

t0-t3		SYMBOL	GENENAME	ENTREZID
		NTS	neurotensin	4922
		NELL2	NEL-like 2 (chicken)	4753
		TMPRSS11D	transmembrane protease, serine 11D	9407
		SOSTDC1	sclerostin domain containing 1	25928
		ODZ2	odz, odd Oz/ten-m homolog 2 (Drosophila)	57451
		TSPAN18	tetraspanin 18	90139
		SPP1	secreted phosphoprotein 1	6696
		IGFBP5	insulin-like growth factor binding protein 5	3488
		AMOT	angiomin	154796
		THSD4	thrombospondin, type I, domain containing 4	79875
		KCNK10	potassium channel, subfamily K, member 10	54207
		DAPL1	death associated protein-like 1	92196
		TSPAN7	tetraspanin 7	7102
		TNC	tenascin C	3371
		TSPAN12	tetraspanin 12	23554
		GPC3	glypican 3	2719
		RRAGD	Ras-related GTP binding D	58528
		FSTL1	follicle-stimulating hormone-like 1	11167
		AGR2	anterior gradient homolog 2 (Xenopus laevis)	10551
		ARHGAP28	Rho GTPase activating protein 28	79822
		SLC47A1	solute carrier family 47, member 1	55244
		AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	57016
		FXYD6	FXYD domain containing ion transport regulator 6	53826
		FSTL4	follicle-stimulating hormone-like 4	23105
		NEFL	neurofilament, light polypeptide	4747
		GHR	growth hormone receptor	2690
		SMC1B	structural maintenance of chromosomes 1B	27127
		GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	2628
		PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	5156
		CNTN1	contactin 1	1272
		EMILIN3	elastin microfibril interfacier 3	90187
		OCLN	occludin	4950
		DCLK1	doublecortin-like kinase 1	9201
		SIPA1L2	signal-induced proliferation-associated 1 like 2	57568
		LYPD6B	LY6/PLAUR domain containing 6B	130576
		GSTM3	glutathione S-transferase mu 3 (brain)	2947
		TEX19	testis expressed 19	400629
		NFIB	nuclear factor I/B	4781
		DPYSL2	dihydropyrimidinase-like 2	1808
		CTNND2	catenin (cadherin-associated protein), delta 2 (neural plakophilin)	1501

		CPA6	carboxypeptidase A6	57094
		GJA1	gap junction protein, alpha 1, 43kDa	2697
		ACSL1	acyl-CoA synthetase long-chain family member 1	2180
		LOX	lysyl oxidase	4015
		RBP7	retinol binding protein 7, cellular	116362
		S100A8	S100 calcium binding protein A8	6279
		PCOLCE2	procollagen C-endopeptidase enhancer 2	26577
		TMEM156	transmembrane protein 156	80008
		CRYAB	crystallin, alpha B	1410
		RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	27330
		KCNS3	potassium voltage-gated channel, delayed-rectifier, subfam	3790
		DLX5	distal-less homeobox 5	1749
		AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol deh	1646
		APCDD1	adenomatosis polyposis coli down-regulated 1	147495
		PSD3	pleckstrin and Sec7 domain containing 3	23362
		RNF152	ring finger protein 152	220441
		DMRT3	doublesex and mab-3 related transcription factor 3	58524
		PADI3	peptidyl arginine deiminase, type III	51702
		LRIG1	leucine-rich repeats and immunoglobulin-like domains 1	26018
		CPE	carboxypeptidase E	1363
		ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypepti	131
		WNT5A	wingless-type MMTV integration site family, member 5A	7474
		GSTA4	glutathione S-transferase alpha 4	2941
		GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	55879
		MAGEH1	melanoma antigen family H, 1	28986
		ENO2	enolase 2 (gamma, neuronal)	2026
		SLC16A14	solute carrier family 16, member 14 (monocarboxylic acid	151473
		SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid t	9120
		C3orf58	chromosome 3 open reading frame 58	205428
		HEY1	hairy/enhancer-of-split related with YRPW motif 1	23462
		SLC16A9	solute carrier family 16, member 9 (monocarboxylic acid t	220963
		C14orf128	chromosome 14 open reading frame 128	84837
		PRTFDC1	phosphoribosyl transferase domain containing 1	56952
		LBH	limb bud and heart development homolog (mouse)	81606
		BCL11B	B-cell CLL/lymphoma 11B (zinc finger protein)	64919
		SCML2	sex comb on midleg-like 2 (Drosophila)	10389
		LPIN1	lipin 1	23175
		GPR155	G protein-coupled receptor 155	151556
		SGEF	Src homology 3 domain-containing guanine nucleotide exc	26084
		HLF	hepatic leukemia factor	3131
		KRT14	keratin 14	3861

		FDFT1	farnesyl-diphosphate farnesyltransferase 1	2222
		AKAP6	A kinase (PRKA) anchor protein 6	9472
		MTSS1	metastasis suppressor 1	9788
		AGPAT9	1-acylglycerol-3-phosphate O-acyltransferase 9	84803
		COCH	coagulation factor C homolog, cochlin (Limulus polyphemus)	1690
		3-Sep	septin 3	55964
		KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	3759
		TBL1X	transducin (beta)-like 1X-linked	6907
		SQLE	squalene epoxidase	6713
		BEX5	brain expressed, X-linked 5	340542
		SGPP2	sphingosine-1-phosphate phosphatase 2	130367
		ACO1	aconitase 1, soluble	48
		TRIM2	tripartite motif-containing 2	23321
		TC2N	tandem C2 domains, nuclear	123036
		HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	3157
		MCTP1	multiple C2 domains, transmembrane 1	79772
		3-Mar	membrane-associated ring finger (C3HC4) 3	115123
		CD302	CD302 molecule	9936
		SV2A	synaptic vesicle glycoprotein 2A	9900
		KRT6B	keratin 6B	3854
		KRT16	keratin 16	3868
		CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	10164
		LGMN	legumain	5641
		IGSF9	immunoglobulin superfamily, member 9	57549
		GK	glycerol kinase	2710
		ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	36
		LGR5	leucine-rich repeat-containing G protein-coupled receptor 5	8549
		ZNF772	zinc finger protein 772	400720
		CPVL	carboxypeptidase, vitellogenic-like	54504
		KIAA1324L	KIAA1324-like	222223
		EMP1	epithelial membrane protein 1	2012
		CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	57834
		EFNB2	ephrin-B2	1948
		MRAP2	melanocortin 2 receptor accessory protein 2	112609
		FAM102B	family with sequence similarity 102, member B	284611
		SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, protein C1)	5176
		KRT16	keratin 16	3868
		PCSK9	proprotein convertase subtilisin/kexin type 9	255738
		PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	5096
		PDIA6	protein disulfide isomerase family A, member 6	10130
		COX15	COX15 homolog, cytochrome c oxidase assembly protein (COX15)	1355

		GK	glycerol kinase	2710
		STEAP1	six transmembrane epithelial antigen of the prostate 1	26872
		FZD3	frizzled homolog 3 (Drosophila)	7976
		EFNA3	ephrin-A3	1944
		SCCPDH	saccharopine dehydrogenase (putative)	51097
		SMO	smoothened homolog (Drosophila)	6608
		CENPV	centromere protein V	201161
		FUCA1	fucosidase, alpha-L- 1, tissue	2517
		TMEM98	transmembrane protein 98	26022
		STOX1	storkhead box 1	219736
		ZNF22	zinc finger protein 22 (KOX 15)	7570
		LHX2	LIM homeobox 2	9355
		CCDC3	coiled-coil domain containing 3	83643
		TUBA1A	tubulin, alpha 1a	7846
		PDE5A	phosphodiesterase 5A, cGMP-specific	8654
		TM7SF2	transmembrane 7 superfamily member 2	7108
		PTCHD1	patched domain containing 1	139411
		AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase)	1645
		ZNF323	zinc finger protein 323	64288
		PC	pyruvate carboxylase	5091
		IMPA2	inositol(myo)-1(or 4)-monophosphatase 2	3613
		KGFLP1	keratinocyte growth factor-like protein 1	387628
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		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		ZNF32	zinc finger protein 32	7580
		WIPI1	WD repeat domain, phosphoinositide interacting 1	55062
		TOX2	TOX high mobility group box family member 2	84969
		ZNF711	zinc finger protein 711	7552
		PPM1L	protein phosphatase 1 (formerly 2C)-like	151742
		PIPOX	pipecolic acid oxidase	51268
		NAP1L2	nucleosome assembly protein 1-like 2	4674
		LPHN1	latrophilin 1	22859
		ARL4C	ADP-ribosylation factor-like 4C	10123
		CXCR4	chemokine (C-X-C motif) receptor 4	7852
		PLCB4	phospholipase C, beta 4	5332
		MVD	mevalonate (diphospho) decarboxylase	4597
		EML1	echinoderm microtubule associated protein like 1	2009
		ARG2	arginase, type II	384
		CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo)	1951

		PPP4R4	protein phosphatase 4, regulatory subunit 4	57718
		KCNK2	potassium channel, subfamily K, member 2	3776
		CDKN3	cyclin-dependent kinase inhibitor 3	1033
		TGFB2	transforming growth factor, beta 2	7042
		BLMH	bleomycin hydrolase	642
		ZFPM2	zinc finger protein, multitype 2	23414
		PYCR1	pyrroline-5-carboxylate reductase 1	5831
		C1orf161	chromosome 1 open reading frame 161	126868
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
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		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		ZFX	zinc finger protein, X-linked	7543
		FAM83D	family with sequence similarity 83, member D	81610
		BMP7	bone morphogenetic protein 7	655
		PFN2	profilin 2	5217
		SIDT2	SID1 transmembrane family, member 2	51092
		TMEM56	transmembrane protein 56	148534
		AASS	aminoadipate-semialdehyde synthase	10157
		STEAP2	six transmembrane epithelial antigen of the prostate 2	261729
		C21orf91	chromosome 21 open reading frame 91	54149
		GDAP1	ganglioside-induced differentiation-associated protein 1	54332
		DDAH1	dimethylarginine dimethylaminohydrolase 1	23576
		C3orf57	chromosome 3 open reading frame 57	165679
		GLRX5	glutaredoxin 5	51218
		LONRF1	LON peptidase N-terminal domain and ring finger 1	91694
		KRT6A	keratin 6A	3853
		FGFR1	fibroblast growth factor receptor 1	2260
		LTBP1	latent transforming growth factor beta binding protein 1	4052
		GRK5	G protein-coupled receptor kinase 5	2869
		IL33	interleukin 33	90865
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		BARX2	BARX homeobox 2	8538
		HIST1H4B	histone cluster 1, H4b	8366

		ADD2	adducin 2 (beta)	119
		DDHD1	DDHD domain containing 1	80821
		LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	4047
		C21orf119	chromosome 21 open reading frame 119	84996
		SDK2	sidekick homolog 2 (chicken)	54549
		RARB	retinoic acid receptor, beta	5915
		PSD3	pleckstrin and Sec7 domain containing 3	23362
		C7orf68	chromosome 7 open reading frame 68	29923
		ATP2C2	ATPase, Ca ⁺⁺ transporting, type 2C, member 2	9914
		LMO4	LIM domain only 4	8543
		TUB	tubby homolog (mouse)	7275
		BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gam	8424
		HOXD11	homeobox D11	3237
		LOC349196	hypothetical LOC349196	349196
		CYB5R2	cytochrome b5 reductase 2	51700
		C14orf126	chromosome 14 open reading frame 126	112487
		DCXR	dicarbonyl/L-xylulose reductase	51181
		DOCK11	dedicator of cytokinesis 11	139818
		L3MBTL4	l(3)mbt-like 4 (Drosophila)	91133
		LOC349196	hypothetical LOC349196	349196
		SPARCL1	SPARC-like 1 (hevin)	8404
		FAM182A	family with sequence similarity 182, member A	284800
		MAGED4	melanoma antigen family D, 4	728239
		MAGED4	melanoma antigen family D, 4	728239
		CDON	Cdon homolog (mouse)	50937
		MCCC1	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	56922
		PCYT2	phosphate cytidyltransferase 2, ethanolamine	5833
		LRP3	low density lipoprotein receptor-related protein 3	4037
		CUTC	cutC copper transporter homolog (E. coli)	51076
		SYNGR1	synaptogyrin 1	9145
		MAF	v-maf musculoaponeurotic fibrosarcoma oncogene homol	4094
		EPHX2	epoxide hydrolase 2, cytoplasmic	2053
		SLC25A33	solute carrier family 25, member 33	84275
		PDK1	pyruvate dehydrogenase kinase, isozyme 1	5163
		MCF2L	MCF.2 cell line derived transforming sequence-like	23263
		MAP1B	microtubule-associated protein 1B	4131
		GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acety	2589
		KGFLP1	keratinocyte growth factor-like protein 1	387628
		EPHB6	EPH receptor B6	2051
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196

		C7orf13	chromosome 7 open reading frame 13	129790
		FAM182A	family with sequence similarity 182, member A	284800
		FRMD6	FERM domain containing 6	122786
		CHRM3	cholinergic receptor, muscarinic 3	1131
		TP53AIP1	tumor protein p53 regulated apoptosis inducing protein 1	63970
		IGFBP2	insulin-like growth factor binding protein 2, 36kDa	3485
		MRPS28	mitochondrial ribosomal protein S28	28957
		TMEM97	transmembrane protein 97	27346
		RNU5E	RNA, U5E small nuclear	26829
		SLC6A6	solute carrier family 6 (neurotransmitter transporter, tauri	6533
		TCF4	transcription factor 4	6925
		CD99	CD99 molecule	4267
		CD99	CD99 molecule	4267
		B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside b	8706
		SLC29A4	solute carrier family 29 (nucleoside transporters), member	222962
		BSPRY	B-box and SPRY domain containing	54836
		BDH1	3-hydroxybutyrate dehydrogenase, type 1	622
		ATP6V1E2	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E2	90423
		TLE2	transducin-like enhancer of split 2 (E(sp1) homolog, Droso	7089
		EFS	embryonal Fyn-associated substrate	10278
		CHODL	chondrolectin	140578
		TGFB3	transforming growth factor, beta 3	7043
		DDIT4	DNA-damage-inducible transcript 4	54541
		PCYT2	phosphate cytidyltransferase 2, ethanolamine	5833
		KLHL13	kelch-like 13 (Drosophila)	90293
		METTL3	methyltransferase like 3	56339
		LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial)	10314
		FAM171A2	family with sequence similarity 171, member A2	284069
		ADA	adenosine deaminase	100
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		MFSD2	major facilitator superfamily domain containing 2	84879
		NUBPL	nucleotide binding protein-like	80224
		ULBP1	UL16 binding protein 1	80329
		ACSS1	acyl-CoA synthetase short-chain family member 1	84532
		FAM173B	family with sequence similarity 173, member B	134145
		DNER	delta/notch-like EGF repeat containing	92737
		DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	60625
		FDPSL2A	MGC44478	619190
		PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	8495
		FRY	furry homolog (Drosophila)	10129

		HSPC159	galectin-related protein	29094
		ACLY	ATP citrate lyase	47
		C11orf41	chromosome 11 open reading frame 41	25758
		ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	10257
		PLEKHG4B	pleckstrin homology domain containing, family G (with Rh	153478
		SLC1A4	solute carrier family 1 (glutamate/neutral amino acid trans	6509
		IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	3417
		KIAA1549	KIAA1549	57670
		KLK10	kallikrein-related peptidase 10	5655
		KGFLP2	keratinocyte growth factor-like protein 2	654466
		KRT8	keratin 8	3856
		OSGEP	O-sialoglycoprotein endopeptidase	55644
		ADAM22	ADAM metallopeptidase domain 22	53616
		NANP	N-acetylneuraminic acid phosphatase	140838
		ZNF254	zinc finger protein 254	9534
		ASMTL	acetylserotonin O-methyltransferase-like	8623
		ZNF287	zinc finger protein 287	57336
		TTC28	tetratricopeptide repeat domain 28	23331
		VDAC3	voltage-dependent anion channel 3	7419
		FLRT3	fibronectin leucine rich transmembrane protein 3	23767
		SLAIN1	SLAIN motif family, member 1	122060
		KIAA1467	KIAA1467	57613
		ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane 1	490
		PYGO1	pygopus homolog 1 (Drosophila)	26108
		C17orf61	chromosome 17 open reading frame 61	254863
		BRSK2	BR serine/threonine kinase 2	9024
		DHCR7	7-dehydrocholesterol reductase	1717
		LOC349196	hypothetical LOC349196	349196
		LOC349196	hypothetical LOC349196	349196
		EPCAM	epithelial cell adhesion molecule	4072
		PNPLA4	patatin-like phospholipase domain containing 4	8228
		PID1	phosphotyrosine interaction domain containing 1	55022
		MGC21881	hypothetical locus MGC21881	389741
		MGC21881	hypothetical locus MGC21881	389741
		APPL1	adaptor protein, phosphotyrosine interaction, PH domain	26060
		FZD1	frizzled homolog 1 (Drosophila)	8321
		CHIC2	cysteine-rich hydrophobic domain 2	26511
		C14orf33	chromosome 14 open reading frame 33	100129075
		LMCD1	LIM and cysteine-rich domains 1	29995
		ZNF704	zinc finger protein 704	619279
		ASMTL	acetylserotonin O-methyltransferase-like	8623

		SOBP	sine oculis binding protein homolog (Drosophila)	55084
		JAG1	jagged 1 (Alagille syndrome)	182
		EPCAM	epithelial cell adhesion molecule	4072
		C20orf3	chromosome 20 open reading frame 3	57136
		PDRG1	p53 and DNA-damage regulated 1	81572
		SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate tran	6576
		MORC4	MORC family CW-type zinc finger 4	79710
		USP13	ubiquitin specific peptidase 13 (isopeptidase T-3)	8975
		TMEM123	transmembrane protein 123	114908
		NDRG2	NDRG family member 2	57447
		PHC1	polyhomeotic homolog 1 (Drosophila)	1911
		HEY2	hairy/enhancer-of-split related with YRPW motif 2	23493
		ARSG	arylsulfatase G	22901
		FDPSL2A	MGC44478	619190
		MCOLN2	mucolipin 2	255231
		STXBP1	syntaxin binding protein 1	6812
		LOH3CR2A	loss of heterozygosity, 3, chromosomal region 2, gene A	29931
		PLS1	plastin 1 (I isoform)	5357
		NAT5	N-acetyltransferase 5 (GCN5-related, putative)	51126
		PTMS	parathymosin	5763
		PHC1	polyhomeotic homolog 1 (Drosophila)	1911
		KIAA0146	KIAA0146	23514
		C22orf32	chromosome 22 open reading frame 32	91689
		FLJ39632	hypothetical LOC642477	642477
		FHL1	four and a half LIM domains 1	2273
		ACPL2	acid phosphatase-like 2	92370
		PALLD	palladin, cytoskeletal associated protein	23022
		C14orf2	chromosome 14 open reading frame 2	9556
		CHPT1	choline phosphotransferase 1	56994
		PDLIM2	PDZ and LIM domain 2 (mystique)	64236
		NHS	Nance-Horan syndrome (congenital cataracts and dental a	4810
		NPW	neuropeptide W	283869
		DIP2C	DIP2 disco-interacting protein 2 homolog C (Drosophila)	22982
		C2orf43	chromosome 2 open reading frame 43	60526
		ATRNL1	attractin	8455
		DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	317749
		MTMR4	myotubularin related protein 4	9110
		SLC25A33	solute carrier family 25, member 33	84275
		MAGED1	melanoma antigen family D, 1	9500
		TMEM63C	transmembrane protein 63C	57156
		TST	thiosulfate sulfurtransferase (rhodanese)	7263

		RHBDL3	rhomboid, veinlet-like 3 (Drosophila)	162494
		LIMCH1	LIM and calponin homology domains 1	22998
		TMEM66	transmembrane protein 66	51669
		FGFR4	fibroblast growth factor receptor 4	2264
		BACH2	BTB and CNC homology 1, basic leucine zipper transcriptio	60468
		TSPAN9	tetraspanin 9	10867
		LOC100129484	hypothetical LOC100129484	100129484
		C14orf1	chromosome 14 open reading frame 1	11161
		ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	26154
		ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putat	955
		ATP9A	ATPase, class II, type 9A	10079
		NBPF3	neuroblastoma breakpoint family, member 3	84224
		CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase	56548
		TOX3	TOX high mobility group box family member 3	27324
		SLC6A8	solute carrier family 6 (neurotransmitter transporter, creat	6535
		DHCR24	24-dehydrocholesterol reductase	1718
		FAM162A	family with sequence similarity 162, member A	26355
		PROSC	proline synthetase co-transcribed homolog (bacterial)	11212
		GLT25D2	glycosyltransferase 25 domain containing 2	23127
		MYOM2	myomesin (M-protein) 2, 165kDa	9172
		DMRT1	doublesex and mab-3 related transcription factor 1	1761
		COX6C	cytochrome c oxidase subunit VIc	1345
		ZNRF1	zinc and ring finger 1	84937
		PELI2	pellino homolog 2 (Drosophila)	57161
		SMOX	spermine oxidase	54498
		KRT13	keratin 13	3860
		MAPK12	mitogen-activated protein kinase 12	6300
		C1orf115	chromosome 1 open reading frame 115	79762
		UNC84B	unc-84 homolog B (C. elegans)	25777
		SLIT3	slit homolog 3 (Drosophila)	6586
		HAUS4	HAUS augmin-like complex, subunit 4	54930
		CLGN	calmegin	1047
		SMTN	smoothelin	6525
		TRIM24	tripartite motif-containing 24	8805
		LOC84856	hypothetical LOC84856	84856
		SLC6A8	solute carrier family 6 (neurotransmitter transporter, creat	6535
		MFHAS1	malignant fibrous histiocytoma amplified sequence 1	9258
		C21orf56	chromosome 21 open reading frame 56	84221
		C14orf162	chromosome 14 open reading frame 162	56936
		CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	1595
		POMT1	protein-O-mannosyltransferase 1	10585

		EDN2	endothelin 2	1907
		FDPS	farnesyl diphosphate synthase (farnesyl pyrophosphate sy	2224
		PECI	peroxisomal D3,D2-enoyl-CoA isomerase	10455
		HRSP12	heat-responsive protein 12	10247
		HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	7923
		HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	7923
		HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	7923
		FBXO15	F-box protein 15	201456
		RNF157	ring finger protein 157	114804
		CCL26	chemokine (C-C motif) ligand 26	10344
		SNORD116-14	small nucleolar RNA, C/D box 116-14	100033426
		MAGI1	membrane associated guanylate kinase, WW and PDZ dom	9223
		SRrp35	serine-arginine repressor protein (35 kDa)	135295
		ALOX15	arachidonate 15-lipoxygenase	246
		ALDH5A1	aldehyde dehydrogenase 5 family, member A1	7915
		TSPAN6	tetraspanin 6	7105
		C22orf40	chromosome 22 open reading frame 40	150383
		MGC21881	hypothetical locus MGC21881	389741
		RNF24	ring finger protein 24	11237
		KTN1	kinectin 1 (kinesin receptor)	3895
		HMGB3	high-mobility group box 3	3149
		HOXD10	homeobox D10	3236
		KIAA0323	KIAA0323	23351
		SIP1	survival of motor neuron protein interacting protein 1	8487
		SLC30A10	solute carrier family 30, member 10	55532
		ATG10	ATG10 autophagy related 10 homolog (<i>S. cerevisiae</i>)	83734
		H2AFY2	H2A histone family, member Y2	55506
		NCRNA00173	non-protein coding RNA 173	100287569
		MDP1	magnesium-dependent phosphatase 1	145553
		CYFIP2	cytoplasmic FMR1 interacting protein 2	26999
		TTC9	tetratricopeptide repeat domain 9	23508
		NME4	non-metastatic cells 4, protein expressed in	4833
		SLC29A2	solute carrier family 29 (nucleoside transporters), member	3177
		NEK9	NIMA (never in mitosis gene a)- related kinase 9	91754
		PHKA1	phosphorylase kinase, alpha 1 (muscle)	5255
		MRPL12	mitochondrial ribosomal protein L12	6182
		SC4MOL	sterol-C4-methyl oxidase-like	6307
		DPF1	D4, zinc and double PHD fingers family 1	8193
		NT5C3L	5'-nucleotidase, cytosolic III-like	115024
		CPOX	coproporphyrinogen oxidase	1371
		NINL	ninein-like	22981

		BBS2	Bardet-Biedl syndrome 2	583
		FOXF2	forkhead box F2	2295
		MEST	mesoderm specific transcript homolog (mouse)	4232
		SHOX2	short stature homeobox 2	6474
		LSP1	lymphocyte-specific protein 1	4046
		ANGEL1	angel homolog 1 (Drosophila)	23357
		DACH1	dachshund homolog 1 (Drosophila)	1602
		LYPD6	LY6/PLAUR domain containing 6	130574
		ABHD4	abhydrolase domain containing 4	63874
		NDUFA4L2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4	56901
		AHCY	adenosylhomocysteinase	191
		HIPK2	homeodomain interacting protein kinase 2	28996
		ASRGL1	asparaginase like 1	80150
		FAM46B	family with sequence similarity 46, member B	115572
		FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1	10160
		ZNF395	zinc finger protein 395	55893
		GRB14	growth factor receptor-bound protein 14	2888
		HSP90AA4P	heat shock protein 90kDa alpha (cytosolic), class A member	3323
		AHA1	AHA1, activator of heat shock 90kDa protein ATPase homolo	10598
		HOXD8	homeobox D8	3234
		IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	3615
		ZNF771	zinc finger protein 771	51333
		EBF4	early B-cell factor 4	57593
		GSTZ1	glutathione transferase zeta 1	2954
		ZDHHC2	zinc finger, DHHC-type containing 2	51201
		SRD5A3	steroid 5 alpha-reductase 3	79644
		ACSS2	acyl-CoA synthetase short-chain family member 2	55902
		HADH	hydroxyacyl-Coenzyme A dehydrogenase	3033
		RPS29	ribosomal protein S29	6235
		GTF2A1	general transcription factor IIA, 1, 19/37kDa	2957
		TRAK1	trafficking protein, kinesin binding 1	22906
		FZD8	frizzled homolog 8 (Drosophila)	8325
		CEP68	centrosomal protein 68kDa	23177
		KLRG2	killer cell lectin-like receptor subfamily G, member 2	346689
		MRPS26	mitochondrial ribosomal protein S26	64949
		CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	1595
		USP17L6P	ubiquitin specific peptidase 17-like 6 (pseudogene)	391622
		MGC21881	hypothetical locus MGC21881	389741
		PRKDC	protein kinase, DNA-activated, catalytic polypeptide	5591
		CASK	calcium/calmodulin-dependent serine protein kinase (MA	8573
		SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxyla	1468

		FDXR	ferredoxin reductase	2232
		LY6K	lymphocyte antigen 6 complex, locus K	54742
		ARHGAP19	Rho GTPase activating protein 19	84986
		ACCN2	amiloride-sensitive cation channel 2, neuronal	41
		FITM2	fat storage-inducing transmembrane protein 2	128486
		TDP1	tyrosyl-DNA phosphodiesterase 1	55775
		RCN3	reticulocalbin 3, EF-hand calcium binding domain	57333
		SNX5	sorting nexin 5	27131
		FGGY	FGGY carbohydrate kinase domain containing	55277
		PCSK5	proprotein convertase subtilisin/kexin type 5	5125
		CECR5	cat eye syndrome chromosome region, candidate 5	27440
		FABP5	fatty acid binding protein 5 (psoriasis-associated)	2171
		BPHL	biphenyl hydrolase-like (serine hydrolase)	670
		FAM64A	family with sequence similarity 64, member A	54478
		NSDHL	NAD(P) dependent steroid dehydrogenase-like	50814
		NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	256281
		CMTM8	CKLF-like MARVEL transmembrane domain containing 8	152189
		C17orf96	chromosome 17 open reading frame 96	100170841
		FABP5	fatty acid binding protein 5 (psoriasis-associated)	2171
		KIAA2022	KIAA2022	340533
		EPM2AIP1	EPM2A (laforin) interacting protein 1	9852
		FOXE1	forkhead box E1 (thyroid transcription factor 2)	2304
		TBC1D4	TBC1 domain family, member 4	9882
		HEBP1	heme binding protein 1	50865
		C2CD2	C2 calcium-dependent domain containing 2	25966
		HECW2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	57520
		SEC14L1	SEC14-like 1 (<i>S. cerevisiae</i>)	6397
		CADM4	cell adhesion molecule 4	199731
		NUP210	nucleoporin 210kDa	23225
		RNF150	ring finger protein 150	57484
		SLC16A5	solute carrier family 16, member 5 (monocarboxylic acid transporter)	9121
		OSGIN1	oxidative stress induced growth inhibitor 1	29948
		SIRPA	signal-regulatory protein alpha	140885
		H2AFZ	H2A histone family, member Z	3015
		FAM136B	family with sequence similarity 136, member B	387071
		SPR	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)	6697
		C8orf58	chromosome 8 open reading frame 58	541565
		TBX3	T-box 3	6926
		HIST2H2AB	histone cluster 2, H2ab	317772
		HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	9953
		BCAT2	branched chain aminotransferase 2, mitochondrial	587

		SNORA71A	small nucleolar RNA, H/ACA box 71A	26777
		FAM27A	family with sequence similarity 27, member A	548321
		ECE1	endothelin converting enzyme 1	1889
		TBL1XR1	transducin (beta)-like 1 X-linked receptor 1	79718
		NUDT11	nudix (nucleoside diphosphate linked moiety X)-type moti	55190
		INHBB	inhibin, beta B	3625
		FOXRED2	FAD-dependent oxidoreductase domain containing 2	80020
		GALNTL4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acety	374378
		TH1L	TH1-like (Drosophila)	51497
		TTC5	tetratricopeptide repeat domain 5	91875
		FAM127B	family with sequence similarity 127, member B	26071
		ZNF334	zinc finger protein 334	55713
		RPS3A	ribosomal protein S3A	6189
		INTS2	integrator complex subunit 2	57508
		NSUN7	NOL1/NOP2/Sun domain family, member 7	79730
		TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d,	8793
		LOC152217	hypothetical LOC152217	152217
		TBCD	tubulin folding cofactor D	6904
		TWIST2	twist homolog 2 (Drosophila)	117581
		IL17RD	interleukin 17 receptor D	54756
		FAM27A	family with sequence similarity 27, member A	548321
		TCTEX1D2	Tctex1 domain containing 2	255758
		THOC4	THO complex 4	10189
		NUDT8	nudix (nucleoside diphosphate linked moiety X)-type moti	254552
		ProSAPiP1	ProSAPiP1 protein	9762
		SNRPB	small nuclear ribonucleoprotein polypeptides B and B1	6628
		ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	1244
		RAB40B	RAB40B, member RAS oncogene family	10966
		PIGU	phosphatidylinositol glycan anchor biosynthesis, class U	128869
		C11orf75	chromosome 11 open reading frame 75	56935
		SLC39A11	solute carrier family 39 (metal ion transporter), member 1	201266
		GLRB	glycine receptor, beta	2743
		MLC1	megalencephalic leukoencephalopathy with subcortical cy	23209
		PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated pro	5635
		CMTM4	CKLF-like MARVEL transmembrane domain containing 4	146223
		CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10	400916
		TTC7B	tetratricopeptide repeat domain 7B	145567
		ATP5G1	ATP synthase, H+ transporting, mitochondrial F0 complex,	516
		KCNGB3	potassium voltage-gated channel, subfamily G, member 3	170850
		DHRS4	dehydrogenase/reductase (SDR family) member 4	10901
		RIMBP2	RIMS binding protein 2	23504

		ZNF518B	zinc finger protein 518B	85460
		ABHD10	abhydrolase domain containing 10	55347
		MTA1	metastasis associated 1	9112
		CNIH	cornichon homolog (Drosophila)	10175
		SH3KBP1	SH3-domain kinase binding protein 1	30011
		LEPREL2	leprecan-like 2	10536
		GPSM2	G-protein signaling modulator 2 (AGS3-like, C. elegans)	29899
		FGF2	fibroblast growth factor 2 (basic)	2247
		PLXND1	plexin D1	23129
		SNORD57	small nucleolar RNA, C/D box 57	26792
		HSP90AA2	heat shock protein 90kDa alpha (cytosolic), class A member	3324
		NUDT7	nudix (nucleoside diphosphate linked moiety X)-type motif	283927
		NR2E1	nuclear receptor subfamily 2, group E, member 1	7101
		FBXO41	F-box protein 41	150726
		TSPAN33	tetraspanin 33	340348
		TKT	transketolase	7086
		KRTCAP3	keratinocyte associated protein 3	200634
		FAM60A	family with sequence similarity 60, member A	58516
		PRRX2	paired related homeobox 2	51450
		MNAT1	menage a trois homolog 1, cyclin H assembly factor (Xenopus)	4331
		PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	5058
		SEMA4F	sema domain, immunoglobulin domain (Ig), transmembrane	10505
		TBC1D5	TBC1 domain family, member 5	9779
		NXPH4	neurexophilin 4	11247
		FREQ	frequenin homolog (Drosophila)	23413
		DLST	dihydrolipoamide S-succinyltransferase (E2 component of	1743
		CYTSA	cytospin A	23384
		C9orf46	chromosome 9 open reading frame 46	55848
		CLCN2	chloride channel 2	1181
		USP5	ubiquitin specific peptidase 5 (isopeptidase T)	8078
		NEK6	NIMA (never in mitosis gene a)-related kinase 6	10783
		CPNE3	copine III	8895
		LOC375196	hypothetical protein LOC375196	375196
		MLH3	mutL homolog 3 (E. coli)	27030
		PRICKLE2	prickle homolog 2 (Drosophila)	166336
		SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	6653
		CBR1	carbonyl reductase 1	873
		LOH12CR1	loss of heterozygosity, 12, chromosomal region 1	118426
		PGD	phosphogluconate dehydrogenase	5226
		XYLB	xylulokinase homolog (H. influenzae)	9942
		PLEKHO1	pleckstrin homology domain containing, family O member	51177

		PACSIN2	protein kinase C and casein kinase substrate in neurons 2	11252
		KRT6C	keratin 6C	286887
		KIAA1772	KIAA1772	80000
		MKKS	McKusick-Kaufman syndrome	8195
		IRX5	iroquois homeobox 5	10265
		ZNF354A	zinc finger protein 354A	6940
		ZNF354C	zinc finger protein 354C	30832
		CPNE1	copine I	8904
		ZNF331	zinc finger protein 331	55422
		B4GALNT4	beta-1,4-N-acetyl-galactosaminyl transferase 4	338707
		RPS2P8	ribosomal protein S2 pseudogene 8	440589
		LRRC58	leucine rich repeat containing 58	116064
		C14orf179	chromosome 14 open reading frame 179	112752
		KGFLP2	keratinocyte growth factor-like protein 2	654466
		SOD1	superoxide dismutase 1, soluble	6647
		C1orf186	chromosome 1 open reading frame 186	440712
		KGFLP2	keratinocyte growth factor-like protein 2	654466
		BMP8A	bone morphogenetic protein 8a	353500
		C1D	C1D nuclear receptor co-repressor	10438
		ACAD11	acyl-Coenzyme A dehydrogenase family, member 11	84129
		DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5	25822
		ZKSCAN2	zinc finger with KRAB and SCAN domains 2	342357
		CHCHD6	coiled-coil-helix-coiled-coil-helix domain containing 6	84303
		TTC3	tetratricopeptide repeat domain 3	7267
		ZNF174	zinc finger protein 174	7727
		EIF2B5	eukaryotic translation initiation factor 2B, subunit 5 epsilon	8893
		ATP5I	ATP synthase, H ⁺ transporting, mitochondrial F0 complex,	521
		ANAPC11	anaphase promoting complex subunit 11	51529
		PXK	PX domain containing serine/threonine kinase	54899
		MKX	mohawk homeobox	283078
		MORC4	MORC family CW-type zinc finger 4	79710
		ACO3	acyl-Coenzyme A oxidase 3, pristanoyl	8310
		FGFBP3	fibroblast growth factor binding protein 3	143282
		AMZ2	archaelysin family metallopeptidase 2	51321
		LHPP	phospholysine phosphohistidine inorganic pyrophosphate	64077
		ZNF512B	zinc finger protein 512B	57473
		DHH	desert hedgehog homolog (Drosophila)	50846
		MALT1	mucosa associated lymphoid tissue lymphoma translocati	10892
		UNC119B	unc-119 homolog B (C. elegans)	84747
		KRTAP20-1	keratin associated protein 20-1	337975
		SATB2	SATB homeobox 2	23314

		NEDD4L	neural precursor cell expressed, developmentally down-re	23327
		EEF1A2	eukaryotic translation elongation factor 1 alpha 2	1917
		ZC3H14	zinc finger CCCH-type containing 14	79882
		ANAPC11	anaphase promoting complex subunit 11	51529
		ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide	538
		MTP18	mitochondrial protein 18 kDa	51537
		C1D	C1D nuclear receptor co-repressor	10438
		C20orf94	chromosome 20 open reading frame 94	128710
		CCDC137	coiled-coil domain containing 137	339230
		YLPM1	YLP motif containing 1	56252
		AOAH	acyloxyacyl hydrolase (neutrophil)	313
		TCF15	transcription factor 15 (basic helix-loop-helix)	6939
		MED12L	mediator complex subunit 12-like	116931
		MSI1	musashi homolog 1 (Drosophila)	4440
		PHF10	PHD finger protein 10	55274
		CDKN2AIPNL	CDKN2A interacting protein N-terminal like	91368
		TMLHE	trimethyllysine hydroxylase, epsilon	55217
		CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbam	790
		LSM14B	LSM14B, SCD6 homolog B (S. cerevisiae)	149986
		GOLSYN	Golgi-localized protein	55638
		G6PD	glucose-6-phosphate dehydrogenase	2539
		PIGH	phosphatidylinositol glycan anchor biosynthesis, class H	5283
		PAAF1	proteasomal ATPase-associated factor 1	80227
		RNF186	ring finger protein 186	54546
		TOP2B	topoisomerase (DNA) II beta 180kDa	7155
		RNF170	ring finger protein 170	81790
		FAM125B	family with sequence similarity 125, member B	89853
		C1D	C1D nuclear receptor co-repressor	10438
		DHFRL1	dihydrofolate reductase-like 1	200895
		TPI1	triosephosphate isomerase 1	7167
		NMNAT1	nicotinamide nucleotide adenyltransferase 1	64802
		PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	81706
		C7orf59	chromosome 7 open reading frame 59	389541
		LOC100125556	family with sequence similarity 86, member A pseudogene	100125556
		TRIM54	tripartite motif-containing 54	57159
		MTERFD1	MTERF domain containing 1	51001
		MYH10	myosin, heavy chain 10, non-muscle	4628
		WDR59	WD repeat domain 59	79726
		TM4SF1	transmembrane 4 L six family member 1	4071
		CBY1	chibby homolog 1 (Drosophila)	25776
		C10orf58	chromosome 10 open reading frame 58	84293

		HECTD1	HECT domain containing 1	25831
		CBX6	chromobox homolog 6	23466
		COX16	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)	51241
		FECH	ferrochelatase (protoporphyrin)	2235
		ABHD12	abhydrolase domain containing 12	26090
		RFT1	RFT1 homolog (S. cerevisiae)	91869
		HDHD1A	haloacid dehalogenase-like hydrolase domain containing 1	8226
		CD300C	CD300c molecule	10871
		RIPK4	receptor-interacting serine-threonine kinase 4	54101
		NEDD8	neural precursor cell expressed, developmentally down-regulated	4738
		P2RY1	purinergic receptor P2Y, G-protein coupled, 1	5028
		AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	231
		CSRP2BP	CSRP2 binding protein	57325
		TCFL5	transcription factor-like 5 (basic helix-loop-helix)	10732
		GALC	galactosylceramidase	2581
		FASTKD5	FAST kinase domains 5	60493
		MMAB	methylmalonic aciduria (cobalamin deficiency) cblB type	326625
		MCM4	minichromosome maintenance complex component 4	4173
		STRA13	stimulated by retinoic acid 13 homolog (mouse)	201254
		C17orf88	chromosome 17 open reading frame 88	23591
		THNSL1	threonine synthase-like 1 (S. cerevisiae)	79896
		ZNRF3	zinc and ring finger 3	84133
		TTC8	tetratricopeptide repeat domain 8	123016
		SIAH3	seven in absentia homolog 3 (Drosophila)	283514
		MANEAL	mannosidase, endo-alpha-like	149175
		DEXI	Dexi homolog (mouse)	28955
		DEXI	Dexi homolog (mouse)	28955
		LIG3	ligase III, DNA, ATP-dependent	3980
		ATF4	activating transcription factor 4 (tax-responsive enhancer)	468
		KLHDC2	kelch domain containing 2	23588
		LPIN3	lipin 3	64900
		PPP2R3B	protein phosphatase 2 (formerly 2A), regulatory subunit B	28227
		MSX1	msh homeobox 1	4487
		IRX6	iroquois homeobox 6	79190
		CBX1	chromobox homolog 1 (HP1 beta homolog Drosophila)	10951
		NDUFB8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, mitochondrial	4714
		RPL7	ribosomal protein L7	6129
		PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha	5576
		SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	9962
		MOSC2	MOCO sulphurase C-terminal domain containing 2	54996
		MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	4436

		UBE4B	ubiquitination factor E4B (UFD2 homolog, yeast)	10277
		SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	9901
		ATP6V0E2	ATPase, H+ transporting V0 subunit e2	155066
		BMP3	bone morphogenetic protein 3	651
		SNX4	sorting nexin 4	8723
		RICH2	Rho-type GTPase-activating protein RICH2	9912
		HSPA12A	heat shock 70kDa protein 12A	259217
		SEPN1	selenoprotein N, 1	57190
		ERLIN2	ER lipid raft associated 2	11160
		LAGE3	L antigen family, member 3	8270
		NXP2	neurexophilin 2	11249
		C14orf166	chromosome 14 open reading frame 166	51637
		VKORC1	vitamin K epoxide reductase complex, subunit 1	79001
		GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenz	23464
		MANF	mesencephalic astrocyte-derived neurotrophic factor	7873
		PDLM4	PDZ and LIM domain 4	8572
		RBKS	ribokinase	64080
		PDK3	pyruvate dehydrogenase kinase, isozyme 3	5165
		NUDT16	nudix (nucleoside diphosphate linked moiety X)-type moti	131870
		AMN1	antagonist of mitotic exit network 1 homolog (S. cerevisiae)	196394
		ACAA1	acetyl-Coenzyme A acyltransferase 1	30
		PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide	8541
		NUP93	nucleoporin 93kDa	9688
		APPL2	adaptor protein, phosphotyrosine interaction, PH domain	55198
		SKP2	S-phase kinase-associated protein 2 (p45)	6502
		CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	8534
		MID1	midline 1 (Opitz/BBB syndrome)	4281
		PEX5	peroxisomal biogenesis factor 5	5830
		APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	328
		RPN2	ribophorin II	6185
		WDHD1	WD repeat and HMG-box DNA binding protein 1	11169
		SLC39A6	solute carrier family 39 (zinc transporter), member 6	25800
		MCAT	malonyl CoA:ACP acyltransferase (mitochondrial)	27349
		MPND	MPN domain containing	84954
		BTNL9	butyrophilin-like 9	153579
		HSN2	hereditary sensory neuropathy, type II	378465
		C2orf28	chromosome 2 open reading frame 28	51374
		BRE	brain and reproductive organ-expressed (TNFRSF1A modu	9577
		MAMLD1	mastermind-like domain containing 1	10046
		TMEM64	transmembrane protein 64	169200
		C12orf32	chromosome 12 open reading frame 32	83695

		LMBR1	limb region 1 homolog (mouse)	64327
		RNASET2	ribonuclease T2	8635
		ERCC2	excision repair cross-complementing rodent repair deficien	2068
		GLIPR2	GLI pathogenesis-related 2	152007
		DYNLT3	dynein, light chain, Tctex-type 3	6990
		DLL3	delta-like 3 (Drosophila)	10683
		MAGEF1	melanoma antigen family F, 1	64110
		ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	26286
		NHP2	NHP2 ribonucleoprotein homolog (yeast)	55651
		TMEM106C	transmembrane protein 106C	79022
		C3orf39	chromosome 3 open reading frame 39	84892
		CHDH	choline dehydrogenase	55349
		SEC23A	Sec23 homolog A (S. cerevisiae)	10484
		CDCA4	cell division cycle associated 4	55038
		ERH	enhancer of rudimentary homolog (Drosophila)	2079
		AMN	amnionless homolog (mouse)	81693
		SAMM50	sorting and assembly machinery component 50 homolog (25813
		GPD1L	glycerol-3-phosphate dehydrogenase 1-like	23171
		FLYWCH2	FLYWCH family member 2	114984
		MLF2	myeloid leukemia factor 2	8079
		HSP90AA5P	heat shock protein 90kDa alpha (cytosolic), class A membe	730211
		RPL7	ribosomal protein L7	6129
		RPL7	ribosomal protein L7	6129
		UNCX	UNC homeobox	340260
		C22orf28	chromosome 22 open reading frame 28	51493
		IMPACT	Impact homolog (mouse)	55364
		TCEA1	transcription elongation factor A (SII), 1	6917
		PHKB	phosphorylase kinase, beta	5257
		TMEM55B	transmembrane protein 55B	90809
		ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	80724
		GLRX5	glutaredoxin 5	51218
		GALNTL1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acety	57452
		BRF1	BRF1 homolog, subunit of RNA polymerase III transcrip	2972
		MKS1	Meckel syndrome, type 1	54903
		CDH26	cadherin-like 26	60437
		SLC26A9	solute carrier family 26, member 9	115019
		C17orf75	chromosome 17 open reading frame 75	64149
		PODXL2	podocalyxin-like 2	50512
		TCEA1	transcription elongation factor A (SII), 1	6917
		ADCY1	adenylate cyclase 1 (brain)	107
		PRKX	protein kinase, X-linked	5613

		MIF	macrophage migration inhibitory factor (glycosylation-inhi	4282
		RCAN1	regulator of calcineurin 1	1827
		RPN1	ribophorin I	6184
		CCDC61	coiled-coil domain containing 61	729440
		PPAP2B	phosphatidic acid phosphatase type 2B	8613
		ATXN10	ataxin 10	25814
		FAM10A4	ST13-like tumor suppressor	145165
		FAT1	FAT tumor suppressor homolog 1 (Drosophila)	2195
		CD83	CD83 molecule	9308
		HIST1H4C	histone cluster 1, H4c	8364
		GBX2	gastrulation brain homeobox 2	2637
		CCDC11	coiled-coil domain containing 11	220136
		SAMD12	sterile alpha motif domain containing 12	401474
		COPS4	COP9 constitutive photomorphogenic homolog subunit 4 (51138
		RBX1	ring-box 1	9978
		ISY1	ISY1 splicing factor homolog (S. cerevisiae)	57461
		SIPA1L1	signal-induced proliferation-associated 1 like 1	26037
		ADAMTS7	ADAM metallopeptidase with thrombospondin type 1 mot	11173
		HEYL	hairy/enhancer-of-split related with YRPW motif-like	26508
		NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6	4700
		SPAST	spastin	6683
		SIVA1	SIVA1, apoptosis-inducing factor	10572
		APOO	apolipoprotein O	79135
		VIPR1	vasoactive intestinal peptide receptor 1	7433
		ZNF48	zinc finger protein 48	197407
		CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (ph	10423
		DENND2C	DENN/MADD domain containing 2C	163259
		QPCTL	glutaminyl-peptide cyclotransferase-like	54814
		RPS3A	ribosomal protein S3A	6189
		TRIB3	tribbles homolog 3 (Drosophila)	57761
		LOC440461	SH3 domain containing 20 pseudogene	440461
		XPNPEP3	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	63929
		KRT9	keratin 9	3857
		DDTL	D-dopachrome tautomerase-like	100037417
		OLFM2	olfactomedin 2	93145
		EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A	1962
		GPIHBP1	glycosylphosphatidylinositol anchored high density lipoproc	338328
		TPI1	triosephosphate isomerase 1	7167
		NSMCE1	non-SMC element 1 homolog (S. cerevisiae)	197370
		P4HB	prolyl 4-hydroxylase, beta polypeptide	5034
		C20orf30	chromosome 20 open reading frame 30	29058

		C2orf44	chromosome 2 open reading frame 44	80304
		FAM84A	family with sequence similarity 84, member A	151354
		MORC4	MORC family CW-type zinc finger 4	79710
		NAT8L	N-acetyltransferase 8-like (GCN5-related, putative)	339983
		SOX6	SRY (sex determining region Y)-box 6	55553
		UQCRC1	ubiquinol-cytochrome c reductase core protein I	7384
		KIAA1737	KIAA1737	85457
		CEP70	centrosomal protein 70kDa	80321
		CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	113612
		B9D1	B9 protein domain 1	27077
		EXOSC7	exosome component 7	23016
		CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase	9435
		PRMT5	protein arginine methyltransferase 5	10419
		L2HGDH	L-2-hydroxyglutarate dehydrogenase	79944
		KIAA0748	KIAA0748	9840
		PABPC3	poly(A) binding protein, cytoplasmic 3	5042
		FAM18A	family with sequence similarity 18, member A	780776
		ZNF786	zinc finger protein 786	136051
		KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	3845
		CNPY4	canopy 4 homolog (zebrafish)	245812
		PPP2R3B	protein phosphatase 2 (formerly 2A), regulatory subunit B	28227
		LRRC41	leucine rich repeat containing 41	10489
		RDH11	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	51109
		TMX1	thioredoxin-related transmembrane protein 1	81542
		POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	5427
		NARF	nuclear prelamin A recognition factor	26502
		IGSF10	immunoglobulin superfamily, member 10	285313
		GPX2	glutathione peroxidase 2 (gastrointestinal)	2877
		LSP1	lymphocyte-specific protein 1	4046
		SLC1A7	solute carrier family 1 (glutamate transporter), member 7	6512
		FLNB	filamin B, beta	2317
		FAM13C	family with sequence similarity 13, member C	220965
		INHBE	inhibin, beta E	83729
		C21orf33	chromosome 21 open reading frame 33	8209
		TPRXL	tetra-peptide repeat homeobox-like	348825
		ASPH	aspartate beta-hydroxylase	444
		HSD17B12	hydroxysteroid (17-beta) dehydrogenase 12	51144
		ASCC1	activating signal cointegrator 1 complex subunit 1	51008
		CABLES2	Cdk5 and Abl enzyme substrate 2	81928
		GALR1	galanin receptor 1	2587
		DAD1	defender against cell death 1	1603

		HIST1H3I	histone cluster 1, H3i	8354
		C17orf101	chromosome 17 open reading frame 101	79701
		NKX2-4	NK2 homeobox 4	644524
		EAPP	E2F-associated phosphoprotein	55837
		KRTAP9-2	keratin associated protein 9-2	83899
		PRB3	proline-rich protein BstNI subfamily 3	5544
		LOC440300	chondroitin sulfate proteoglycan 4 pseudogene	440300
		ACAP2	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	23527
		ATG2B	ATG2 autophagy related 2 homolog B (<i>S. cerevisiae</i>)	55102
		MFSD4	major facilitator superfamily domain containing 4	148808
		RALY	RNA binding protein, autoantigenic (hnRNP-associated with	22913
		ZBED4	zinc finger, BED-type containing 4	9889
		SNX17	sorting nexin 17	9784
		SCAND1	SCAN domain containing 1	51282
		SNX21	sorting nexin family member 21	90203
		B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase	79369
		LOC392510	tyrosine 3/tryptophan 5 -monooxygenase activation protein	392510
		DEGS1	degenerative spermatocyte homolog 1, lipid desaturase (D	8560
		FAM118A	family with sequence similarity 118, member A	55007
		DLX1	distal-less homeobox 1	1745
		GPS1	G protein pathway suppressor 1	2873
		DDRGK1	DDRGK domain containing 1	65992
		RRP7B	ribosomal RNA processing 7 homolog B (<i>S. cerevisiae</i>)	91695
		VAX1	ventral anterior homeobox 1	11023
		NGFR	nerve growth factor receptor (TNFR superfamily, member	4804
		ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	28976
		WRB	tryptophan rich basic protein	7485
		FNTB	farnesyltransferase, CAAX box, beta	2342
		ASPSCR1	alveolar soft part sarcoma chromosome region, candidate	79058
		TMED10	transmembrane emp24-like trafficking protein 10 (yeast)	10972
		BOLA3	bolA homolog 3 (<i>E. coli</i>)	388962
		CHST9	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase	83539
		POLI	polymerase (DNA directed) iota	11201
		CLNS1A	chloride channel, nucleotide-sensitive, 1A	1207
		TNS1	tensin 1	7145
		NUDT16L1	nudix (nucleoside diphosphate linked moiety X)-type motif	84309
		C14orf80	chromosome 14 open reading frame 80	283643
		SLC46A1	solute carrier family 46 (folate transporter), member 1	113235
		CDH24	cadherin-like 24	64403
		TTLL12	tubulin tyrosine ligase-like family, member 12	23170
		DLD	dihydrolipoamide dehydrogenase	1738

		FAM96B	family with sequence similarity 96, member B	51647
		NCOR2	nuclear receptor co-repressor 2	9612
		ADIPOR2	adiponectin receptor 2	79602
		CLMN	calmin (calponin-like, transmembrane)	79789
		AKT1	v-akt murine thymoma viral oncogene homolog 1	207
		C16orf5	chromosome 16 open reading frame 5	29965
		RAD52	RAD52 homolog (<i>S. cerevisiae</i>)	5893
		GPLD1	glycosylphosphatidylinositol specific phospholipase D1	2822
		IFT52	intraflagellar transport 52 homolog (<i>Chlamydomonas</i>)	51098
		CD93	CD93 molecule	22918
		POFUT1	protein O-fucosyltransferase 1	23509
		NARFL	nuclear prelamin A recognition factor-like	64428
		FAM158A	family with sequence similarity 158, member A	51016
		C3orf1	chromosome 3 open reading frame 1	51300
		VARS2	valyl-tRNA synthetase 2, mitochondrial (putative)	57176
		HUWE1	HECT, UBA and WWE domain containing 1	10075
		ADCY9	adenylate cyclase 9	115
		ZNF18	zinc finger protein 18	7566
		NSF	N-ethylmaleimide-sensitive factor	4905
		CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2	285440
		ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	11194
		PDIA4	protein disulfide isomerase family A, member 4	9601
		PDLIM3	PDZ and LIM domain 3	27295
		ZFYVE9	zinc finger, FYVE domain containing 9	9372
		THY1	Thy-1 cell surface antigen	7070
		ALDH3A2	aldehyde dehydrogenase 3 family, member A2	224
		SCARNA22	small Cajal body-specific RNA 22	677770
		VARS2	valyl-tRNA synthetase 2, mitochondrial (putative)	57176
		RNF168	ring finger protein 168	165918
		FAM184B	family with sequence similarity 184, member B	27146
		C8orf78	chromosome 8 open reading frame 78	157376
		ATG2B	ATG2 autophagy related 2 homolog B (<i>S. cerevisiae</i>)	55102
		C18orf22	chromosome 18 open reading frame 22	79863
		CDC42BPB	CDC42 binding protein kinase beta (DMPK-like)	9578
		NARS2	asparaginyl-tRNA synthetase 2, mitochondrial (putative)	79731
		LOC100131642	PP5241	100131642
		TSR2	TSR2, 20S rRNA accumulation, homolog (<i>S. cerevisiae</i>)	90121
		C19orf46	chromosome 19 open reading frame 46	163183
		C14orf153	chromosome 14 open reading frame 153	84334
		C17orf90	chromosome 17 open reading frame 90	339229
		SLC35D3	solute carrier family 35, member D3	340146

		NT5C	5', 3'-nucleotidase, cytosolic	30833
		MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5	11183
		AIFM1	apoptosis-inducing factor, mitochondrion-associated, 1	9131
		C9orf71	chromosome 9 open reading frame 71	169693
		C21orf45	chromosome 21 open reading frame 45	54069
		EXOC3	exocyst complex component 3	11336
		FLJ45831	hypothetical FLJ45831	400576
		ALDH4A1	aldehyde dehydrogenase 4 family, member A1	8659
		ISCA2	iron-sulfur cluster assembly 2 homolog (<i>S. cerevisiae</i>)	122961
		EVL	Enah/Vasp-like	51466
		STRBP	spermatid perinuclear RNA binding protein	55342
		NBAS	neuroblastoma amplified sequence	51594
		EXD2	exonuclease 3'-5' domain containing 2	55218
		QARS	glutaminyl-tRNA synthetase	5859
		FBF1	Fas (TNFRSF6) binding factor 1	85302
		BAG5	BCL2-associated athanogene 5	9529
		CHL1	cell adhesion molecule with homology to L1CAM (close ho	10752
		SGSM3	small G protein signaling modulator 3	27352
		KIRREL3	kin of IRRE like 3 (<i>Drosophila</i>)	84623
		THOC3	THO complex 3	84321
		RAB11FIP3	RAB11 family interacting protein 3 (class II)	9727
		PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase c	55251
		DSCAML1	Down syndrome cell adhesion molecule like 1	57453
		PHB2	prohibitin 2	11331
		LOC100130236	hypothetical LOC100130236	100130236
		PLA2G3	phospholipase A2, group III	50487
		C11orf87	chromosome 11 open reading frame 87	399947
		FKBP3	FK506 binding protein 3, 25kDa	2287
		RPUSD3	RNA pseudouridylate synthase domain containing 3	285367
		CCDC127	coiled-coil domain containing 127	133957
		PTPRA	protein tyrosine phosphatase, receptor type, A	5786
		C17orf74	chromosome 17 open reading frame 74	201243
		WBSCR22	Williams Beuren syndrome chromosome region 22	114049
		PPP2R5E	protein phosphatase 2, regulatory subunit B', epsilon isofo	5529
		FAM127A	family with sequence similarity 127, member A	8933
		JAGN1	jagunal homolog 1 (<i>Drosophila</i>)	84522
		GBAS	glioblastoma amplified sequence	2631
		FBXO11	F-box protein 11	80204
		PCYOX1	prenylcysteine oxidase 1	51449
		SS18L2	synovial sarcoma translocation gene on chromosome 18-li	51188
		MAP3K7IP1	mitogen-activated protein kinase kinase kinase 7 interacti	10454

	ATP6V0E2	ATPase, H+ transporting V0 subunit e2	155066
	CTXN1	cortexin 1	404217
	LRP4	low density lipoprotein receptor-related protein 4	4038
	DDN	dendrin	23109
	DMBT1	deleted in malignant brain tumors 1	1755
	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ depen	4522
	REXO1L2P	REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2 (ps	441362
	REXO1L2P	REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2 (ps	441362
	REXO1L2P	REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2 (ps	441362
	USP48	ubiquitin specific peptidase 48	84196
	MSH6	mutS homolog 6 (E. coli)	2956
	SEPHS2	selenophosphate synthetase 2	22928
	TUFM	Tu translation elongation factor, mitochondrial	7284
	CSNK2A1	casein kinase 2, alpha 1 polypeptide	1457
	C19orf34	chromosome 19 open reading frame 34	255193
	RWDD2B	RWD domain containing 2B	10069
	RETSAT	retinol saturase (all-trans-retinol 13,14-reductase)	54884
	SAV1	salvador homolog 1 (Drosophila)	60485
	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucoco	2908
	ART1	ADP-ribosyltransferase 1	417
	MPP3	membrane protein, palmitoylated 3 (MAGUK p55 subfami	4356
	ZCCHC3	zinc finger, CCHC domain containing 3	85364
	C5orf55	chromosome 5 open reading frame 55	116349
	TRIT1	tRNA isopentenyltransferase 1	54802
	CMAS	cytidine monophosphate N-acetylneuraminic acid synthet	55907
	PARP2	poly (ADP-ribose) polymerase 2	10038
	RBM23	RNA binding motif protein 23	55147
	THOC3	THO complex 3	84321
	ARHGAP5	Rho GTPase activating protein 5	394
	PACS2	phosphofurin acidic cluster sorting protein 2	23241
	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehy	8574
	HMGN1	high-mobility group nucleosome binding domain 1	3150
	C20orf11	chromosome 20 open reading frame 11	54994
	LRCH3	leucine-rich repeats and calponin homology (CH) domain c	84859
	PITPNA	phosphatidylinositol transfer protein, alpha	5306
	RTN4R	reticulon 4 receptor	65078
	ADCK1	aarF domain containing kinase 1	57143
	PGRMC1	progesterone receptor membrane component 1	10857
	C16orf70	chromosome 16 open reading frame 70	80262
	OR10J5	olfactory receptor, family 10, subfamily J, member 5	127385
	RAB7B	RAB7B, member RAS oncogene family	338382

		UBAC2	UBA domain containing 2	337867
		ZNF154	zinc finger protein 154	7710
		TSEN54	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)	283989
		EMD	emerin	2010
		CELA1	chymotrypsin-like elastase family, member 1	1990
		SLC2A4RG	SLC2A4 regulator	56731
		ATP5A1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex,	498
		NXT2	nuclear transport factor 2-like export factor 2	55916
		PINK1	PTEN induced putative kinase 1	65018
		ALOX12B	arachidonate 12-lipoxygenase, 12R type	242
		C20orf194	chromosome 20 open reading frame 194	25943
		NDRG3	NDRG family member 3	57446
		ATPAF2	ATP synthase mitochondrial F1 complex assembly factor 2	91647
		KRT84	keratin 84	3890
		RPS7	ribosomal protein S7	6201
		KDM1	lysine (K)-specific demethylase 1	23028
		RPSA	ribosomal protein SA	3921
		PRR7	proline rich 7 (synaptic)	80758
		SLC41A3	solute carrier family 41, member 3	54946
		NTN3	netrin 3	4917
		C6orf108	chromosome 6 open reading frame 108	10591
		RPL36AL	ribosomal protein L36a-like	6166
		MAPK9	mitogen-activated protein kinase 9	5601
		KLRAQ1	KLRAQ motif containing 1	129285
		ADH5P4	alcohol dehydrogenase 5 (class III), chi polypeptide, pseud	642443
		PXMP2	peroxisomal membrane protein 2, 22kDa	5827
		NHP2	NHP2 ribonucleoprotein homolog (yeast)	55651
		NMRAL1	NmrA-like family domain containing 1	57407
		BEST2	bestrophin 2	54831
		DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	26063
		PRKCH	protein kinase C, eta	5583
		C9orf23	chromosome 9 open reading frame 23	138716
		ZXDC	ZXD family zinc finger C	79364
		C3orf45	chromosome 3 open reading frame 45	132228
		C20orf20	chromosome 20 open reading frame 20	55257
		LOC202181	hypothetical protein LOC202181	202181
		RNF7	ring finger protein 7	9616
		F12	coagulation factor XII (Hageman factor)	2161
		PANK2	pantothenate kinase 2	80025
		NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4,	4710
		NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4,	4710

		P4HB	prolyl 4-hydroxylase, beta polypeptide	5034
		TSPO	translocator protein (18kDa)	706
		JAKMIP3	Janus kinase and microtubule interacting protein 3	282973
		SNORA57	small nucleolar RNA, H/ACA box 57	692158
		CDS2	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase)	8760
		CARKD	carbohydrate kinase domain containing	55739
		IARS2	isoleucyl-tRNA synthetase 2, mitochondrial	55699
		MRPL23	mitochondrial ribosomal protein L23	6150
		LINGO2	leucine rich repeat and Ig domain containing 2	158038
		STUB1	STIP1 homology and U-box containing protein 1	10273
		PABPC1	poly(A) binding protein, cytoplasmic 1	26986
		MYOM3	myomesin family, member 3	127294
		HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like 2	221092
		ADAM17	ADAM metallopeptidase domain 17	6868
		RPSA	ribosomal protein SA	3921
		DPM3	dolichyl-phosphate mannosyltransferase polypeptide 3	54344
		VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	6843
		GPR27	G protein-coupled receptor 27	2850
		METAP1	methionyl aminopeptidase 1	23173
		ANKRD54	ankyrin repeat domain 54	129138
		ZC3HAV1L	zinc finger CCCH-type, antiviral 1-like	92092
		OXA1L	oxidase (cytochrome c) assembly 1-like	5018
		MCM2	minichromosome maintenance complex component 2	4171
		RRAGA	Ras-related GTP binding A	10670
		RPL24	ribosomal protein L24	6152
		ELN	elastin	2006
		NAT12	N-acetyltransferase 12 (GCN5-related, putative)	122830
		DYNC1H1	dynein, cytoplasmic 1, heavy chain 1	1778
		KCP	kielin/chordin-like protein	375616
		DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha	1788
		GNAS	GNAS complex locus	2778
		SDHA	succinate dehydrogenase complex, subunit A, flavoprotein	6389
		ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70)	6767
		C14orf109	chromosome 14 open reading frame 109	26175
		PDIA6	protein disulfide isomerase family A, member 6	10130
		DAP	death-associated protein	1611
		FXR1	fragile X mental retardation, autosomal homolog 1	8087
		NKX2-5	NK2 transcription factor related, locus 5 (Drosophila)	1482
		SDHALP1	succinate dehydrogenase complex, subunit A, flavoprotein	255812
		PCNX	pecanex homolog (Drosophila)	22990
		YY1	YY1 transcription factor	7528

II	ATP6V0E1	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1	8992
II	ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	9826
III	TMBIM6	transmembrane BAX inhibitor motif containing 6	7009
III	LITAF	lipopolysaccharide-induced TNF factor	9516
III	RPL4	ribosomal protein L4	6124
III	GNS	glucosamine (N-acetyl)-6-sulfatase	2799
III	SPIN1	spindlin 1	10927
III	ADAMTS6	ADAM metalloproteinase with thrombospondin type 1 mot	11174
III	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	10349
III	SPG21	spastic paraplegia 21 (autosomal recessive, Mast syndrom	51324
III	PRPF40A	PRP40 pre-mRNA processing factor 40 homolog A (S. cerev	55660
III	TRIM37	tripartite motif-containing 37	4591
III	ZZZ3	zinc finger, ZZ-type containing 3	26009
III	ACVR2B	activin A receptor, type IIB	93
III	UBE3B	ubiquitin protein ligase E3B	89910
III	SNX19	sorting nexin 19	399979
III	SHOC2	soc-2 suppressor of clear homolog (C. elegans)	8036
III	DDX59	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59	83479
III	ATF6	activating transcription factor 6	22926
III	C12orf49	chromosome 12 open reading frame 49	79794
III	ACBD3	acyl-Coenzyme A binding domain containing 3	64746
III	RAP2B	RAP2B, member of RAS oncogene family	5912
III	BSG	basigin (Ok blood group)	682
III	LIPA	lipase A, lysosomal acid, cholesterol esterase	3988
III	C5orf15	chromosome 5 open reading frame 15	56951
III	UBR2	ubiquitin protein ligase E3 component n-recognin 2	23304
III	RFX1	regulatory factor X, 1 (influences HLA class II expression)	5989
III	C10orf28	chromosome 10 open reading frame 28	27291
III	RPA2	replication protein A2, 32kDa	6118
III	PRPF18	PRP18 pre-mRNA processing factor 18 homolog (S. cerevis	8559
III	SMG7	Smg-7 homolog, nonsense mediated mRNA decay factor (C	9887
III	SSH2	slingshot homolog 2 (Drosophila)	85464
III	GPBP1L1	GC-rich promoter binding protein 1-like 1	60313
III	HPS5	Hermansky-Pudlak syndrome 5	11234
III	RAB3IP	RAB3A interacting protein (rabin3)	117177
III	BRI3	brain protein I3	25798
III	TMCC1	transmembrane and coiled-coil domain family 1	23023
III	AP3B1	adaptor-related protein complex 3, beta 1 subunit	8546
III	FAM48A	family with sequence similarity 48, member A	55578
III	HMGN4	high mobility group nucleosomal binding domain 4	10473
III	S100A11	S100 calcium binding protein A11	6282

	POU2F1	POU class 2 homeobox 1	5451
	FAM21A	family with sequence similarity 21, member A	387680
	CHP	calcium binding protein P22	11261
	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, an	3688
	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	5290
	DNAJC14	DnaJ (Hsp40) homolog, subfamily C, member 14	85406
	RARS2	arginyl-tRNA synthetase 2, mitochondrial	57038
	MBOAT7	membrane bound O-acyltransferase domain containing 7	79143
	CLDN12	claudin 12	9069
	NOS1AP	nitric oxide synthase 1 (neuronal) adaptor protein	9722
	NUDT5	nudix (nucleoside diphosphate linked moiety X)-type moti	11164
	GMDS	GDP-mannose 4,6-dehydratase	2762
	TROVE2	TROVE domain family, member 2	6738
	PPWD1	peptidylprolyl isomerase domain and WD repeat containin	23398
	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	2879
	HIPK3	homeodomain interacting protein kinase 3	10114
	C15orf44	chromosome 15 open reading frame 44	81556
	C1orf9	chromosome 1 open reading frame 9	51430
	CNOT2	CCR4-NOT transcription complex, subunit 2	4848
	THAP10	THAP domain containing 10	56906
	HIRA	HIR histone cell cycle regulation defective homolog A (S. ce	7290
	FBXO38	F-box protein 38	81545
	AKAP13	A kinase (PRKA) anchor protein 13	11214
	C6orf115	chromosome 6 open reading frame 115	58527
	FUCA2	fucosidase, alpha-L- 2, plasma	2519
	TARSL2	threonyl-tRNA synthetase-like 2	123283
	USP20	ubiquitin specific peptidase 20	10868
	KIAA0415	KIAA0415	9907
	SAR1A	SAR1 homolog A (S. cerevisiae)	56681
	SLC25A46	solute carrier family 25, member 46	91137
	FBXW2	F-box and WD repeat domain containing 2	26190
	OSBPL6	oxysterol binding protein-like 6	114880
	GAPVD1	GTPase activating protein and VPS9 domains 1	26130
	TRIM33	tripartite motif-containing 33	51592
	FAM21C	family with sequence similarity 21, member C	253725
	TSG101	tumor susceptibility gene 101	7251
	CCND3	cyclin D3	896
	PAPOLG	poly(A) polymerase gamma	64895
	FAM81A	family with sequence similarity 81, member A	145773
	USP21	ubiquitin specific peptidase 21	27005
	MSRA	methionine sulfoxide reductase A	4482

	LIMS1	LIM and senescent cell antigen-like domains 1	3987
	LIMS1	LIM and senescent cell antigen-like domains 1	3987
	RNF145	ring finger protein 145	153830
	RBBP5	retinoblastoma binding protein 5	5929
	RAB18	RAB18, member RAS oncogene family	22931
	SF4	splicing factor 4	57794
	SEC22B	SEC22 vesicle trafficking protein homolog B (<i>S. cerevisiae</i>)	9554
	KIAA0892	KIAA0892	23383
	MFSD9	major facilitator superfamily domain containing 9	84804
	OTUD7B	OTU domain containing 7B	56957
	C10orf84	chromosome 10 open reading frame 84	63877
	FAM21B	family with sequence similarity 21, member B	55747
	TMEM9B	TMEM9 domain family, member B	56674
	CLASP1	cytoplasmic linker associated protein 1	23332
	TMCC3	transmembrane and coiled-coil domain family 3	57458
	TP53	tumor protein p53	7157
	SFRS18	splicing factor, arginine/serine-rich 18	25957
	MTRF1L	mitochondrial translational release factor 1-like	54516
	CDC2L5	cell division cycle 2-like 5 (cholinesterase-related cell division cycle 2-like 5)	8621
	GOLGA2L1	golgi autoantigen, golgin subfamily a, 2-like 1	55592
	NDEL1	nudE nuclear distribution gene E homolog (<i>A. nidulans</i>)-like	81565
	C11orf57	chromosome 11 open reading frame 57	55216
	SCAMP2	secretory carrier membrane protein 2	10066
	MESDC2	mesoderm development candidate 2	23184
	CIB1	calcium and integrin binding 1 (calmyrin)	10519
	PSD4	pleckstrin and Sec7 domain containing 4	23550
	BBX	bobby sox homolog (<i>Drosophila</i>)	56987
	ZDHHC13	zinc finger, DHHC-type containing 13	54503
	ABI1	abl-interactor 1	10006
	CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	1267
	SORCS2	sortilin-related VPS10 domain containing receptor 2	57537
	MGEA5	meningioma expressed antigen 5 (hyaluronidase)	10724
	KIAA1310	KIAA1310	55683
	ACBD5	acyl-Coenzyme A binding domain containing 5	91452
	PKN2	protein kinase N2	5586
	CTTN	cortactin	2017
	POGZ	pogo transposable element with ZNF domain	23126
	ZHX1	zinc fingers and homeoboxes 1	11244
	HERC1	hect (homologous to the E6-AP (UBE3A) carboxyl terminus)	8925
	TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	80351
	ASCC3	activating signal cointegrator 1 complex subunit 3	10973

	YIPF1	Yip1 domain family, member 1	54432
	KIAA0652	KIAA0652	9776
	TMEM181	transmembrane protein 181	57583
	SLC39A1	solute carrier family 39 (zinc transporter), member 1	27173
	KCTD10	potassium channel tetramerisation domain containing 10	83892
	C5orf44	chromosome 5 open reading frame 44	80006
	SNUPN	snurportin 1	10073
	LYSMD3	LysM, putative peptidoglycan-binding, domain containing	116068
	MTMR6	myotubularin related protein 6	9107
	VTI1A	vesicle transport through interaction with t-SNAREs homo	143187
	CARD8	caspase recruitment domain family, member 8	22900
	PDE4DIP	phosphodiesterase 4D interacting protein	9659
	PTPN9	protein tyrosine phosphatase, non-receptor type 9	5780
	SCRN1	secernin 1	9805
	THEG	Theg homolog (mouse)	51298
	COPS2	COP9 constitutive photomorphogenic homolog subunit 2 (9318
	SH3TC1	SH3 domain and tetratricopeptide repeats 1	54436
	TBPL1	TBP-like 1	9519
	TOM1L2	target of myb1-like 2 (chicken)	146691
	MDFI	MyoD family inhibitor	4188
	TMEM87A	transmembrane protein 87A	25963
	SMCR8	Smith-Magenis syndrome chromosome region, candidate	140775
	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2)	4665
	IMPA1	inositol(myo)-1(or 4)-monophosphatase 1	3612
	GIT2	G protein-coupled receptor kinase interacting ArfGAP 2	9815
	DUT	deoxyuridine triphosphatase	1854
	NPTN	neuroplastin	27020
	ZDHHC7	zinc finger, DHHC-type containing 7	55625
	TMC6	transmembrane channel-like 6	11322
	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	26750
	GYLTL1B	glycosyltransferase-like 1B	120071
	TBCC	tubulin folding cofactor C	6903
	KIAA0101	KIAA0101	9768
	CTBP2	C-terminal binding protein 2	1488
	RAB11A	RAB11A, member RAS oncogene family	8766
	MICAL2	MICAL-like 2	79778
	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, sma	5879
	ULK3	unc-51-like kinase 3 (C. elegans)	25989
	CD151	CD151 molecule (Raph blood group)	977
	SH2B3	SH2B adaptor protein 3	10019
	CNN2	calponin 2	1265

	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	5923
	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independ	8605
	SEC11A	SEC11 homolog A (<i>S. cerevisiae</i>)	23478
	DDA1	DET1 and DDB1 associated 1	79016
	FBXO18	F-box protein, helicase, 18	84893
	FAM111A	family with sequence similarity 111, member A	63901
	C7orf25	chromosome 7 open reading frame 25	79020
	CCNDBP1	cyclin D-type binding-protein 1	23582
	SH3PXD2A	SH3 and PX domains 2A	9644
	C10orf12	chromosome 10 open reading frame 12	26148
	MIER1	mesoderm induction early response 1 homolog (<i>Xenopus</i>	57708
	KIF13A	kinesin family member 13A	63971
	CDH3	cadherin 3, type 1, P-cadherin (placental)	1001
	KCNJ15	potassium inwardly-rectifying channel, subfamily J, memb	3772
	AKIRIN2	akirin 2	55122
	FAM53B	family with sequence similarity 53, member B	9679
	ENDOD1	endonuclease domain containing 1	23052
	C6orf167	chromosome 6 open reading frame 167	253714
	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax ho	8028
	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	10347
	WDFY3	WD repeat and FYVE domain containing 3	23001
	MAT2B	methionine adenosyltransferase II, beta	27430
	RNF146	ring finger protein 146	81847
	PHF19	PHD finger protein 19	26147
	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	7320
	NAPA	N-ethylmaleimide-sensitive factor attachment protein, alp	8775
	SLC26A11	solute carrier family 26, member 11	284129
	MFAP3	microfibrillar-associated protein 3	4238
	FAM160B1	family with sequence similarity 160, member B1	57700
	NOD1	nucleotide-binding oligomerization domain containing 1	10392
	HDGFRP3	hepatoma-derived growth factor, related protein 3	50810
	SLC38A2	solute carrier family 38, member 2	54407
	C9orf21	chromosome 9 open reading frame 21	195827
	RBM34	RNA binding motif protein 34	23029
	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysospho	10554
	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysospho	10554
	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysospho	10554
	REV1	REV1 homolog (<i>S. cerevisiae</i>)	51455
	DYX1C1	dyslexia susceptibility 1 candidate 1	161582
	MYLK4	myosin light chain kinase family, member 4	340156
	KIAA1609	KIAA1609	57707

	PSMC3IP	PSMC3 interacting protein	29893
	PRKCE	protein kinase C, epsilon	5581
	AP3S2	adaptor-related protein complex 3, sigma 2 subunit	10239
	GPBP1	GC-rich promoter binding protein 1	65056
	SFRS12IP1	SFRS12-interacting protein 1	285672
	CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	10845
	USF1	upstream transcription factor 1	7391
	MIDN	midnolin	90007
	TNFSF9	tumor necrosis factor (ligand) superfamily, member 9	8744
	EDARADD	EDAR-associated death domain	128178
	NET1	neuroepithelial cell transforming 1	10276
	MAPKBP1	mitogen-activated protein kinase binding protein 1	23005
	CTSA	cathepsin A	5476
	SPTAN1	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	6709
	SETX	senataxin	23064
	NCOA4	nuclear receptor coactivator 4	8031
	ZCCHC8	zinc finger, CCHC domain containing 8	55596
	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1	64215
	CHRNA5	cholinergic receptor, nicotinic, alpha 5	1138
	TRIB1	tribbles homolog 1 (Drosophila)	10221
	ATF1	activating transcription factor 1	466
	TMF1	TATA element modulatory factor 1	7110
	NPAT	nuclear protein, ataxia-telangiectasia locus	4863
	KIAA1009	KIAA1009	22832
	U2AF1L4	U2 small nuclear RNA auxiliary factor 1-like 4	199746
	ZNF280D	zinc finger protein 280D	54816
	GBA2	glucosidase, beta (bile acid) 2	57704
	KDM2A	lysine (K)-specific demethylase 2A	22992
	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	10725
	ABLIM1	actin binding LIM protein 1	3983
	SH3GL1	SH3-domain GRB2-like 1	6455
	C6orf106	chromosome 6 open reading frame 106	64771
	MAP3K6	mitogen-activated protein kinase kinase kinase 6	9064
	ZNF107	zinc finger protein 107	51427
	FCHO2	FCH domain only 2	115548
	LAMA1	laminin, alpha 1	284217
	DTL	denticleless homolog (Drosophila)	51514
	USP42	ubiquitin specific peptidase 42	84132
	CD164	CD164 molecule, sialomucin	8763
	C5orf22	chromosome 5 open reading frame 22	55322
	OSBPL3	oxysterol binding protein-like 3	26031

	SDCCAG8	serologically defined colon cancer antigen 8	10806
	USP31	ubiquitin specific peptidase 31	57478
	RELL1	RELT-like 1	768211
	ARHGEF2	Rho/Rac guanine nucleotide exchange factor (GEF) 2	9181
	ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding	25820
	C9orf102	chromosome 9 open reading frame 102	375748
	FER	fer (fps/fes related) tyrosine kinase	2241
	RAB43	RAB43, member RAS oncogene family	339122
	SRPK2	SFRS protein kinase 2	6733
	ZSCAN20	zinc finger and SCAN domain containing 20	7579
	C3orf38	chromosome 3 open reading frame 38	285237
	DMXL1	Dmx-like 1	1657
	SNX13	sorting nexin 13	23161
	LNPEP	leucyl/cystinyl aminopeptidase	4012
	C10orf26	chromosome 10 open reading frame 26	54838
	NFIA	nuclear factor I/A	4774
	RAB31	RAB31, member RAS oncogene family	11031
	MPZL3	myelin protein zero-like 3	196264
	SPTBN1	spectrin, beta, non-erythrocytic 1	6711
	BCO2	beta-carotene oxygenase 2	83875
	MECOM	MDS1 and EVI1 complex locus	2122
	GIGYF2	GRB10 interacting GYF protein 2	26058
	MRPS11	mitochondrial ribosomal protein S11	64963
	C2orf55	chromosome 2 open reading frame 55	343990
	RTKN2	rhotekin 2	219790
	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)	8476
	C5orf34	chromosome 5 open reading frame 34	375444
	ARHGAP1	Rho GTPase activating protein 1	392
	CCDC90B	coiled-coil domain containing 90B	60492
	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	2651
	GNG10	guanine nucleotide binding protein (G protein), gamma 10	2790
	GTF2B	general transcription factor IIB	2959
	SCNM1	sodium channel modifier 1	79005
	MYOF	myoferlin	26509
	FAM178A	family with sequence similarity 178, member A	55719
	RIC3	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	79608
	CWF19L2	CWF19-like 2, cell cycle control (S. pombe)	143884
	CCNJL	cyclin J-like	79616
	DENND4A	DENN/MADD domain containing 4A	10260
	KLF12	Kruppel-like factor 12	11278
	YAF2	YY1 associated factor 2	10138

	FLJ22167	hypothetical protein FLJ22167	79583
	MEF2D	myocyte enhancer factor 2D	4209
	ARL13B	ADP-ribosylation factor-like 13B	200894
	PCK2	PCTAIRE protein kinase 2	5128
	SMCHD1	structural maintenance of chromosomes flexible hinge do	23347
	FAM103A1	family with sequence similarity 103, member A1	83640
	MTRF1L	mitochondrial translational release factor 1-like	54516
	C10orf88	chromosome 10 open reading frame 88	80007
	PNPLA8	patatin-like phospholipase domain containing 8	50640
	GBF1	golgi-specific brefeldin A resistant guanine nucleotide exch	8729
	IQCK	IQ motif containing K	124152
	OXR1	oxidation resistance 1	55074
	C1orf27	chromosome 1 open reading frame 27	54953
	C6orf70	chromosome 6 open reading frame 70	55780
	COL17A1	collagen, type XVII, alpha 1	1308
	ENG	endoglin	2022
	TAPBPL	TAP binding protein-like	55080
	HINFP	histone H4 transcription factor	25988
	LRRC28	leucine rich repeat containing 28	123355
	PTPN12	protein tyrosine phosphatase, non-receptor type 12	5782
	QKI	quaking homolog, KH domain RNA binding (mouse)	9444
	LCOR	ligand dependent nuclear receptor corepressor	84458
	FLOT2	flotillin 2	2319
	C15orf17	chromosome 15 open reading frame 17	57184
	PLEKHM1P	pleckstrin homology domain containing, family M (with RU	440456
	RASA1	RAS p21 protein activator (GTPase activating protein) 1	5921
	MRPL46	mitochondrial ribosomal protein L46	26589
	TLK1	tousled-like kinase 1	9874
	CYBASC3	cytochrome b, ascorbate dependent 3	220002
	CTSD	cathepsin D	1509
	FN1	fibronectin 1	2335
	KIF18A	kinesin family member 18A	81930
	CCDC125	coiled-coil domain containing 125	202243
	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kin	8444
	IRAK4	interleukin-1 receptor-associated kinase 4	51135
	LUZP1	leucine zipper protein 1	7798
	HIST1H2BJ	histone cluster 1, H2bj	8970
	IQGAP2	IQ motif containing GTPase activating protein 2	10788
	ZNF791	zinc finger protein 791	163049
	TXLNA	taxilin alpha	200081
	TCF12	transcription factor 12	6938

	PHACTR4	phosphatase and actin regulator 4	65979
	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380
	WASF3	WAS protein family, member 3	10810
	STOML1	stomatin (EPB72)-like 1	9399
	STAM	signal transducing adaptor molecule (SH3 domain and ITA	8027
	SQSTM1	sequestosome 1	8878
	RPP30	ribonuclease P/MRP 30kDa subunit	10556
	USP15	ubiquitin specific peptidase 15	9958
	SPA17	sperm autoantigenic protein 17	53340
	ANKRD42	ankyrin repeat domain 42	338699
	TMEM60	transmembrane protein 60	85025
	KIAA1598	KIAA1598	57698
	MYL9	myosin, light chain 9, regulatory	10398
	SASS6	spindle assembly 6 homolog (C. elegans)	163786
	GPR56	G protein-coupled receptor 56	9289
	RALA	v-ral simian leukemia viral oncogene homolog A (ras relate	5898
	INTS7	integrator complex subunit 7	25896
	DMPK	dystrophia myotonica-protein kinase	1760
	SIN3A	SIN3 homolog A, transcription regulator (yeast)	25942
	KLHL21	kelch-like 21 (Drosophila)	9903
	RIN1	Ras and Rab interactor 1	9610
	KIAA0494	KIAA0494	9813
	GNG5	guanine nucleotide binding protein (G protein), gamma 5	2787
	RB1	retinoblastoma 1	5925
	NUPL1	nucleoporin like 1	9818
	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380
	SLC30A7	solute carrier family 30 (zinc transporter), member 7	148867
	ASB8	ankyrin repeat and SOCS box-containing 8	140461
	PACS1	phosphofurin acidic cluster sorting protein 1	55690
	NARG2	NMDA receptor regulated 2	79664
	PLEKHB2	pleckstrin homology domain containing, family B (evectins	55041
	FAM103A1	family with sequence similarity 103, member A1	83640
	STX6	syntaxin 6	10228
	FKBP15	FK506 binding protein 15, 133kDa	23307
	ZBTB34	zinc finger and BTB domain containing 34	403341
	AES	amino-terminal enhancer of split	166
	MAP3K2	mitogen-activated protein kinase kinase kinase 2	10746
	ANXA1	annexin A1	301
	KIAA0913	KIAA0913	23053
	TRAF3IP2	TRAF3 interacting protein 2	10758
	ANXA8	annexin A8	653145

	FAM108C1	family with sequence similarity 108, member C1	58489
	SERAC1	serine active site containing 1	84947
	GPR115	G protein-coupled receptor 115	221393
	PIAS1	protein inhibitor of activated STAT, 1	8554
	TPRG1	tumor protein p63 regulated 1	285386
	WSB2	WD repeat and SOCS box-containing 2	55884
	ARHGAP26	Rho GTPase activating protein 26	23092
	POLR3A	polymerase (RNA) III (DNA directed) polypeptide A, 155kD	11128
	WDR37	WD repeat domain 37	22884
	C9orf102	chromosome 9 open reading frame 102	375748
	FAM154B	family with sequence similarity 154, member B	283726
	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	5980
	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrah	10588
	MESDC1	mesoderm development candidate 1	59274
	DBF4B	DBF4 homolog B (<i>S. cerevisiae</i>)	80174
	ZC3H12C	zinc finger CCCH-type containing 12C	85463
	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-G	23443
	C1orf192	chromosome 1 open reading frame 192	257177
	SKIL	SKI-like oncogene	6498
	CD2AP	CD2-associated protein	23607
	RGL2	ral guanine nucleotide dissociation stimulator-like 2	5863
	PHTF1	putative homeodomain transcription factor 1	10745
	GALK2	galactokinase 2	2585
	MAN2A1	mannosidase, alpha, class 2A, member 1	4124
	MYO1E	myosin IE	4643
	USP40	ubiquitin specific peptidase 40	55230
	ERBB2IP	erbb2 interacting protein	55914
	CYB5R4	cytochrome b5 reductase 4	51167
	CEP170	centrosomal protein 170kDa	9859
	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	2184
	SHISA5	shisa homolog 5 (<i>Xenopus laevis</i>)	51246
	ANXA8L2	annexin A8-like 2	244
	MYO5C	myosin VC	55930
	TOR1AIP2	torsin A interacting protein 2	163590
	FAM122C	family with sequence similarity 122C	159091
	CTSB	cathepsin B	1508
	DHX32	DEAH (Asp-Glu-Ala-His) box polypeptide 32	55760
	WDR17	WD repeat domain 17	116966
	CLIP1	CAP-GLY domain containing linker protein 1	6249
	C15orf57	chromosome 15 open reading frame 57	90416
	LZTS2	leucine zipper, putative tumor suppressor 2	84445

	CST3	cystatin C	1471
	PLCE1	phospholipase C, epsilon 1	51196
	MED8	mediator complex subunit 8	112950
	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in	4790
	THEM4	thioesterase superfamily member 4	117145
	MIER2	mesoderm induction early response 1, family member 2	54531
	ZCCHC2	zinc finger, CCHC domain containing 2	54877
	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-be	56913
	MBD5	methyl-CpG binding domain protein 5	55777
	NSUN5	NOL1/NOP2/Sun domain family, member 5	55695
	NUP62CL	nucleoporin 62kDa C-terminal like	54830
	ZFAND5	zinc finger, AN1-type domain 5	7763
	CSGALNACT2	chondroitin sulfate N-acetylgalactosaminyltransferase 2	55454
	SLC29A3	solute carrier family 29 (nucleoside transporters), member	55315
	ZC3HAV1	zinc finger CCCH-type, antiviral 1	56829
	DCBLD1	discoidin, CUB and LCCL domain containing 1	285761
	FBXO28	F-box protein 28	23219
	STX7	syntaxin 7	8417
	CRIP2	cysteine-rich protein 2	1397
	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, ye	7321
	CCDC132	coiled-coil domain containing 132	55610
	TRAK2	trafficking protein, kinesin binding 2	66008
	HIST1H1A	histone cluster 1, H1a	3024
	MDM1	Mdm1 nuclear protein homolog (mouse)	56890
	ARPP19	cAMP-regulated phosphoprotein, 19kDa	10776
	COX19	COX19 cytochrome c oxidase assembly homolog (S. cerevis	90639
	CEP152	centrosomal protein 152kDa	22995
	CHD9	chromodomain helicase DNA binding protein 9	80205
	GRN	granulin	2896
	ZWILCH	Zwilch, kinetochore associated, homolog (Drosophila)	55055
	AIDA	axin interactor, dorsalization associated	64853
	C10orf46	chromosome 10 open reading frame 46	143384
	RBM18	RNA binding motif protein 18	92400
	FAM109B	family with sequence similarity 109, member B	150368
	C9orf68	chromosome 9 open reading frame 68	55064
	MYLK	myosin light chain kinase	4638
	SLU7	SLU7 splicing factor homolog (S. cerevisiae)	10569
	SERINC1	serine incorporator 1	57515
	PXN	paxillin	5829
	FNIP1	folliculin interacting protein 1	96459
	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380

	HERPUD2	HERPUD family member 2	64224
	TRIP4	thyroid hormone receptor interactor 4	9325
	TRPV1	transient receptor potential cation channel, subfamily V, m	7442
	BRIP1	BRCA1 interacting protein C-terminal helicase 1	83990
	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-a	2650
	FUT2	fucosyltransferase 2 (secretor status included)	2524
	ALS2CL	ALS2 C-terminal like	259173
	REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)	5966
	ZBTB34	zinc finger and BTB domain containing 34	403341
	RPRD2	regulation of nuclear pre-mRNA domain containing 2	23248
	MITD1	MIT, microtubule interacting and transport, domain contai	129531
	ZNF618	zinc finger protein 618	114991
	RAET1E	retinoic acid early transcript 1E	135250
	ZNF438	zinc finger protein 438	220929
	ADPGK	ADP-dependent glucokinase	83440
	C1orf106	chromosome 1 open reading frame 106	55765
	FTSJD2	FtsJ methyltransferase domain containing 2	23070
	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4	3676
	CKAP2	cytoskeleton associated protein 2	26586
	STK38	serine/threonine kinase 38	11329
	ZNF292	zinc finger protein 292	23036
	E2F8	E2F transcription factor 8	79733
	C6orf150	chromosome 6 open reading frame 150	115004
	CNKSR1	connector enhancer of kinase suppressor of Ras 1	10256
	CCDC82	coiled-coil domain containing 82	79780
	MYO6	myosin VI	4646
	SCYL2	SCY1-like 2 (<i>S. cerevisiae</i>)	55681
	TSPAN15	tetraspanin 15	23555
	ITPRIP	inositol 1,4,5-triphosphate receptor interacting protein	85450
	RUFY3	RUN and FYVE domain containing 3	22902
	LEO1	Leo1, Paf1/RNA polymerase II complex component, homo	123169
	PLCD3	phospholipase C, delta 3	113026
	C15orf58	chromosome 15 open reading frame 58	390637
	SPIRE2	spire homolog 2 (<i>Drosophila</i>)	84501
	PHLDA2	pleckstrin homology-like domain, family A, member 2	7262
	TACSTD2	tumor-associated calcium signal transducer 2	4070
	PAK6	p21 protein (Cdc42/Rac)-activated kinase 6	56924
	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glyci	6536
	ARL5B	ADP-ribosylation factor-like 5B	221079
	ZHX2	zinc fingers and homeoboxes 2	22882
	SHC1	SHC (Src homology 2 domain containing) transforming pro	6464

	FAM126B	family with sequence similarity 126, member B	285172
	C1orf58	chromosome 1 open reading frame 58	148362
	ARAP3	ArfGAP with RhoGAP domain, ankyrin repeat and PH dom	64411
	RASSF10	Ras association (RalGDS/AF-6) domain family (N-terminal)	644943
	PSORS1C1	psoriasis susceptibility 1 candidate 1	170679
	NHLRC1	NHL repeat containing 1	378884
	C6orf204	chromosome 6 open reading frame 204	387119
	JAK1	Janus kinase 1	3716
	HLA-DRB3	major histocompatibility complex, class II, DR beta 3	3125
	MAML2	mastermind-like 2 (Drosophila)	84441
	CRISPLD1	cysteine-rich secretory protein LCCL domain containing 1	83690
	ANXA8L1	annexin A8-like 1	728113
	VANGL1	vang-like 1 (van gogh, Drosophila)	81839
	FAM111B	family with sequence similarity 111, member B	374393
	LOC554202	hypothetical LOC554202	554202
	DTWD1	DTW domain containing 1	56986
	C7orf64	chromosome 7 open reading frame 64	84060
	PIP4K2C	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	79837
	SOAT1	sterol O-acyltransferase 1	6646
	BTN2A1	butyrophilin, subfamily 2, member A1	11120
	UEVLD	UEV and lactate/malate dehydrogenase domains	55293
	SNCG	synuclein, gamma (breast cancer-specific protein 1)	6623
	IL15	interleukin 15	3600
	ALDH3B1	aldehyde dehydrogenase 3 family, member B1	221
	EPS8	epidermal growth factor receptor pathway substrate 8	2059
	CYFIP1	cytoplasmic FMR1 interacting protein 1	23191
	SEC14L2	SEC14-like 2 (<i>S. cerevisiae</i>)	23541
	SELS	selenoprotein S	55829
	STX2	syntaxin 2	2054
	PLEKHM3	pleckstrin homology domain containing, family M, membe	389072
	PLEKHM3	pleckstrin homology domain containing, family M, membe	389072
	TBC1D13	TBC1 domain family, member 13	54662
	CEP170	centrosomal protein 170kDa	9859
	SLTM	SAFB-like, transcription modulator	79811
	TMEM55A	transmembrane protein 55A	55529
	HS3ST1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	9957
	CKMT1A	creatine kinase, mitochondrial 1A	548596
	CKMT1A	creatine kinase, mitochondrial 1A	548596
	FEM1B	fem-1 homolog b (<i>C. elegans</i>)	10116
	TPBG	trophoblast glycoprotein	7162
	PATL1	protein associated with topoisomerase II homolog 1 (yeast	219988

	TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1	8887
	LGALS8	lectin, galactoside-binding, soluble, 8	3964
	UHMK1	U2AF homology motif (UHM) kinase 1	127933
	ARID4B	AT rich interactive domain 4B (RBP1-like)	51742
	PI4K2A	phosphatidylinositol 4-kinase type 2 alpha	55361
	HEXA	hexosaminidase A (alpha polypeptide)	3073
	ZSWIM6	zinc finger, SWIM-type containing 6	57688
	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal	6609
	RGL2	ral guanine nucleotide dissociation stimulator-like 2	5863
	RGL2	ral guanine nucleotide dissociation stimulator-like 2	5863
	MCOLN1	mucolipin 1	57192
	FANCI	Fanconi anemia, complementation group I	55215
	C11orf17	chromosome 11 open reading frame 17	56672
	CALML4	calmodulin-like 4	91860
	ANKFY1	ankyrin repeat and FYVE domain containing 1	51479
	BTBD10	BTB (POZ) domain containing 10	84280
	NT5C2	5'-nucleotidase, cytosolic II	22978
	C12orf51	chromosome 12 open reading frame 51	283450
	WDR66	WD repeat domain 66	144406
	LEPR	leptin receptor	3953
	SERTAD2	SERTA domain containing 2	9792
	VPS37B	vacuolar protein sorting 37 homolog B (<i>S. cerevisiae</i>)	79720
	KCNAB2	potassium voltage-gated channel, shaker-related subfamily	8514
	SH3GLB1	SH3-domain GRB2-like endophilin B1	51100
	CCDC15	coiled-coil domain containing 15	80071
	FIBCD1	fibrinogen C domain containing 1	84929
	TOR1AIP1	torsin A interacting protein 1	26092
	TRPS1	trichorhinophalangeal syndrome I	7227
	CYTSB	cytospin B	92521
	C6orf48	chromosome 6 open reading frame 48	50854
	C6orf48	chromosome 6 open reading frame 48	50854
	GCA	grancalcin, EF-hand calcium binding protein	25801
	ZNF193	zinc finger protein 193	7746
	SLK	STE20-like kinase (yeast)	9748
	BRCA2	breast cancer 2, early onset	675
	TMEM40	transmembrane protein 40	55287
	PIGB	phosphatidylinositol glycan anchor biosynthesis, class B	9488
	SLC38A9	solute carrier family 38, member 9	153129
	WDR73	WD repeat domain 73	84942
	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	23645
	SPOPL	speckle-type POZ protein-like	339745

	FCHSD1	FCH and double SH3 domains 1	89848
	HLA-DOB	major histocompatibility complex, class II, DO beta	3112
	BMPR2	bone morphogenetic protein receptor, type II (serine/thre	659
	SASH1	SAM and SH3 domain containing 1	23328
	LINS1	lines homolog 1 (Drosophila)	55180
	BTD	biotinidase	686
	KIAA1328	KIAA1328	57536
	VEGFC	vascular endothelial growth factor C	7424
	ZFAND2A	zinc finger, AN1-type domain 2A	90637
	STAG3L4	stromal antigen 3-like 4	64940
	HLA-DRB3	major histocompatibility complex, class II, DR beta 3	3125
	SDSL	serine dehydratase-like	113675
	FTH1	ferritin, heavy polypeptide 1	2495
	CTTNBP2NL	CTTNBP2 N-terminal like	55917
	PSAP	prosaposin	5660
	NEK7	NIMA (never in mitosis gene a)-related kinase 7	140609
	VAMP5	vesicle-associated membrane protein 5 (myobrevin)	10791
	TBK1	TANK-binding kinase 1	29110
	TRPM7	transient receptor potential cation channel, subfamily M, r	54822
	ZNF365	zinc finger protein 365	22891
	ATG4A	ATG4 autophagy related 4 homolog A (<i>S. cerevisiae</i>)	115201
	MEGF9	multiple EGF-like-domains 9	1955
	RHBDD1	rhomboïd domain containing 1	84236
	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	4784
	GOLPH3L	golgi phosphoprotein 3-like	55204
	C5orf56	chromosome 5 open reading frame 56	441108
	ZNF680	zinc finger protein 680	340252
	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa	2963
	PLEKHM1	pleckstrin homology domain containing, family M (with RU	9842
	BCL2L11	BCL2-like 11 (apoptosis facilitator)	10018
	ACVR2A	activin A receptor, type IIA	92
	BNIP2	BCL2/adenovirus E1B 19kDa interacting protein 2	663
	NUAK2	NUAK family, SNF1-like kinase, 2	81788
	MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)	4343
	EPC1	enhancer of polycomb homolog 1 (Drosophila)	80314
	C1orf107	chromosome 1 open reading frame 107	27042
	HLA-DOB	major histocompatibility complex, class II, DO beta	3112
	TNFAIP8	tumor necrosis factor, alpha-induced protein 8	25816
	AIM1	absent in melanoma 1	202
	MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltrans	4242
	SLC36A1	solute carrier family 36 (proton/amino acid symporter), m	206358

	NOL8	nucleolar protein 8	55035
	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	4170
	ITPR3	inositol 1,4,5-triphosphate receptor, type 3	3710
	CENPL	centromere protein L	91687
	NGRN	neugrin, neurite outgrowth associated	51335
	HOXA2	homeobox A2	3199
	WNT7A	wingless-type MMTV integration site family, member 7A	7476
	E2F3	E2F transcription factor 3	1871
	CENPQ	centromere protein Q	55166
	CASP4	caspase 4, apoptosis-related cysteine peptidase	837
	RHPN2	rhopilin, Rho GTPase binding protein 2	85415
	KATNAL1	katanin p60 subunit A-like 1	84056
	SCARNA17	small Cajal body-specific RNA 17	677769
	ZNF85	zinc finger protein 85	7639
	TYK2	tyrosine kinase 2	7297
	FCHSD2	FCH and double SH3 domains 2	9873
	NR1H2	nuclear receptor subfamily 1, group H, member 2	7376
	EFCAB2	EF-hand calcium binding domain 2	84288
	EFTUD1	elongation factor Tu GTP binding domain containing 1	79631
	NR2F6	nuclear receptor subfamily 2, group F, member 6	2063
	DPP8	dipeptidyl-peptidase 8	54878
	SCLT1	sodium channel and clathrin linker 1	132320
	FAT2	FAT tumor suppressor homolog 2 (Drosophila)	2196
	THG1L	tRNA-histidine guanylyltransferase 1-like (S. cerevisiae)	54974
	BTC	betacellulin	685
	STX3	syntaxin 3	6809
	TNFAIP2	tumor necrosis factor, alpha-induced protein 2	7127
	COG3	component of oligomeric golgi complex 3	83548
	TMEM126B	transmembrane protein 126B	55863
	TMEM194A	transmembrane protein 194A	23306
	ZBTB43	zinc finger and BTB domain containing 43	23099
	VGLL3	vestigial like 3 (Drosophila)	389136
	COL4A3BP	collagen, type IV, alpha 3 (Goodpasture antigen) binding p	10087
	PHACTR2	phosphatase and actin regulator 2	9749
	GPR85	G protein-coupled receptor 85	54329
	CCDC109B	coiled-coil domain containing 109B	55013
	LOC388692	hypothetical LOC388692	388692
	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	4660
	AAGAB	alpha- and gamma-adaptin binding protein	79719
	CD47	CD47 molecule	961
	TRIM26	tripartite motif-containing 26	7726

	RPS27L	ribosomal protein S27-like	51065
	GBA	glucosidase, beta; acid (includes glucosylceramidase)	2629
	CALD1	caldesmon 1	800
	ASB7	ankyrin repeat and SOCS box-containing 7	140460
	REEP3	receptor accessory protein 3	221035
	HIP1R	huntingtin interacting protein 1 related	9026
	SRPX2	sushi-repeat-containing protein, X-linked 2	27286
	EPS8L2	EPS8-like 2	64787
	IQGAP1	IQ motif containing GTPase activating protein 1	8826
	WHAMM	WAS protein homolog associated with actin, golgi membra	123720
	KIAA0040	KIAA0040	9674
	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atriona	4883
	SFXN3	sideroflexin 3	81855
	RFX5	regulatory factor X, 5 (influences HLA class II expression)	5993
	PPP1R15B	protein phosphatase 1, regulatory (inhibitor) subunit 15B	84919
	KCNMB3	potassium large conductance calcium-activated channel, s	27094
	NUDT16P	nudix (nucleoside diphosphate linked moiety X)-type moti	152195
	SYNJ2	synaptojanin 2	8871
	AACS	acetoacetyl-CoA synthetase	65985
	MOCOS	molybdenum cofactor sulfurase	55034
	HCFC2	host cell factor C2	29915
	ZFAND6	zinc finger, AN1-type domain 6	54469
	RASA3	RAS p21 protein activator 3	22821
	IL13RA1	interleukin 13 receptor, alpha 1	3597
	GAS6	growth arrest-specific 6	2621
	CPEB3	cytoplasmic polyadenylation element binding protein 3	22849
	STOM	stomatin	2040
	NR1D1	nuclear receptor subfamily 1, group D, member 1	9572
	HMG20A	high-mobility group 20A	10363
	RASAL2	RAS protein activator like 2	9462
	EAF2	ELL associated factor 2	55840
	SMCHD1	structural maintenance of chromosomes flexible hinge do	23347
	MT1JP	metallothionein 1J (pseudogene)	4498
	CALCOCO1	calcium binding and coiled-coil domain 1	57658
	STAT3	signal transducer and activator of transcription 3 (acute-ph	6774
	MEIS2	Meis homeobox 2	4212
	N4BP1	NEDD4 binding protein 1	9683
	SPIRE1	spire homolog 1 (Drosophila)	56907
	TMEM171	transmembrane protein 171	134285
	C1orf112	chromosome 1 open reading frame 112	55732
	FRK	fyn-related kinase	2444

	CNOT6L	CCR4-NOT transcription complex, subunit 6-like	246175
	MCTP2	multiple C2 domains, transmembrane 2	55784
	C1orf85	chromosome 1 open reading frame 85	112770
	STAT6	signal transducer and activator of transcription 6, interleukin-6-induced	6778
	ARL4A	ADP-ribosylation factor-like 4A	10124
	PLXNA2	plexin A2	5362
	C11orf63	chromosome 11 open reading frame 63	79864
	MLKL	mixed lineage kinase domain-like	197259
	ANKRD57	ankyrin repeat domain 57	65124
	AOC2	amine oxidase, copper containing 2 (retina-specific)	314
	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	57522
	LAMB1	laminin, beta 1	3912
	SCO2	SCO cytochrome oxidase deficient homolog 2 (yeast)	9997
	TULP4	tubby like protein 4	56995
	INO80D	INO80 complex subunit D	54891
	FANK1	fibronectin type III and ankyrin repeat domains 1	92565
	MSMB	microseminoprotein, beta-	4477
	SPPL2A	signal peptide peptidase-like 2A	84888
	SPOCK1	sparc/osteonectin, cwcv and kazal-like domains proteoglycan-associated core protein 1	6695
	MOCS1	molybdenum cofactor synthesis 1	4337
	OTUD7A	OTU domain containing 7A	161725
	ANKRD13A	ankyrin repeat domain 13A	88455
	XPR1	xenotropic and polytropic retrovirus receptor	9213
	KLHL2	kelch-like 2, Mayven (Drosophila)	11275
	ZCCHC6	zinc finger, CCHC domain containing 6	79670
	LIN9	lin-9 homolog (C. elegans)	286826
	TRIM26	tripartite motif-containing 26	7726
	PDE3B	phosphodiesterase 3B, cGMP-inhibited	5140
	ZNF701	zinc finger protein 701	55762
	RBPM5	RNA binding protein with multiple splicing	11030
	CLEC2B	C-type lectin domain family 2, member B	9976
	CAST	calpastatin	831
	NFASC	neurofascin homolog (chicken)	23114
	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	1594
	PRKD2	protein kinase D2	25865
	HLA-DRB3	major histocompatibility complex, class II, DR beta 3	3125
	GPR87	G protein-coupled receptor 87	53836
	FADS3	fatty acid desaturase 3	3995
	JMJD1C	jumonji domain containing 1C	221037
	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	9429
	POLR3C	polymerase (RNA) III (DNA directed) polypeptide C (62kD)	10623

	ARSK	arylsulfatase family, member K	153642
	MFGE8	milk fat globule-EGF factor 8 protein	4240
	MEIS3P1	Meis homeobox 3 pseudogene 1	4213
	C2orf67	chromosome 2 open reading frame 67	151050
	CDC42SE1	CDC42 small effector 1	56882
	JAZF1	JAZF zinc finger 1	221895
	TPCN1	two pore segment channel 1	53373
	PLIN3	perilipin 3	10226
	TTLL7	tubulin tyrosine ligase-like family, member 7	79739
	DUOXA1	dual oxidase maturation factor 1	90527
	HIST1H4F	histone cluster 1, H4f	8361
	FBXO2	F-box protein 2	26232
	POLK	polymerase (DNA directed) kappa	51426
	RHBDD2	rhomboid domain containing 2	57414
	LAMA3	laminin, alpha 3	3909
	HELB	helicase (DNA) B	92797
	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting Rho	84033
	IL18R1	interleukin 18 receptor 1	8809
	UTRN	utrophin	7402
	PARP4	poly (ADP-ribose) polymerase family, member 4	143
	KIAA1949	KIAA1949	170954
	MYO5A	myosin VA (heavy chain 12, myoxin)	4644
	DSE	dermatan sulfate epimerase	29940
	B3GNT3	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransfe	10331
	PSORS1C1	psoriasis susceptibility 1 candidate 1	170679
	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-ce	9641
	PODXL	podocalyxin-like	5420
	APOBEC3F	apolipoprotein B mRNA editing enzyme, catalytic polypept	200316
	SERPINB8	serpin peptidase inhibitor, clade B (ovalbumin), member 8	5271
	PTAR1	protein prenyltransferase alpha subunit repeat containing	375743
	PATL2	protein associated with topoisomerase II homolog 2 (yeast	197135
	ANKIB1	ankyrin repeat and IBR domain containing 1	54467
	MYADM	myeloid-associated differentiation marker	91663
	TNS3	tensin 3	64759
	MAP2K1	mitogen-activated protein kinase kinase 1	5604
	RASEF	RAS and EF-hand domain containing	158158
	RHOD	ras homolog gene family, member D	29984
	STAC	SH3 and cysteine rich domain	6769
	SSH3	slingshot homolog 3 (Drosophila)	54961
	RNLS	renalase, FAD-dependent amine oxidase	55328
	KBTBD2	kelch repeat and BTB (POZ) domain containing 2	25948

	C7orf23	chromosome 7 open reading frame 23	79161
	CPM	carboxypeptidase M	1368
	PCDH7	protocadherin 7	5099
	RNF111	ring finger protein 111	54778
	SHISA4	shisa homolog 4 (<i>Xenopus laevis</i>)	149345
	TNFSF15	tumor necrosis factor (ligand) superfamily, member 15	9966
	SLC24A6	solute carrier family 24 (sodium/potassium/calcium excha	80024
	RAB25	RAB25, member RAS oncogene family	57111
	C5orf37	chromosome 5 open reading frame 37	134359
	ZDHHC1	zinc finger, DHHC-type containing 1	29800
	ECHDC2	enoyl Coenzyme A hydratase domain containing 2	55268
	COQ10B	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	80219
	PARP8	poly (ADP-ribose) polymerase family, member 8	79668
	RAB7L1	RAB7, member RAS oncogene family-like 1	8934
	VWDE	von Willebrand factor D and EGF domains	221806
	PON2	paraoxonase 2	5445
	KIAA0513	KIAA0513	9764
	CDK8	cyclin-dependent kinase 8	1024
	MYD88	myeloid differentiation primary response gene (88)	4615
	SBNO2	strawberry notch homolog 2 (<i>Drosophila</i>)	22904
	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	23236
	RFX7	regulatory factor X, 7	64864
	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal cerami	56624
	PEA15	phosphoprotein enriched in astrocytes 15	8682
	GNAQ	guanine nucleotide binding protein (G protein), q polypept	2776
	KCNMB4	potassium large conductance calcium-activated channel, s	27345
	WDR47	WD repeat domain 47	22911
	MT2A	metallothionein 2A	4502
	KCNMB3	potassium large conductance calcium-activated channel, s	27094
	MAP3K7IP2	mitogen-activated protein kinase kinase kinase 7 interacti	23118
	ZNF608	zinc finger protein 608	57507
	C10orf54	chromosome 10 open reading frame 54	64115
	ARPC1B	actin related protein 2/3 complex, subunit 1B, 41kDa	10095
	PSEN2	presenilin 2 (Alzheimer disease 4)	5664
	BHLHE41	basic helix-loop-helix family, member e41	79365
	IKZF3	IKAROS family zinc finger 3 (<i>Aiolos</i>)	22806
	SLC38A5	solute carrier family 38, member 5	92745
	STK10	serine/threonine kinase 10	6793
	ZNF778	zinc finger protein 778	197320
	KIAA1033	KIAA1033	23325
	BMPR1B	bone morphogenetic protein receptor, type IB	658

	HRH1	histamine receptor H1	3269
	SLC12A7	solute carrier family 12 (potassium/chloride transporters),	10723
	EFNA1	ephrin-A1	1942
	ZBP1	Z-DNA binding protein 1	81030
	CCPG1	cell cycle progression 1	9236
	TAPBP	TAP binding protein (tapasin)	6892
	GPC1	glypican 1	2817
	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like	81488
	DST	dystonin	667
	SETDB2	SET domain, bifurcated 2	83852
	BHLHE40	basic helix-loop-helix family, member e40	8553
	PTRF	polymerase I and transcript release factor	284119
	SMOC1	SPARC related modular calcium binding 1	64093
	SERTAD4	SERTA domain containing 4	56256
	IRF6	interferon regulatory factor 6	3664
	TMEM79	transmembrane protein 79	84283
	MYO5B	myosin VB	4645
	MAPK6	mitogen-activated protein kinase 6	5597
	SYT14	synaptotagmin XIV	255928
	SEMA4C	sema domain, immunoglobulin domain (Ig), transmembra	54910
	C19orf21	chromosome 19 open reading frame 21	126353
	MASTL	microtubule associated serine/threonine kinase-like	84930
	LPCAT2	lysophosphatidylcholine acyltransferase 2	54947
	C5orf30	chromosome 5 open reading frame 30	90355
	C10orf118	chromosome 10 open reading frame 118	55088
	NGB	neuroglobin	58157
	OTUD1	OTU domain containing 1	220213
	CASP7	caspase 7, apoptosis-related cysteine peptidase	840
	XRCC4	X-ray repair complementing defective repair in Chinese ha	7518
	ELF1	E74-like factor 1 (ets domain transcription factor)	1997
	CSF1	colony stimulating factor 1 (macrophage)	1435
	XRN1	5'-3' exoribonuclease 1	54464
	NCOA7	nuclear receptor coactivator 7	135112
	SLFN5	schlafen family member 5	162394
	C1QTNF6	C1q and tumor necrosis factor related protein 6	114904
	NUB1	negative regulator of ubiquitin-like proteins 1	51667
	RICS	Rho GTPase-activating protein	9743
	SORBS2	sorbin and SH3 domain containing 2	8470
	IL15RA	interleukin 15 receptor, alpha	3601
	UNC5B	unc-5 homolog B (C. elegans)	219699
	SMAD3	SMAD family member 3	4088

	TAPBP	TAP binding protein (tapasin)	6892
	LIPH	lipase, member H	200879
	DCLRE1C	DNA cross-link repair 1C (PSO2 homolog, <i>S. cerevisiae</i>)	64421
	BMP4	bone morphogenetic protein 4	652
	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like	81488
	ELF3	E74-like factor 3 (ets domain transcription factor, epithelia	1999
	UBE2Q2	ubiquitin-conjugating enzyme E2Q family member 2	92912
	C6orf62	chromosome 6 open reading frame 62	81688
	MCAM	melanoma cell adhesion molecule	4162
	COL4A2	collagen, type IV, alpha 2	1284
	OSMR	oncostatin M receptor	9180
	GLCE	glucuronic acid epimerase	26035
	NRP1	neuropilin 1	8829
	TAPBP	TAP binding protein (tapasin)	6892
	F2R	coagulation factor II (thrombin) receptor	2149
	LPAR6	lysophosphatidic acid receptor 6	10161
	KLF4	Kruppel-like factor 4 (gut)	9314
	ENAH	enabled homolog (<i>Drosophila</i>)	55740
	ADAM12	ADAM metallopeptidase domain 12	8038
	VDR	vitamin D (1,25- dihydroxyvitamin D3) receptor	7421
	SULT1A2	sulfotransferase family, cytosolic, 1A, phenol-preferring, m	6799
	SCARNA17	small Cajal body-specific RNA 17	677769
	MT2A	metallothionein 2A	4502
	VAV2	vav 2 guanine nucleotide exchange factor	7410
	MFF	mitochondrial fission factor	56947
	LIMA1	LIM domain and actin binding 1	51474
	LOXL2	lysyl oxidase-like 2	4017
	TMEM45B	transmembrane protein 45B	120224
	LOC400590	hypothetical LOC400590	400590
	RIPK3	receptor-interacting serine-threonine kinase 3	11035
	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	3119
	KLF10	Kruppel-like factor 10	7071
	ABHD3	abhydrolase domain containing 3	171586
	VPS13C	vacuolar protein sorting 13 homolog C (<i>S. cerevisiae</i>)	54832
	TRIP12	thyroid hormone receptor interactor 12	9320
	IL12RB2	interleukin 12 receptor, beta 2	3595
	TINAGL1	tubulointerstitial nephritis antigen-like 1	64129
	TMC7	transmembrane channel-like 7	79905
	C13orf31	chromosome 13 open reading frame 31	144811
	CFHR1	complement factor H-related 1	3078
	CD109	CD109 molecule	135228

	LACTB	lactamase, beta	114294
	WARS	tryptophanyl-tRNA synthetase	7453
	TMEM62	transmembrane protein 62	80021
	ADAM10	ADAM metallopeptidase domain 10	102
	PLEKHF1	pleckstrin homology domain containing, family F (with FYV	79156
	LPAR1	lysophosphatidic acid receptor 1	1902
	DFNA5	deafness, autosomal dominant 5	1687
	USP8	ubiquitin specific peptidase 8	9101
	GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2 (beta-1,6-N-a	51301
	UFM1	ubiquitin-fold modifier 1	51569
	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, sma	5880
	CMYA5	cardiomyopathy associated 5	202333
	AVPI1	arginine vasopressin-induced 1	60370
	FAM46A	family with sequence similarity 46, member A	55603
	RNF115	ring finger protein 115	27246
	GPRC5B	G protein-coupled receptor, family C, group 5, member B	51704
	IL4R	interleukin 4 receptor	3566
	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	5924
	GALNT6	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acety	11226
	LRG1	leucine-rich alpha-2-glycoprotein 1	116844
	PRR15	proline rich 15	222171
	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6	5269
	EPPK1	epiplakin 1	83481
	HIST3H2A	histone cluster 3, H2a	92815
	SULT1A3	sulfotransferase family, cytosolic, 1A, phenol-preferring, m	6818
	PTAFR	platelet-activating factor receptor	5724
	ALG11	asparagine-linked glycosylation 11, alpha-1,2-mannosyltra	440138
	FBXO17	F-box protein 17	115290
	GNAQ	guanine nucleotide binding protein (G protein), q polypept	2776
	JAK2	Janus kinase 2	3717
	PTPRE	protein tyrosine phosphatase, receptor type, E	5791
	BNC1	basonuclin 1	646
	DUOX2	dual oxidase 2	50506
	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	2202
	BAZ2B	bromodomain adjacent to zinc finger domain, 2B	29994
	AP4E1	adaptor-related protein complex 4, epsilon 1 subunit	23431
	SLC6A2	solute carrier family 6 (neurotransmitter transporter, nora	6530
	SEC24D	SEC24 family, member D (<i>S. cerevisiae</i>)	9871
	CCRL1	chemokine (C-C motif) receptor-like 1	51554
	THSD1	thrombospondin, type I, domain containing 1	55901
	EPAG	early lymphoid activation protein	10824

		CRAT	carnitine acetyltransferase	1384
		AMPD3	adenosine monophosphate deaminase (isoform E)	272
		GPR176	G protein-coupled receptor 176	11245
		GTPBP2	GTP binding protein 2	54676
		TBC1D2	TBC1 domain family, member 2	55357
		TTC23	tetratricopeptide repeat domain 23	64927
		PRSS22	protease, serine, 22	64063
		PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase	55251
		PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase	55251
		GNA15	guanine nucleotide binding protein (G protein), alpha 15 (G)	2769
		CD70	CD70 molecule	970
		AMY1A	amylase, alpha 1A (salivary)	276
		AMY1A	amylase, alpha 1A (salivary)	276
		AMY1A	amylase, alpha 1A (salivary)	276
		IGF1R	insulin-like growth factor 1 receptor	3480
		YPEL2	yippee-like 2 (Drosophila)	388403
		ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3)	3675
		VWA5A	von Willebrand factor A domain containing 5A	4013
		SLC25A28	solute carrier family 25, member 28	81894
		FAM188B	family with sequence similarity 188, member B	84182
		ANXA3	annexin A3	306
		AGFG1	ArfGAP with FG repeats 1	3267
		TRIM25	tripartite motif-containing 25	7706
		ANKH	ankylosis, progressive homolog (mouse)	56172
		LOC388022	hypothetical gene supported by AK131040	388022
		PORCN	porcupine homolog (Drosophila)	64840
		TNFRSF14	tumor necrosis factor receptor superfamily, member 14 (human)	8764
		OSTM1	osteopetrosis associated transmembrane protein 1	28962
		MEF2A	myocyte enhancer factor 2A	4205
		PRRG1	proline rich Gla (G-carboxyglutamic acid) 1	5638
		MSL3	male-specific lethal 3 homolog (Drosophila)	10943
		PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	5699
		NHLRC3	NHL repeat containing 3	387921
		SULT1A3	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3	6818
		STK17B	serine/threonine kinase 17b	9262
		TPM1	tropomyosin 1 (alpha)	7168
		CFLAR	CASP8 and FADD-like apoptosis regulator	8837
		TGM1	transglutaminase 1 (K polypeptide epidermal type I, proteinase 3)	7051
		C5orf41	chromosome 5 open reading frame 41	153222
		BST2	bone marrow stromal cell antigen 2	684
		SLC27A2	solute carrier family 27 (fatty acid transporter), member 2	11001

	ZNF431	zinc finger protein 431	170959
	MAPRE2	microtubule-associated protein, RP/EB family, member 2	10982
	LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	3959
	ABAT	4-aminobutyrate aminotransferase	18
	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	9208
	DUSP5	dual specificity phosphatase 5	1847
	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein	1601
	PHF15	PHD finger protein 15	23338
	MTMR10	myotubularin related protein 10	54893
	CSNK1G1	casein kinase 1, gamma 1	53944
	KLF7	Kruppel-like factor 7 (ubiquitous)	8609
	TRIM14	tripartite motif-containing 14	9830
	RICTOR	RPTOR independent companion of MTOR, complex 2	253260
	PTK6	PTK6 protein tyrosine kinase 6	5753
	SMPDL3B	sphingomyelin phosphodiesterase, acid-like 3B	27293
	C12orf56	chromosome 12 open reading frame 56	115749
	CPEB1	cytoplasmic polyadenylation element binding protein 1	64506
	PDE8A	phosphodiesterase 8A	5151
	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	3678
	RAB19	RAB19, member RAS oncogene family	401409
	CADPS2	Ca ⁺⁺ -dependent secretion activator 2	93664
	PGM2L1	phosphoglucomutase 2-like 1	283209
	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M recep	3572
	RASSF6	Ras association (RalGDS/AF-6) domain family member 6	166824
	RAB27A	RAB27A, member RAS oncogene family	5873
	APOL3	apolipoprotein L, 3	80833
	RHOF	ras homolog gene family, member F (in filopodia)	54509
	FLJ32810	Rho-type GTPase-activating protein FLJ32810	143872
	SLC38A4	solute carrier family 38, member 4	55089
	C9orf167	chromosome 9 open reading frame 167	54863
	CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich car	10370
	FILIP1L	filamin A interacting protein 1-like	11259
	SERINC2	serine incorporator 2	347735
	EMB	embigin homolog (mouse)	133418
	SECISBP2L	SECIS binding protein 2-like	9728
	MICB	MHC class I polypeptide-related sequence B	4277
	TMOD3	tropomodulin 3 (ubiquitous)	29766
	TMEM133	transmembrane protein 133	83935
	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	8737
	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	5366
	REPS2	RALBP1 associated Eps domain containing 2	9185

	STEAP3	STEAP family member 3	55240
	UNC93B1	unc-93 homolog B1 (<i>C. elegans</i>)	81622
	IRS1	insulin receptor substrate 1	3667
	TTYH2	tweety homolog 2 (<i>Drosophila</i>)	94015
	C1orf116	chromosome 1 open reading frame 116	79098
	TLL2	tolloid-like 2	7093
	ARL14	ADP-ribosylation factor-like 14	80117
	STARD3NL	STARD3 N-terminal like	83930
	TEX9	testis expressed 9	374618
	CTSH	cathepsin H	1512
	ASB9	ankyrin repeat and SOCS box-containing 9	140462
	LCA5	Leber congenital amaurosis 5	167691
	STAT5A	signal transducer and activator of transcription 5A	6776
	SNX33	sorting nexin 33	257364
	PLEKHA7	pleckstrin homology domain containing, family A member	144100
	TBC1D2B	TBC1 domain family, member 2B	23102
	CXCL2	chemokine (C-X-C motif) ligand 2	2920
	SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase)	788
	BCAR3	breast cancer anti-estrogen resistance 3	8412
	TRAFD1	TRAF-type zinc finger domain containing 1	10906
	PADI1	peptidyl arginine deiminase, type I	29943
	UBE2L6	ubiquitin-conjugating enzyme E2L 6	9246
	PLAUR	plasminogen activator, urokinase receptor	5329
	AS3MT	arsenic (+3 oxidation state) methyltransferase	57412
	FAM63B	family with sequence similarity 63, member B	54629
	MT2A	metallothionein 2A	4502
	ELAVL2	ELAV (embryonic lethal, abnormal vision, <i>Drosophila</i>)-like	1993
	HIVP2	human immunodeficiency virus type I enhancer binding pr	3097
	IGF1R	insulin-like growth factor 1 receptor	3480
	LOC129293	hypothetical protein LOC129293	129293
	HLA-DMA	major histocompatibility complex, class II, DM alpha	3108
	HLA-DMA	major histocompatibility complex, class II, DM alpha	3108
	COL4A1	collagen, type IV, alpha 1	1282
	BLZF1	basic leucine zipper nuclear factor 1	8548
	ERAP1	endoplasmic reticulum aminopeptidase 1	51752
	FNDC3A	fibronectin type III domain containing 3A	22862
	OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	4973
	HLA-DMA	major histocompatibility complex, class II, DM alpha	3108
	PCDH1	protocadherin 1	5097
	LHFP	lipoma HMGIC fusion partner	10186
	ZFP36	zinc finger protein 36, C3H type, homolog (mouse)	7538

		LIFR	leukemia inhibitory factor receptor alpha	3977
		RAB8B	RAB8B, member RAS oncogene family	51762
		TNIK	TRAF2 and NCK interacting kinase	23043
		NTN4	netrin 4	59277
		PDE4DIP	phosphodiesterase 4D interacting protein	9659
		SAA1	serum amyloid A1	6288
		TJP2	tight junction protein 2 (zona occludens 2)	9414
		C10orf10	chromosome 10 open reading frame 10	11067
		PARP12	poly (ADP-ribose) polymerase family, member 12	64761
		HLA-DQB2	major histocompatibility complex, class II, DQ beta 2	3120
		EFTUD1	elongation factor Tu GTP binding domain containing 1	79631
		RGNEF	Rho-guanine nucleotide exchange factor	64283
		ADAR	adenosine deaminase, RNA-specific	103
		BAK1	BCL2-antagonist/killer 1	578
		ADRB2	adrenergic, beta-2-, receptor, surface	154
		MVP	major vault protein	9961
		ERG	v-ets erythroblastosis virus E26 oncogene homolog (avian)	2078
		FHOD3	formin homology 2 domain containing 3	80206
		PION	pigeon homolog (Drosophila)	54103
		PRR5L	proline rich 5 like	79899
		ETV7	ets variant 7	51513
		DOC2B	double C2-like domains, beta	8447
		FXYD5	FXYD domain containing ion transport regulator 5	53827
		RNF19B	ring finger protein 19B	127544
		JUNB	jun B proto-oncogene	3726
		MNS1	meiosis-specific nuclear structural 1	55329
		GSN	gelsolin (amyloidosis, Finnish type)	2934
		FAM40B	family with sequence similarity 40, member B	57464
		COL12A1	collagen, type XII, alpha 1	1303
		TNFAIP3	tumor necrosis factor, alpha-induced protein 3	7128
		DIO2	deiodinase, iodothyronine, type II	1734
		CLU	clusterin	1191
		IRF7	interferon regulatory factor 7	3665
		SLC39A8	solute carrier family 39 (zinc transporter), member 8	64116
		RAB27B	RAB27B, member RAS oncogene family	5874
		SLC12A6	solute carrier family 12 (potassium/chloride transporters),	9990
		PAQR5	progesterin and adipoQ receptor family member V	54852
		SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1	1992
		PAM	peptidylglycine alpha-amidating monooxygenase	5066
		HIST3H2BB	histone cluster 3, H2bb	128312
		CORO6	coronin 6	84940

	MAP2	microtubule-associated protein 2	4133
	ODF2L	outer dense fiber of sperm tails 2-like	57489
	SGK1	serum/glucocorticoid regulated kinase 1	6446
	KCNK5	potassium channel, subfamily K, member 5	8645
	BTN3A1	butyrophilin, subfamily 3, member A1	11119
	MICB	MHC class I polypeptide-related sequence B	4277
	SLC16A4	solute carrier family 16, member 4 (monocarboxylic acid t	9122
	PNPT1	polyribonucleotide nucleotidyltransferase 1	87178
	SLC41A2	solute carrier family 41, member 2	84102
	BIRC3	baculoviral IAP repeat-containing 3	330
	HLA-DQB2	major histocompatibility complex, class II, DQ beta 2	3120
	AMY2A	amylase, alpha 2A (pancreatic)	279
	PELO	pelota homolog (Drosophila)	53918
	TMEM173	transmembrane protein 173	340061
	SLC35D2	solute carrier family 35, member D2	11046
	GPR126	G protein-coupled receptor 126	57211
	DRAM1	DNA-damage regulated autophagy modulator 1	55332
	HIST2H2BF	histone cluster 2, H2bf	440689
	ITPR2	inositol 1,4,5-triphosphate receptor, type 2	3709
	LHFPL2	lipoma HMGIC fusion partner-like 2	10184
	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase	55251
	C3orf67	chromosome 3 open reading frame 67	200844
	GPNMB	glycoprotein (transmembrane) nmb	10457
	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	8854
	BLNK	B-cell linker	29760
	GULP1	GULP, engulfment adaptor PTB domain containing 1	51454
	UCA1	urothelial cancer associated 1 (non-protein coding)	652995
	TBC1D2B	TBC1 domain family, member 2B	23102
	PPM1K	protein phosphatase 1K (PP2C domain containing)	152926
	SOCS3	suppressor of cytokine signaling 3	9021
	ITGB8	integrin, beta 8	3696
	MPZL2	myelin protein zero-like 2	10205
	VWDE	von Willebrand factor D and EGF domains	221806
	SH3BGRL2	SH3 domain binding glutamic acid-rich protein like 2	83699
	CAB39	calcium binding protein 39	51719
	HOMER3	homer homolog 3 (Drosophila)	9454
	GRAMD3	GRAM domain containing 3	65983
	BTN3A2	butyrophilin, subfamily 3, member A2	11118
	CDH13	cadherin 13, H-cadherin (heart)	1012
	AREG	amphiregulin	374
	SPATS2L	spermatogenesis associated, serine-rich 2-like	26010

	GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannos	10020
	CYLD	cylindromatosis (turban tumor syndrome)	1540
	KCNN4	potassium intermediate/small conductance calcium-activa	3783
	PLEKHA4	pleckstrin homology domain containing, family A (phospho	57664
	PRIC285	peroxisomal proliferator-activated receptor A interacting c	85441
	DENND4C	DENN/MADD domain containing 4C	55667
	HEG1	HEG homolog 1 (zebrafish)	57493
	PION	pigeon homolog (Drosophila)	54103
	PLAU	plasminogen activator, urokinase	5328
	MMP28	matrix metalloproteinase 28	79148
	HLA-C	major histocompatibility complex, class I, C	3107
	MORN4	MORN repeat containing 4	118812
	NKX1-2	NK1 homeobox 2	390010
	PRSS23	protease, serine, 23	11098
	EDNRA	endothelin receptor type A	1909
	LAP3	leucine aminopeptidase 3	51056
	LRP1B	low density lipoprotein-related protein 1B (deleted in tum	53353
	SQRDL	sulfide quinone reductase-like (yeast)	58472
	POPDC3	popeye domain containing 3	64208
	GSDMB	gasdermin B	55876
	DNAJB4	DnaJ (Hsp40) homolog, subfamily B, member 4	11080
	HLA-E	major histocompatibility complex, class I, E	3133
	EHD4	EH-domain containing 4	30844
	PALMD	palmdelphin	54873
	HLA-C	major histocompatibility complex, class I, C	3107
	RARRES3	retinoic acid receptor responder (tazarotene induced) 3	5920
	BATF2	basic leucine zipper transcription factor, ATF-like 2	116071
	TRIM6-TRIM34	TRIM6-TRIM34 readthrough transcript	445372
	NT5C3	5'-nucleotidase, cytosolic III	51251
	LGALS1	lectin, galactoside-binding, soluble, 1	3956
	GSDMC	gasdermin C	56169
	ERAP2	endoplasmic reticulum aminopeptidase 2	64167
	CRABP2	cellular retinoic acid binding protein 2	1382
	HLA-E	major histocompatibility complex, class I, E	3133
	HLA-E	major histocompatibility complex, class I, E	3133
	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase c	55251
	TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosc	10312
	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium-dependen	5321
	TSPYL5	TSPY-like 5	85453
	TAOK3	TAO kinase 3	51347
	SNX7	sorting nexin 7	51375

		FAS	Fas (TNF receptor superfamily, member 6)	355
		MT1F	metallothionein 1F	4494
		MUC20	mucin 20, cell surface associated	200958
		FGD6	FYVE, RhoGEF and PH domain containing 6	55785
		LRMP	lymphoid-restricted membrane protein	4033
		HLA-DRA	major histocompatibility complex, class II, DR alpha	3122
		ATF3	activating transcription factor 3	467
		HLA-G	major histocompatibility complex, class I, G	3135
		INPP1	inositol polyphosphate-1-phosphatase	3628
		CXCL1	chemokine (C-X-C motif) ligand 1 (melanoma growth stimu	2919
		AREG	amphiregulin	374
		FOSB	FBJ murine osteosarcoma viral oncogene homolog B	2354
		GLT8D2	glycosyltransferase 8 domain containing 2	83468
		DBC1	deleted in bladder cancer 1	1620
		GBP5	guanylate binding protein 5	115362
		GATA3	GATA binding protein 3	2625
		HIST2H2BF	histone cluster 2, H2bf	440689
		SERPINB13	serpin peptidase inhibitor, clade B (ovalbumin), member 1	5275
		EPAS1	endothelial PAS domain protein 1	2034
		CMTM7	CKLF-like MARVEL transmembrane domain containing 7	112616
		AMIGO2	adhesion molecule with Ig-like domain 2	347902
		HLA-A	major histocompatibility complex, class I, A	3105
		FAM129A	family with sequence similarity 129, member A	116496
		CD36	CD36 molecule (thrombospondin receptor)	948
		PTPRB	protein tyrosine phosphatase, receptor type, B	5787
		TRERF1	transcriptional regulating factor 1	55809
		TLR4	toll-like receptor 4	7099
		ST5	suppression of tumorigenicity 5	6764
		HLA-DRA	major histocompatibility complex, class II, DR alpha	3122
		LMO7	LIM domain 7	4008
		CARD6	caspase recruitment domain family, member 6	84674
		HSH2D	hematopoietic SH2 domain containing	84941
		CFHR1	complement factor H-related 1	3078
		EMP3	epithelial membrane protein 3	2014
		HLA-A	major histocompatibility complex, class I, A	3105
		CEACAM1	carcinoembryonic antigen-related cell adhesion molecule	634
		PCLO	piccolo (presynaptic cytomatrix protein)	27445
		DUSP6	dual specificity phosphatase 6	1848
		CTGF	connective tissue growth factor	1490
		TP53I3	tumor protein p53 inducible protein 3	9540
		PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase	55251

	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase	55251
	MUC4	mucin 4, cell surface associated	4585
	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	9208
	SLC37A2	solute carrier family 37 (glycerol-3-phosphate transporter)	219855
	MACC1	metastasis associated in colon cancer 1	346389
	CD86	CD86 molecule	942
	TIMP2	TIMP metalloproteinase inhibitor 2	7077
	KLF6	Kruppel-like factor 6	1316
	RASSF5	Ras association (RalGDS/AF-6) domain family member 5	83593
	TCN2	transcobalamin II; macrocytic anemia	6948
	HLA-J	major histocompatibility complex, class I, J (pseudogene)	3137
	IRF9	interferon regulatory factor 9	10379
	CAMK4	calcium/calmodulin-dependent protein kinase IV	814
	ARHGAP23	Rho GTPase activating protein 23	57636
	HLA-G	major histocompatibility complex, class I, G	3135
	HLA-G	major histocompatibility complex, class I, G	3135
	GPRC5A	G protein-coupled receptor, family C, group 5, member A	9052
	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	5610
	CLDN1	claudin 1	9076
	OPTN	optineurin	10133
	IFI16	interferon, gamma-inducible protein 16	3428
	CCDC68	coiled-coil domain containing 68	80323
	IGFBP7	insulin-like growth factor binding protein 7	3490
	RAB30	RAB30, member RAS oncogene family	27314
	LYPD1	LY6/PLAUR domain containing 1	116372
	SP140L	SP140 nuclear body protein-like	93349
	CYBA	cytochrome b-245, alpha polypeptide	1535
	DNAH5	dynein, axonemal, heavy chain 5	1767
	SIAE	sialic acid acetyltransferase	54414
	B2M	beta-2-microglobulin	567
	IL1B	interleukin 1, beta	3553
	PDZD2	PDZ domain containing 2	23037
	ASAM	adipocyte-specific adhesion molecule	79827
	SOCS2	suppressor of cytokine signaling 2	8835
	CCL5	chemokine (C-C motif) ligand 5	6352
	CYB5A	cytochrome b5 type A (microsomal)	1528
	TSPAN1	tetraspanin 1	10103
	NLRC5	NLR family, CARD domain containing 5	84166
	TIMP1	TIMP metalloproteinase inhibitor 1	7076
	HLA-A	major histocompatibility complex, class I, A	3105
	RABGAP1L	RAB GTPase activating protein 1-like	9910










		TLR3	toll-like receptor 3	7098
		EYA2	eyes absent homolog 2 (Drosophila)	2139
		C19orf66	chromosome 19 open reading frame 66	55337
		ZNFX1	zinc finger, NFX1-type containing 1	57169
		CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	1573
		KIAA1370	KIAA1370	56204
		HDAC9	histone deacetylase 9	9734
		PHF11	PHD finger protein 11	51131
		LXN	latexin	56925
		ST6GAL1	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	6480
		DUSP1	dual specificity phosphatase 1	1843
		CA2	carbonic anhydrase II	760
		FERMT2	fermitin family homolog 2 (Drosophila)	10979
		PML	promyelocytic leukemia	5371
		SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1	5274
		ICAM1	intercellular adhesion molecule 1	3383
		TRIM5	tripartite motif-containing 5	85363
		BTN3A3	butyrophilin, subfamily 3, member A3	10384
		MXD1	MAX dimerization protein 1	4084
		HLA-DRA	major histocompatibility complex, class II, DR alpha	3122
		HLA-J	major histocompatibility complex, class I, J (pseudogene)	3137
		TM4SF19	transmembrane 4 L six family member 19	116211
		GPR110	G protein-coupled receptor 110	266977
		IL1RN	interleukin 1 receptor antagonist	3557
		C1orf21	chromosome 1 open reading frame 21	81563
		DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12	56521
		UGCG	UDP-glucose ceramide glucosyltransferase	7357
		TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TA	6891
		GLCCI1	glucocorticoid induced transcript 1	113263
		TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TA	6891
		IL1R1	interleukin 1 receptor, type I	3554
		FRMD5	FERM domain containing 5	84978
		GPR37	G protein-coupled receptor 37 (endothelin receptor type B	2861
		TFPI2	tissue factor pathway inhibitor 2	7980
		CA13	carbonic anhydrase XIII	377677
		FLI1	Friend leukemia virus integration 1	2313
		TRIM38	tripartite motif-containing 38	10475
		TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TA	6891
		SLC47A2	solute carrier family 47, member 2	146802
		CXXC5	CXXC finger 5	51523
		ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avia	2113

	HLA-B	major histocompatibility complex, class I, B	3106
	KIAA0495	KIAA0495	57212
	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (l	5696
	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (l	5696
	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (l	5696
	NMI	N-myc (and STAT) interactor	9111
	NEDD4	neural precursor cell expressed, developmentally down-re	4734
	PLSCR1	phospholipid scramblase 1	5359
	ALCAM	activated leukocyte cell adhesion molecule	214
	F3	coagulation factor III (thromboplastin, tissue factor)	2152
	FKBP5	FK506 binding protein 5	2289
	TDRD7	tudor domain containing 7	23424
	SERPINB7	serpin peptidase inhibitor, clade B (ovalbumin), member 7	8710
	TRIM21	tripartite motif-containing 21	6737
	TRERF1	transcriptional regulating factor 1	55809
	APOL6	apolipoprotein L, 6	80830
	CAMK2N1	calcium/calmodulin-dependent protein kinase II inhibitor	55450
	CH25H	cholesterol 25-hydroxylase	9023
	HLA-B	major histocompatibility complex, class I, B	3106
	DTX3L	deltex 3-like (Drosophila)	151636
	HIST1H3J	histone cluster 1, H3j	8356
	IDO1	indoleamine 2,3-dioxygenase 1	3620
	CTSS	cathepsin S	1520
	FGF5	fibroblast growth factor 5	2250
	NT5C3	5'-nucleotidase, cytosolic III	51251
	C9orf84	chromosome 9 open reading frame 84	158401
	TGFBI	transforming growth factor, beta-induced, 68kDa	7045
	HLA-B	major histocompatibility complex, class I, B	3106
	SYNPO2	synaptopodin 2	171024
	SAMHD1	SAM domain and HD domain 1	25939
	PDCD1LG2	programmed cell death 1 ligand 2	80380
	DUSP10	dual specificity phosphatase 10	11221
	LAMB2	laminin, beta 2 (laminin S)	3913
	FAM83A	family with sequence similarity 83, member A	84985
	EDIL3	EGF-like repeats and discoidin I-like domains 3	10085
	PARP14	poly (ADP-ribose) polymerase family, member 14	54625
	EPHX3	epoxide hydrolase 3	79852
	SEMA3D	sema domain, immunoglobulin domain (Ig), short basic do	223117
	CDH6	cadherin 6, type 2, K-cadherin (fetal kidney)	1004
	HLA-F	major histocompatibility complex, class I, F	3134
	NRG4	neuregulin 4	145957

		ARSI	arylsulfatase family, member I	340075
		USP18	ubiquitin specific peptidase 18	11274
		MUC1	mucin 1, cell surface associated	4582
		GIPC2	GIPC PDZ domain containing family, member 2	54810
		SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid t	9194
		HLA-F	major histocompatibility complex, class I, F	3134
		HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	3119
		IFIT5	interferon-induced protein with tetratricopeptide repeats	24138
		C16orf62	chromosome 16 open reading frame 62	57020
		HTR7	5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyc	3363
		IFITM3	interferon induced transmembrane protein 3 (1-8U)	10410
		CARD11	caspase recruitment domain family, member 11	84433
		SATB1	SATB homeobox 1	6304
		IFITM2	interferon induced transmembrane protein 2 (1-8D)	10581
		DHX58	DEXH (Asp-Glu-X-His) box polypeptide 58	79132
		HLA-F	major histocompatibility complex, class I, F	3134
		PRR16	proline rich 16	51334
		STARD5	StAR-related lipid transfer (START) domain containing 5	80765
		IRF1	interferon regulatory factor 1	3659
		CXCL11	chemokine (C-X-C motif) ligand 11	6373
		ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	19
		IL7	interleukin 7	3574
		AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxy	8644
		MAN1A1	mannosidase, alpha, class 1A, member 1	4121
		LAMP3	lysosomal-associated membrane protein 3	27074
		STAT2	signal transducer and activator of transcription 2, 113kDa	6773
		KIAA1618	KIAA1618	57714
		NT5C3	5'-nucleotidase, cytosolic III	51251
		PROS1	protein S (alpha)	5627
		FBXO32	F-box protein 32	114907
		PROM2	prominin 2	150696
		KYNU	kynureninase (L-kynurenine hydrolase)	8942
		CCNA1	cyclin A1	8900
		RNF213	ring finger protein 213	57674
		PBX3	pre-B-cell leukemia homeobox 3	5090
		VIM	vimentin	7431
		LRRN1	leucine rich repeat neuronal 1	57633
		OASL	2'-5'-oligoadenylate synthetase-like	8638
		FEZ1	fasciculation and elongation protein zeta 1 (zygin I)	9638
		AMTN	amelotin	401138
		SP100	SP100 nuclear antigen	6672

	PROS1	protein S (alpha)	5627
	LBA1	lupus brain antigen 1	9881
	TMEM27	transmembrane protein 27	57393
	GBP3	guanylate binding protein 3	2635
	HERC6	hect domain and RLD 6	55008
	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TA	6890
	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TA	6890
	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TA	6890
	MUM1L1	melanoma associated antigen (mutated) 1-like 1	139221
	ADAM28	ADAM metallopeptidase domain 28	10863
	IFI35	interferon-induced protein 35	3430
	PVRL3	poliovirus receptor-related 3	25945
	NIACR1	niacin receptor 1	338442
	CFB	complement factor B	629
	HSPA2	heat shock 70kDa protein 2	3306
	CFB	complement factor B	629
	ACSL5	acyl-CoA synthetase long-chain family member 5	51703
	CFB	complement factor B	629
	USP18	ubiquitin specific peptidase 18	11274
	GDF15	growth differentiation factor 15	9518
	SLC43A3	solute carrier family 43, member 3	29015
	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (I	5698
	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (I	5698
	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (I	5698
	PARP9	poly (ADP-ribose) polymerase family, member 9	83666
	CD274	CD274 molecule	29126
	KRT7	keratin 7	3855
	SAA2	serum amyloid A2	6289
	SLFN11	schlafen family member 11	91607
	CCL2	chemokine (C-C motif) ligand 2	6347
	IL1A	interleukin 1, alpha	3552
	MAL	mal, T-cell differentiation protein	4118
	FAR2	fatty acyl CoA reductase 2	55711
	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	3119
	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	3119
	STAT1	signal transducer and activator of transcription 1, 91kDa	6772
	GBP2	guanylate binding protein 2, interferon-inducible	2634
	CCDC80	coiled-coil domain containing 80	151887
	ISG15	ISG15 ubiquitin-like modifier	9636
	HERC5	hect domain and RLD 5	51191
	AFAP1L2	actin filament associated protein 1-like 2	84632

	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H	5743
	CMPK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochond	129607
	NIACR2	niacin receptor 2	8843
	HCP5	HLA complex P5	10866
	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H	5742
	IL6	interleukin 6 (interferon, beta 2)	3569
	SAMD9	sterile alpha motif domain containing 9	54809
	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	23586
	HAS2	hyaluronan synthase 2	3037
	IFIH1	interferon induced with helicase C domain 1	64135
	DDX60L	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like	91351
	CFI	complement factor I	3426
	UBA7	ubiquitin-like modifier activating enzyme 7	7318
	FKBP10	FK506 binding protein 10, 65 kDa	60681
	SEMA3A	sema domain, immunoglobulin domain (Ig), short basic do	10371
	MMP12	matrix metalloproteinase 12 (macrophage elastase)	4321
	OAS3	2'-5'-oligoadenylate synthetase 3, 100kDa	4940
	CXCL10	chemokine (C-X-C motif) ligand 10	3627
	LDLR	low density lipoprotein receptor	3949
	DNAJC15	DnaJ (Hsp40) homolog, subfamily C, member 15	29103
	IFITM1	interferon induced transmembrane protein 1 (9-27)	8519
	SP110	SP110 nuclear body protein	3431
	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	4939
	EYA4	eyes absent homolog 4 (Drosophila)	2070
	HSPB8	heat shock 22kDa protein 8	26353
	DDX60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	55601
	IFI44	interferon-induced protein 44	10561
	EPST11	epithelial stromal interaction 1 (breast)	94240
	LASS3	LAG1 homolog, ceramide synthase 3	204219
	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	1591
	XAF1	XIAP associated factor 1	54739
	IFI6	interferon, alpha-inducible protein 6	2537
	IFIT3	interferon-induced protein with tetratricopeptide repeats	3437
	IFIT2	interferon-induced protein with tetratricopeptide repeats	3433
	GBP1	guanylate binding protein 1, interferon-inducible, 67kDa	2633
	MX1	myxovirus (influenza virus) resistance 1, interferon-inducib	4599
	IFI27	interferon, alpha-inducible protein 27	3429
	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	4938
	SAMD9L	sterile alpha motif domain containing 9-like	219285
	DPYD	dihydropyrimidine dehydrogenase	1806
	FYB	FYN binding protein (FYB-120/130)	2533

	TRIM22	tripartite motif-containing 22	10346
	CFH	complement factor H	3075
	NT5E	5'-nucleotidase, ecto (CD73)	4907
	SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	6678
	IFIT1	interferon-induced protein with tetratricopeptide repeats	3434
	RSAD2	radical S-adenosyl methionine domain containing 2	91543
	RTP4	receptor (chemosensory) transporter protein 4	64108
	MX2	myxovirus (influenza virus) resistance 2 (mouse)	4600
	IFI44L	interferon-induced protein 44-like	10964