

Supplementary Table 1. 1219 down-regulated probes in livers of human patients with NAFLD/NASH.

Probe ID	p-value	Log (Fold Change)	Gene Symbol	Gene Description
7916225	0.00002042	-0.79297091	RPS13	ribosomal protein S13
8095744	0.00003301	-0.92809751	AREG	amphiregulin
8016739	0.00003413	-0.76219365	TOB1	transducer of ERBB2, 1
8121850	0.00007819	-0.96944624	HEY2	hairy/enhancer-of-split related with YRPW motif 2
8166219	0.00013805	-0.52888646	SYAP1	synapse associated protein 1
7907970	0.00017988	-0.63720968		
7924058	0.00019095	-0.62327473	IRF6	interferon regulatory factor 6
8152642	0.00019118	-0.58996711	FAM83A-AS1	FAM83A antisense RNA 1
7892578	0.00020598	-0.86107507		
8167356	0.00021234	-0.5746145	GLOD5	glyoxalase domain containing 5
8122732	0.00021362	-0.69869308		
8115831	0.00024035	-1.39904664	DUSP1	dual specificity phosphatase 1
8174361	0.00024065	-1.10270028	TSC22D3	TSC22 domain family, member 3
7910901	0.00025567	-0.57259484	LOC100130331	POTE ankyrin domain family, member F pseudogene
7980096	0.00026905	-1.06351259		
8104136	0.00031457	-0.57617112	HMX1	H6 family homeobox 1
7899018	0.00034108	-0.58214279	TMEM57	transmembrane protein 57
8154381	0.00040117	-0.89537625	LURAP1L	leucine rich adaptor protein 1-like
8044574	0.00042422	-1.31166294	IL1RN	interleukin 1 receptor antagonist
7893573	0.00042537	-0.8413454		
7894916	0.00043289	-0.74484068		
7966631	0.00044308	-0.52391017	LHX5	LIM homeobox 5
8180222	0.00045126	-0.73639191	CFHR4	complement factor H-related 4
7908499	0.00045842	-1.02950046	CFHR5	complement factor H-related 5
8132013	0.00050245	-0.41798903	CHN2	chimerin 2
8144982	0.00055067	-0.47603714	NPM2	nucleophosmin/nucleoplasmin 2
8081036	0.00056767	-0.86673648	CADM2	cell adhesion molecule 2
8123800	0.00058719	-0.53901395		
8098782	0.00065132	-0.52548035	CPLX1	complexin 1
7946504	0.00068011	-0.45301645	TMEM41B	transmembrane protein 41B
8121794	0.00076598	-0.74999714	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A
8149809	0.00077964	-0.42161283		
8069574	0.00083873	-0.6975465	C21orf91	chromosome 21 open reading frame 91
8040898	0.00084825	-0.60386321	TRIM54	tripartite motif containing 54
7989611	0.00088558	-0.64984027	FAM96A	family with sequence similarity 96, member A
8024485	0.00088896	-1.31050838	GADD45B	growth arrest and DNA-damage-inducible, beta
8180275	0.00089652	-0.73017018	PCDHA1	protocadherin alpha 1
7893001	0.00091425	-0.61391617		
8167625	0.00097516	-0.43744251	CCNB3	cyclin B3
8122317	0.00098027	-0.40045385	HEBP2	heme binding protein 2
8094938	0.00099488	-0.78036905	NIPAL1	NIPA-like domain containing 1
7961371	0.00103814	-0.61238977	DUSP16	dual specificity phosphatase 16
8111136	0.00106935	-1.05109382	FAM134B	family with sequence similarity 134, member B
8034698	0.00110117	-1.02876002	MIR23A	microRNA 23a
8140386	0.0011019	-0.4358513	STYXL1	serine/threonine/tyrosine interacting-like 1
8137526	0.00110482	-0.82985909	INSIG1	insulin induced gene 1
8174675	0.00120137	-0.53338897	SLC25A5-AS1//SLC25A5	SLC25A5 antisense RNA 1//solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
8024038	0.00133153	-0.42402897	AZU1	azurocidin 1
7894268	0.00137202	-0.80404844		
8039340	0.00151127	-0.45677351	TNNT1	troponin T type 1 (skeletal, slow)
8086330	0.00153113	-1.84839709	CSRNP1	cysteine-serine-rich nuclear protein 1
8152215	0.00158019	-0.5133994	KLF10//KLF10	Kruppel-like factor 10//Kruppel-like factor 10
7928218	0.0015906	-0.79662233	CDH23	cadherin-related 23
7947199	0.00161768	-0.46886289	LGR4	leucine-rich repeat containing G protein-coupled receptor 4
7906863	0.00162373	-0.44543897	UAP1	UDP-N-acetylglucosamine pyrophosphorylase 1
8052934	0.00163613	-0.47586977	MCEE	methylmalonyl CoA epimerase
8040362	0.00168743	-0.69510683		

7967789	0.00174682	-0.64920848	PXMP2	peroxisomal membrane protein 2, 22kDa
7895162	0.00178057	-0.46039958		
8083569	0.00178308	-0.79711107	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase
7892628	0.00181803	-0.72775738		
7892797	0.00181805	-0.43085863		
7895866	0.00183265	-0.96302911		
8033956	0.00183473	-0.41030632	S1PR2	sphingosine-1-phosphate receptor 2
7969177	0.00185368	-0.43959976	ST13P4	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 4
8025828	0.00185487	-1.15153203	LDLR	low density lipoprotein receptor
7959827	0.00187837	-0.35015972	TMEM132C	transmembrane protein 132C
7985898	0.00194622	-0.37701062	WDR93	WD repeat domain 93
7962537	0.00195513	-0.98323651	SLC38A2	solute carrier family 38, member 2
8158554	0.00197004	-0.37942865	PRRX2	paired related homeobox 2
8096077	0.00202598	-1.01498157		
8096661	0.00206275	-0.4885318		
8032273	0.00210311	-0.48392927		
8126946	0.00212526	-0.42875452		
8028652	0.00216135	-1.21798455	ZFP36	ZFP36 ring finger protein
8173106	0.00219743	-0.4609312	ITIH6	inter-alpha-trypsin inhibitor heavy chain family, member 6
8067955	0.00220035	-0.4353128	CXADR	coxsackie virus and adenovirus receptor
7927814	0.0022399	-0.47780987	SIRT1	sirtuin 1
8036902	0.00227133	-0.56879519	SERTAD1	SERTA domain containing 1
8034286	0.00228385	-0.43253	ECSIT	ECSIT signalling integrator
8169352	0.00229803	-0.58505298	NXT2	nuclear transport factor 2-like export factor 2
8138741	0.00229978	-0.45670343	HOXA6	homeobox A6
7922162	0.00231424	-0.8041639	SLC19A2	solute carrier family 19 (thiamine transporter), member 2
7997257	0.00233541	-0.55018592	ZFP1	ZFP1 zinc finger protein
7943218	0.00239565	-0.4273094	PANX1	pannexin 1
8101648	0.00240798	-0.6334724	HSD17B11	hydroxysteroid (17-beta) dehydrogenase 11
7938368	0.00241197	-0.58274175		
7928630	0.00241664	-0.37087115	EIF5AL1///EIF5A	eukaryotic translation initiation factor 5A-like 1///eukaryotic translation initiation factor 5A
7925128	0.00242339	-0.62687995		
7925813	0.0024389	-0.56368497	PRR26	proline rich 26
7987099	0.00248494	-0.44641745	OTUD7A	OTU domain containing 7A
7974870	0.00248683	-0.52323329	SNAPC1	small nuclear RNA activating complex, polypeptide 1, 43kDa
8095341	0.00258274	-0.51313788		
7905324	0.00259819	-0.50365441	C1orf56///C1orf56	chromosome 1 open reading frame 56///chromosome 1 open reading frame 56
7958000	0.00260001	-0.41980653	CHPT1	choline phosphotransferase 1
8040473	0.00260512	-0.71029488	RHOB	ras homolog family member B
8027345	0.00260822	-0.44951545	ZNF492	zinc finger protein 492
7894489	0.00262948	-0.43569551		
8126474	0.00269744	-0.3809945	PPP2R5D///MEA1	protein phosphatase 2, regulatory subunit B', delta///male-enhanced antigen 1
7940971	0.00269815	-0.476535	KCNK4///TEX40	potassium channel, subfamily K, member 4///testis expressed 40
8156309	0.00280094	-1.91857805	GADD45G	growth arrest and DNA-damage-inducible, gamma
8052123	0.00282848	-0.49124312		
8114185	0.0028402	-0.36110419	CDKN2AIPNL	CDKN2A interacting protein N-terminal like
8025515	0.00287786	-0.44084668	RDH8	retinol dehydrogenase 8 (all-trans)
8167862	0.00289701	-0.48092759	PAGE2B	P antigen family, member 2B
8055287	0.00289919	-0.43796413	MZT2A	mitotic spindle organizing protein 2A
8043743	0.00292461	-0.67967357		
8174026	0.00293023	-0.55828121	YWHAQP8	YWHAQ pseudogene 8
8152355	0.00296149	-0.77105697	SYBU	syntabulin (syntaxin-interacting)
8042107	0.00297762	-0.50763377	EIF3F	eukaryotic translation initiation factor 3, subunit F
8103524	0.00304423	-0.32197155	TMEM192	transmembrane protein 192
8044927	0.00306715	-0.73908427	INHBB	inhibin, beta B
7893298	0.00307572	-1.04787723		
7902282	0.00307667	-0.38643169	HHLA3	HERV-H LTR-associating 3
7955896	0.00308094	-0.46793182	COPZ1	coatamer protein complex, subunit zeta 1
8018482	0.00308408	-0.46854697	WBP2	WW domain binding protein 2
7987381	0.00308548	-0.37073497	CSNK1A1P1	casein kinase 1, alpha 1 pseudogene 1
8097655	0.00312283	-0.56275697		

7933084	0.00319926	-0.90824229	NAMPT	nicotinamide phosphoribosyltransferase
7899932	0.00321168	-0.39531876	GJB3	gap junction protein, beta 3, 31kDa
7984008	0.00322888	-0.60391894		
7938348	0.00323796	-0.71731105	WEE1	WEE1 homolog (S. pombe)
8109663	0.00327684	-0.37097365	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1
8037535	0.00334481	-0.5266372		
7931348	0.00338259	-0.41154445	FOXI2	forkhead box l2
8057599	0.00339997	-0.49814204	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
7972062	0.00341863	-0.53169338	FBXL3	F-box and leucine-rich repeat protein 3
7922523	0.00341999	-0.72352437		
8084035	0.00342392	-0.3806076	ZNF639	zinc finger protein 639
8002556	0.00343743	-0.41156863	TAT	tyrosine aminotransferase
8077944	0.00356907	-0.44030569	CAND2	cullin-associated and neddylation-dissociated 2 (putative)
8048319	0.00358257	-1.34572837	VIL1	villin 1
8030999	0.00360323	-0.73399042	ZNF331	zinc finger protein 331
7893809	0.00363236	-0.48877502		
7939492	0.00363515	-0.59049103	C11orf96	chromosome 11 open reading frame 96
8086028	0.00372278	-0.36696877	GLB1	galactosidase, beta 1
8129562	0.00374956	-1.10524489	CTGF	connective tissue growth factor
7907655	0.00380461	-0.59433884		
8029507	0.00381324	-0.46886473	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)
8113616	0.00390139	-0.44379853	FEM1C	fem-1 homolog c (C. elegans)
8134091	0.00397943	-0.39306923	CLDN12	claudin 12
8030299	0.00400619	-0.38283339	CCDC155	coiled-coil domain containing 155
8165907	0.00401462	-0.42457406		
8127629	0.00412227	-0.43334274	COX7A2	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
7937330	0.00412576	-0.72633257	IFITM2	interferon induced transmembrane protein 2
8161884	0.00413807	-0.3905697	PRUNE2	prune homolog 2 (Drosophila)
8040103	0.00418069	-0.50310353	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
7933723	0.00418145	-0.48001218	IPMK	inositol polyphosphate multikinase
7977340	0.00421513	-0.61037656	BTBD6	BTB (POZ) domain containing 6
8070665	0.00422801	-2.17844415	SIK1	salt-inducible kinase 1
8150592	0.00424845	-0.92584694	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta
7931553	0.00425034	-0.44916502	UTF1	undifferentiated embryonic cell transcription factor 1
7906819	0.00426254	-0.42172089	ATF6	activating transcription factor 6
8028563	0.0043084	-0.36296876	SARS2//MRPS12	seryl-tRNA synthetase 2, mitochondrial//mitochondrial ribosomal protein S12
7968272	0.00434427	-0.40411607		
8124848	0.00435247	-1.24562714	IER3	immediate early response 3
7955589	0.00438037	-1.83708367	NR4A1	nuclear receptor subfamily 4, group A, member 1
8075332	0.00440358	-0.34419627	TBC1D10A	TBC1 domain family, member 10A
7926531	0.00440758	-0.78966531	ARL5B	ADP-ribosylation factor-like 5B
8172028	0.00443478	-0.56427871		
7963061	0.00445042	-0.39782438	C1QL4	complement component 1, q subcomponent-like 4
8076734	0.00446229	-0.32904051	WNT7B	wingless-type MMTV integration site family, member 7B
7997245	0.00447818	-0.57646424		
8022912	0.0044798	-0.42757287	MIR187	microRNA 187
7928823	0.00450568	-0.46092822	OPN4	opsin 4
7896542	0.00452104	-0.44880106		
8029489	0.00457471	-0.58404465	BCAM	basal cell adhesion molecule (Lutheran blood group)
8041561	0.0045827	-0.69651727	MORN2	MORN repeat containing 2
8056102	0.00458612	-0.47832061	LY75- CD302//CD302//C D302	LY75-CD302 readthrough//CD302 molecule//CD302 molecule
8172654	0.00460281	-0.4908284	USP27X-AS1	USP27X antisense RNA 1 (head to head)
8089011	0.00460815	-0.58678728	PROS1	protein S (alpha)
8032051	0.00462119	-0.48997936	ODF3L2	outer dense fiber of sperm tails 3-like 2
8026341	0.00462468	-0.39211721	MIR639//TECR	microRNA 639//trans-2,3-enoyl-CoA reductase
7979906	0.00462887	-0.33595199	COX16	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)
8067585	0.00463215	-0.48589407	BHLHE23	basic helix-loop-helix family, member e23
8169080	0.00464251	-0.46899293	H2BFM	H2B histone family, member M
8055952	0.00467622	-2.38162242	NR4A2	nuclear receptor subfamily 4, group A, member 2
8145440	0.00468513	-0.4207451	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha

7997281	0.00474822	-0.31522401	LOC100288358//TE RF2IP	uncharacterized LOC100288358//telomeric repeat binding factor 2, interacting p
7921473	0.00475568	-0.40804966	CCDC19	coiled-coil domain containing 19
8001658	0.00475659	-0.49442371	C16orf80	chromosome 16 open reading frame 80
7984011	0.00479953	-0.4501947	FOXB1	forkhead box B1
7966321	0.00481561	-0.48311361	GPN3	GPN-loop GTPase 3
8081548	0.00491062	-0.34885596	PVRL3	poliovirus receptor-related 3
7961702	0.00493373	-0.51273359	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8
7902290	0.00497914	-0.85723533	CTH	cystathionase (cystathionine gamma-lyase)
7893126	0.00499271	-0.50921745		
7895999	0.00508128	-0.80143545		
8038477	0.00513034	-0.39106372	AKT1S1	AKT1 substrate 1 (proline-rich)
7992447	0.00515645	-0.46435071	SYNGR3	synaptogyrin 3
7988033	0.00515705	-0.34336504	EPB42	erythrocyte membrane protein band 4.2
8042211	0.00518106	-0.40948862	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2
8175775	0.00525884	-0.36505992	MAGEA1	melanoma antigen family A, 1 (directs expression of antigen MZ2-E)
8113220	0.00528051	-0.4084689	ELL2	elongation factor, RNA polymerase II, 2
8041048	0.00528818	-0.76435982	FOSL2	FOS-like antigen 2
8027390	0.0053856	-0.57256643	POP4	processing of precursor 4, ribonuclease P/MRP subunit (S. cerevisiae)
7910638	0.00539462	-0.32394432		
7971905	0.00541491	-0.99462736	PCDH20	protocadherin 20
8173613	0.00544019	-0.47524059	RLIM	ring finger protein, LIM domain interacting
7904921	0.00548926	-0.41853402		
8075198	0.00552375	-0.38715775		
8149475	0.0055617	-0.40361036	CNOT7	CCR4-NOT transcription complex, subunit 7
7896417	0.00563782	-0.94617864		
7912361	0.0056567	-0.36774972	MASP2	mannan-binding lectin serine peptidase 2
8022404	0.0056903	-0.49151104	FAM210A	family with sequence similarity 210, member A
8173174	0.00570365	-0.44169143	USP51	ubiquitin specific peptidase 51
8019273	0.00572308	-0.4437143	ALYREF	Aly/REF export factor
8062782	0.00574316	-0.35107174	TOX2	TOX high mobility group box family member 2
8152092	0.00574696	-0.49306521		
7908496	0.00576171	-0.30036417	CFHR2	complement factor H-related 2
7935679	0.00584077	-0.59294195	CPN1	carboxypeptidase N, polypeptide 1
7898448	0.00586683	-0.32563272	PADI4	peptidyl arginine deiminase, type IV
7903474	0.00588765	-0.66252786		
8088167	0.00590185	-0.73221561	SELK	selenoprotein K
8053386	0.00593987	-0.42835305		
7896709	0.00595633	-0.54491053		
7977621	0.00596052	-0.31595099	NDRG2	NDRG family member 2
7970241	0.00599773	-0.47770509	F10	coagulation factor X
7930413	0.00605122	-0.59449389	DUSP5	dual specificity phosphatase 5
7895018	0.0060528	-0.76877776		
7904084	0.00607682	-0.42246545	AKR7A2P1	aldo-keto reductase family 7, member A2 pseudogene 1
8134452	0.00610284	-0.3608268	BHLHA15	basic helix-loop-helix family, member a15
8012891	0.00614412	-0.44763079		
7979886	0.00615054	-0.47851425		
7972745	0.00617206	-0.99279147	IRS2	insulin receptor substrate 2
7945688	0.00619404	-0.32391	INS- IGF2//INS//IGF2	INS-IGF2 readthrough//insulin//insulin-like growth factor 2 (somatomedin A)
8080960	0.00621401	-0.40331914		
8131475	0.00623208	-0.42100182	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase
8035398	0.00623283	-0.60831376	RAB3A	RAB3A, member RAS oncogene family
7993185	0.00627444	-0.45327951	NUBP1//NUBP1	nucleotide binding protein 1//nucleotide binding protein 1
7978666	0.00630918	-0.40811759	MBIP	MAP3K12 binding inhibitory protein 1
8123763	0.00635391	-0.32196566		
8106976	0.00640806	-0.38056911	GPR150	G protein-coupled receptor 150
7905533	0.00646517	-0.42610209	IVL	involucrin
8082667	0.00652538	-0.42223065	NUDT16	nudix (nucleoside diphosphate linked moiety X)-type motif 16
7911138	0.00656876	-0.32565054	CNST	consortin, connexin sorting protein
8172022	0.00662795	-0.39992152	TMEM47	transmembrane protein 47
8061507	0.00665163	-0.39298354		
7905949	0.0067186	-0.41477061		

8172345	0.00671888	-0.3772574	ELK1	ELK1, member of ETS oncogene family
7898655	0.00672387	-0.60517746	CDA	cytidine deaminase
8132694	0.00672768	-2.42071729	IGFBP1	insulin-like growth factor binding protein 1
8135480	0.00675373	-0.58554821	DNAJB9	DnaJ (Hsp40) homolog, subfamily B, member 9
8141533	0.00678251	-0.40249095		
8111757	0.00680358	-0.47485865	C9	complement component 9
7991809	0.00681807	-0.43076631	PDIA2///ARHGDI	protein disulfide isomerase family A, member 2///Rho GDP dissociation inhibitor
8052087	0.00687575	-0.46199213		
8043682	0.00687815	-0.59561521	LOC653924	glycerol-3-phosphate acyltransferase 2, mitochondrial pseudogene
8157264	0.00689371	-0.59903063	SLC31A2	solute carrier family 31 (copper transporters), member 2
7909142	0.00693518	-0.53564924	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1
8019181	0.0069406	-0.4619242	LOC100130370	uncharacterized LOC100130370
8012344	0.00697218	-0.45144554	HES7	hairy and enhancer of split 7 (Drosophila)
7921014	0.00703173	-0.37471617	MEF2D///MEF2D	myocyte enhancer factor 2D///myocyte enhancer factor 2D
7894011	0.00705212	-0.64433672		
7920697	0.00708493	-0.38311175	GBA	glucosidase, beta, acid
8037737	0.00711773	-0.32678056	NOVA2	neuro-oncological ventral antigen 2
8036031	0.00717089	-0.47881442		
8023984	0.0071809	-0.3533444	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2
8082605	0.00721481	-0.34669716		
7931556	0.00723762	-0.42116855	VENTX	VENT homeobox
7917741	0.00724415	-0.35159811	TMED5	transmembrane emp24 protein transport domain containing 5
8112613	0.00725973	-0.55011642		
8006562	0.00728147	-0.44878483	RASL10B	RAS-like, family 10, member B
8034514	0.00734294	-0.30934348	C19orf43	chromosome 19 open reading frame 43
7909610	0.00742968	-0.80696302	ATF3	activating transcription factor 3
8059026	0.00743657	-0.33410252	MIR375	microRNA 375
8014865	0.00748496	-0.30968903	NEUROD2	neuronal differentiation 2
7902687	0.00749592	-1.58929102	CYR61	cysteine-rich, angiogenic inducer, 61
8129666	0.00752051	-0.65162755	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12
8079140	0.00753724	-0.41811603	SNRK	SNF related kinase
7929653	0.00753755	-0.41250631	ANKRD2	ankyrin repeat domain 2 (stretch responsive muscle)
7952408	0.00758054	-0.51254783	SIAE	sialic acid acetyltransferase
7893679	0.00762347	-0.66557408		
8012000	0.00765775	-0.5342722	RNASEK	ribonuclease, RNase K
7951660	0.00766067	-0.31945717		
8101699	0.00767203	-0.76333399	PPM1K	protein phosphatase, Mg2+/Mn2+ dependent, 1K
8073960	0.0076739	-0.34498536	PIM3	pim-3 oncogene
8029693	0.00776588	-2.48951161	FOSB///FOSB	FBJ murine osteosarcoma viral oncogene homolog B///FBJ murine osteosarcoma homolog B
8125919	0.00778632	-0.70085929	LOC285847///FKBP5	uncharacterized LOC285847///FK506 binding protein 5
8124433	0.00780294	-0.39079902	HIST1H4G	histone cluster 1, H4g
7920047	0.00782009	-0.30044311	MRPL9	mitochondrial ribosomal protein L9
8005747	0.00782995	-0.40879915		
8070257	0.00784738	-0.42553747	PIGP	phosphatidylinositol glycan anchor biosynthesis, class P
8042335	0.00785852	-0.39836679	VDAC2	voltage-dependent anion channel 2
7896657	0.00790549	-0.36538957		
8063386	0.00791892	-0.45700192	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta
7938748	0.00792251	-0.45622772		
7912207	0.00793853	-0.41925277		
7931926	0.00797927	-0.30257615		
8112570	0.00798736	-0.31578424	MRPS27	mitochondrial ribosomal protein S27
8099918	0.00808893	-0.39758671		
8099633	0.0080994	-0.93030989	PPARGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha
7892679	0.00817767	-0.7803035		
8123463	0.00825871	-0.40715449	C6orf120///PHF10	chromosome 6 open reading frame 120///PHD finger protein 10
8168892	0.00828467	-0.30980017	TCEAL2	transcription elongation factor A (SII)-like 2
7895253	0.00832644	-0.7513525		
8164428	0.00833208	-0.31929364	COQ4///TRUB2	coenzyme Q4 homolog (S. cerevisiae)///TruB pseudouridine (psi) synthase hom
7896321	0.00834717	-0.63173595		
8098604	0.00836097	-1.0878421	ANKRD37///UFSP2	ankyrin repeat domain 37///UFM1-specific peptidase 2
8161610	0.00853768	-0.62339209	TMEM252	transmembrane protein 252

8146559	0.00854129	-0.4153998		
8013804	0.00855972	-0.46431045	DHRS13	dehydrogenase/reductase (SDR family) member 13
8079117	0.00856495	-0.70857495	CCBP2	chemokine binding protein 2
8038877	0.00857639	-0.50946137	SIGLEC5	sialic acid binding Ig-like lectin 5
8134415	0.0085817	-0.34670333	ACN9	ACN9 homolog (S. cerevisiae)
7934278	0.00861048	-1.41272271	P4HA1	prolyl 4-hydroxylase, alpha polypeptide I
8105151	0.00862206	-0.36808791		
7908488	0.00863954	-0.43377221	CFHR1	complement factor H-related 1
7895972	0.00864048	-0.57482767		
8149289	0.00865386	-0.43339143	SOX7	SRY (sex determining region Y)-box 7
8109732	0.0086566	-0.40228854	MAT2B	methionine adenosyltransferase II, beta
8116658	0.00866762	-0.37468245	FAM50B	family with sequence similarity 50, member B
8096489	0.00868943	-0.3952269	PDLIM5	PDZ and LIM domain 5
7970448	0.008704	-0.31183144	GJB6	gap junction protein, beta 6, 30kDa
8104499	0.00876472	-0.37895916	ANKRD33B	ankyrin repeat domain 33B
7936320	0.00877865	-0.43328263	RPL13AP6	ribosomal protein L13a pseudogene 6
7918437	0.00882881	-0.34185604	LAMTOR5	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5
7936833	0.0088747	-0.64274924		
7895263	0.0088885	-0.38760549		
8133114	0.00889094	-0.32720993	VKORC1L1	vitamin K epoxide reductase complex, subunit 1-like 1
8104022	0.0089315	-0.59880096	PDLIM3	PDZ and LIM domain 3
7944006	0.00893599	-0.48927117	RBM7	RNA binding motif protein 7
8166382	0.00897159	-0.31889815	MBTPS2	membrane-bound transcription factor peptidase, site 2
7966389	0.00897588	-0.33924654	FAM109A	family with sequence similarity 109, member A
7995324	0.00897682	-0.58131206		
7945536	0.00897846	-0.4207714	CEND1	cell cycle exit and neuronal differentiation 1
7910790	0.00898445	-0.5331333		
7937465	0.00899656	-0.33036562	TALDO1	transaldolase 1
8053139	0.00903744	-0.32251651	C2orf81	chromosome 2 open reading frame 81
8115144	0.00903823	-0.40536169	ARSI	arylsulfatase family, member I
7985777	0.00904812	-0.35551268	ISG20	interferon stimulated exonuclease gene 20kDa
7919568	0.00905407	-0.44556348		
7965152	0.009072	-0.40563482		
8027402	0.00912961	-0.36855138	CCNE1	cyclin E1
8096533	0.00914464	-0.41241511		
8147566	0.00914732	-0.37727663	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2
7950644	0.00915194	-0.31693204	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa
7975045	0.00915666	-0.40716591	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase
7995332	0.00920364	-0.55891548		
7940005	0.00924711	-0.47656773	P2RX3	purinergic receptor P2X, ligand-gated ion channel, 3
8070689	0.00929776	-0.372955	HSF2BP	heat shock transcription factor 2 binding protein
8060741	0.00934063	-0.35615199		
8117696	0.00934483	-0.49963342	COX11	cytochrome c oxidase assembly homolog 11 (yeast)
7947828	0.00938372	-0.40675709	MYBPC3	myosin binding protein C, cardiac
8106473	0.00938475	-0.43605402		
8161829	0.00945475	-0.43462103	C9orf41	chromosome 9 open reading frame 41
8094874	0.0094803	-0.39952773		
8016320	0.00949417	-0.44895129	RPRML	reprimin-like
8044682	0.00951594	-0.44605661		
8132209	0.00953039	-0.4444967	ZNRF2P1	zinc and ring finger 2 pseudogene 1
7922754	0.00954886	-0.48114118		
7919314	0.00955327	-0.42479366	FMO5	flavin containing monooxygenase 5
7948369	0.00955503	-0.58428935		
7999387	0.00957671	-0.35731933	EMP2	epithelial membrane protein 2
7895181	0.00961533	-0.59036358		
8146837	0.00963234	-0.57234307		
7935855	0.00970267	-0.32919828	LBX1	ladybird homeobox 1
7995326	0.00970578	-0.39318939		
7917240	0.00972789	-0.57141755	CTBS	chitinase, di-N-acetyl-
7999171	0.00977018	-0.46860413		
8170702	0.00983402	-0.36197817		

7894504	0.0098639	-0.81397023		
8150830	0.00986768	-0.47849016	LYPLA1	lysophospholipase I
8056943	0.00991212	-0.35405226	KIAA1715	KIAA1715
8098414	0.00993869	-0.56395089	SPCS3	signal peptidase complex subunit 3 homolog (S. cerevisiae)
8110604	0.00997563	-0.44555367		
8161238	0.01003471	-0.50454921	RAB1C	RAB1C, member RAS oncogene family pseudogene
8076655	0.01014197	-0.32891458	PNPLA5	patatin-like phospholipase domain containing 5
7980990	0.01014993	-0.55239339	C14orf142///UBR7	chromosome 14 open reading frame 142///ubiquitin protein ligase E3 component (putative)
8147970	0.01015589	-0.30581758	EBAG9	estrogen receptor binding site associated, antigen, 9
8088908	0.01020996	-0.41134802		
7938756	0.01025138	-0.32092892	ST13P5	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) p
8106475	0.0103189	-0.3594368	ACTB	actin, beta
7977951	0.01036025	-0.34461725		
8148304	0.01039175	-1.18304529	TRIB1	tribbles homolog 1 (Drosophila)
7939902	0.01040063	-0.38828584	LOC646813	DEAH (Asp-Glu-Ala-His) box helicase 9 pseudogene
8097801	0.01042103	-0.72860338	FAM160A1	family with sequence similarity 160, member A1
8146118	0.01042813	-0.45186442		
8105104	0.0104285	-0.44920844	C5orf51	chromosome 5 open reading frame 51
8096457	0.01048316	-0.31630198		
8170882	0.01048448	-0.30836951	ATP6AP1	ATPase, H+ transporting, lysosomal accessory protein 1
7950471	0.01048504	-0.31612176	OR2AT4	olfactory receptor, family 2, subfamily AT, member 4
8120937	0.01053038	-0.31732211	RIPPLY2	rippy2 homolog (zebrafish)
8035435	0.01053185	-0.41787212	KIAA1683	KIAA1683
8117071	0.01053456	-0.38635547	FAM8A1	family with sequence similarity 8, member A1
8005473	0.01053554	-0.61759142	PAIP1	poly(A) binding protein interacting protein 1
7979725	0.01064551	-0.6167953	PLEKHH1///PIGH	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1///phosphatidylinositol glycan anchor biosynthesis, class H
7895045	0.0106535	-0.3972872		
7895382	0.01067106	-0.43690162		
7959946	0.01067747	-0.36204361	MMP17	matrix metalloproteinase 17 (membrane-inserted)
8055862	0.01067783	-0.52379533	ARL5A	ADP-ribosylation factor-like 5A
8045075	0.01067908	-0.3331529	GPR17	G protein-coupled receptor 17
8149330	0.01076585	-0.32968311	CTSB	cathepsin B
8016433	0.01077936	-0.35821508	HOXB1	homeobox B1
8167165	0.01081851	-0.36529185	ARAF	v-raf murine sarcoma 3611 viral oncogene homolog
8133219	0.01082924	-0.34597685		
8037301	0.01085019	-0.36746609	LYPD3	LY6/PLAUR domain containing 3
7975779	0.01094785	-2.88929943	FOS	FBJ murine osteosarcoma viral oncogene homolog
8169709	0.01097268	-0.59147705	GLRX5	glutaredoxin 5
8103411	0.01107409	-0.51160094		
8169233	0.01107828	-0.89697503		
8159583	0.01108292	-0.30872508	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1
7917599	0.01115141	-0.38245791	BARHL2	BarH-like homeobox 2
8002051	0.01122705	-0.4209698	AGRP	agouti related protein homolog (mouse)
8015273	0.01124124	-0.47729307	KRT31	keratin 31
7993126	0.01127186	-0.35256905	ABAT	4-aminobutyrate aminotransferase
8090872	0.01130951	-0.3586311	KY	kyphoscoliosis peptidase
8133690	0.01133111	-0.33750963	MDH2	malate dehydrogenase 2, NAD (mitochondrial)
8007471	0.01133115	-0.34387362	NBR1	neighbor of BRCA1 gene 1
7972808	0.01140737	-0.45470767	CARKD	carbohydrate kinase domain containing
8025375	0.01141417	-0.33462212	CCL25	chemokine (C-C motif) ligand 25
8020455	0.01142591	-0.32615767	GATA6	GATA binding protein 6
7970498	0.01143682	-0.32320218	LATS2	large tumor suppressor kinase 2
7959157	0.01148112	-0.38455019	GATC	glutamyl-tRNA(Gln) amidotransferase, subunit C
7893539	0.01148932	-0.89483126		
8083223	0.01149917	-0.61872419	C3orf58	chromosome 3 open reading frame 58
7894044	0.01156672	-0.62169782		
7976834	0.01159747	-0.33291697	MIR494	microRNA 494
8108483	0.01162163	-0.37284271	SLC4A9	solute carrier family 4, sodium bicarbonate cotransporter, member 9
8169240	0.01166785	-0.47839001	PRPS1	phosphoribosyl pyrophosphate synthetase 1
8039273	0.01169896	-0.36604803	CDC42EP5	CDC42 effector protein (Rho GTPase binding) 5
7960381	0.01172681	-0.78031434	EFCAB4B	EF-hand calcium binding domain 4B

7906469	0.01172837	-0.43181692	DUSP23	dual specificity phosphatase 23
8007208	0.01176499	-0.37747576	HSPB9	heat shock protein, alpha-crystallin-related, B9
8039504	0.01185048	-0.32685578	SHISA7	shisa homolog 7 (<i>Xenopus laevis</i>)
8172803	0.01185087	-0.35944288		
8127425	0.01187957	-0.33122812	LMBRD1	LMBR1 domain containing 1
8147687	0.01188765	-0.96720356		
8103706	0.0119034	-0.43042592	AADAT	aminoadipate aminotransferase
8151436	0.01191743	-0.40114317	PEX2	peroxisomal biogenesis factor 2
8037197	0.01199463	-0.35368453	CXCL17	chemokine (C-X-C motif) ligand 17
8148317	0.01213641	-1.53771242	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)
7995007	0.01214603	-0.44895844	HSD3B7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7
8091485	0.01215067	-0.46352355	SIAH2	siah E3 ubiquitin protein ligase 2
8055992	0.01221026	-0.44396258	ACVR1C	activin A receptor, type IC
8013259	0.01225764	-0.37267665		
8045321	0.01226119	-0.34637321	POTEF///POTEE	POTE ankyrin domain family, member F///POTE ankyrin domain family, membe
7906978	0.01226135	-0.39136656	MGST3///MGST3	microsomal glutathione S-transferase 3///microsomal glutathione S-transferase
7989473	0.01226217	-0.46402123	C2CD4B	C2 calcium-dependent domain containing 4B
8175811	0.01230799	-0.38985992	FAM58A///FAM58A	family with sequence similarity 58, member A///family with sequence similarity 5
8073192	0.01233734	-0.33962969	UQCRC1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
8164883	0.01234507	-0.35384973	SURF4	surfeit 4
8129039	0.01241569	-0.43250449		
7901445	0.01248125	-0.34184383		
7937106	0.01249689	-0.40268783	NKX6-2	NK6 homeobox 2
8162624	0.01253841	-0.80813545	AAED1	AhpC/TSA antioxidant enzyme domain containing 1
7970096	0.01256054	-0.30243621	ING1	inhibitor of growth family, member 1
7931500	0.01258157	-0.35851563	GPR123	G protein-coupled receptor 123
8040949	0.01260771	-0.49050292	KRTCAP3	keratinocyte associated protein 3
7949995	0.01263317	-0.37894332	MRPL21	mitochondrial ribosomal protein L21
8070900	0.01265558	-0.3728143		
8088820	0.01270739	-0.39483186	RYBP	RING1 and YY1 binding protein
7929947	0.01280099	-0.3864066	TLX1	T-cell leukemia homeobox 1
8024623	0.01280121	-0.36112096	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)
7949894	0.01280713	-0.38023445		
7893236	0.01281341	-0.46729035		
7972973	0.01282642	-0.31533021	SETD8	SET domain containing (lysine methyltransferase) 8
8108050	0.01286117	-0.38233943	TCF7	transcription factor 7 (T-cell specific, HMG-box)
7909225	0.0128639	-0.39847863	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
8052676	0.01291357	-0.35226701		
8113413	0.01297933	-0.44238759	NUDT12	nudix (nucleoside diphosphate linked moiety X)-type motif 12
8067201	0.01299057	-0.4433533		
8059965	0.01299385	-0.32936562	KLHL30-AS1	KLHL30 antisense RNA 1
8012349	0.01301791	-0.61080484	PER1	period circadian clock 1
8001108	0.01307271	-0.45434015		
7950128	0.01307978	-0.40380926	LRTOMT///ANAPC1 5	leucine rich transmembrane and O-methyltransferase domain containing///anapc
7922646	0.01310747	-0.52034567	TOR1AIP2	torsin A interacting protein 2
8107468	0.0131189	-0.43346861		
7896094	0.01311953	-0.46778485		
8162276	0.01318523	-1.27354794	NFIL3	nuclear factor, interleukin 3 regulated
7931810	0.01321711	-1.08633018	KLF6	Kruppel-like factor 6
7893850	0.01322589	-0.61197901		
8123651	0.01326686	-0.34933522	TUBB2B	tubulin, beta 2B class IIb
7908525	0.01329628	-0.35267747	C1orf53	chromosome 1 open reading frame 53
7938100	0.01338751	-0.40413009	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal
8149685	0.0134127	-0.31159078	LGI3	leucine-rich repeat LGI family, member 3
7924910	0.0134202	-0.33775024	ACTA1	actin, alpha 1, skeletal muscle
7980001	0.01352574	-0.42469421		
8159249	0.01354097	-0.38676713	MRPS2	mitochondrial ribosomal protein S2
7933209	0.01354222	-0.302417	C10orf25///RASSF4/ //ZNF22	chromosome 10 open reading frame 25///Ras association (RalGDS/AF-6) doma 4///zinc finger protein 22
7995322	0.01356053	-0.50750183		
8153409	0.01361469	-0.43716573	MAFA	v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian)
7898721	0.01365553	-0.39126966		

7978093	0.01365727	-0.36393444	JPH4	junctionophilin 4
7989708	0.01371619	-0.3938201	MTFMT	mitochondrial methionyl-tRNA formyltransferase
8063796	0.01375761	-0.30485353	CDH4	cadherin 4, type 1, R-cadherin (retinal)
7940662	0.01379246	-0.30687787	ROM1	retinal outer segment membrane protein 1
7996331	0.01379648	-0.34469461	CA7	carbonic anhydrase VII
8096281	0.01380044	-0.3148774	IBSP	integrin-binding sialoprotein
7992145	0.01384314	-0.3655483	SSTR5	somatostatin receptor 5
7978838	0.01387614	-0.39360271	DNAAF2	dynein, axonemal, assembly factor 2
7920971	0.01389666	-0.44245375	C1orf85	chromosome 1 open reading frame 85
7934178	0.0139363	-0.3468346	PCBD1	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte n alpha
8141643	0.01394108	-0.34059854	UFSP1	UFM1-specific peptidase 1 (non-functional)
7893685	0.01395807	-0.36791291		
7992191	0.01396418	-0.36515952	TPSD1	tryptase delta 1
7893344	0.01398267	-0.41858942		
8145047	0.01398749	-0.35209255	SFTPC	surfactant protein C
7944401	0.01399267	-0.3230911	HMBS	hydroxymethylbilane synthase
8095139	0.01419659	-0.49530176	SRD5A3	steroid 5 alpha-reductase 3
8158147	0.01429382	-1.03344562	SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25
7893196	0.01431305	-0.48386921		
8023920	0.01441801	-0.49887911	TXNL4A	thioredoxin-like 4A
7892916	0.01442825	-0.39090428		
8027854	0.01458923	-0.38329854	FFAR1	free fatty acid receptor 1
7997861	0.01459896	-0.35865965		
8165508	0.0146273	-0.36157331	NRARP	NOTCH-regulated ankyrin repeat protein
7999718	0.01465169	-0.3490034	FOPNL	FGFR1OP N-terminal like
8121727	0.01467365	-0.33059573	BRD7P3	bromodomain containing 7 pseudogene 3
7956287	0.01468388	-0.3676406	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2)
8062864	0.01470981	-0.32015008	WISP2	WNT1 inducible signaling pathway protein 2
8118824	0.01475188	-0.43480547		
8085287	0.0147641	-0.43712628	BRK1	BRICK1, SCAR/WAVE actin-nucleating complex subunit
8176263	0.01480253	-0.31743686	TAF9B	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 3
8073612	0.01481086	-0.51790703	TSPO	translocator protein (18kDa)
8029870	0.01488137	-0.32385895	NPAS1	neuronal PAS domain protein 1
8142671	0.01490459	-0.30949337	WASL	Wiskott-Aldrich syndrome-like
8001178	0.01512553	-0.43219834	C16orf87	chromosome 16 open reading frame 87
8110920	0.01512884	-0.38773368	FASTKD3	FAST kinase domains 3
8019046	0.01516639	-0.3651434	EIF4A3	eukaryotic translation initiation factor 4A3
8124134	0.01517148	-0.30223801	TPMT	thiopurine S-methyltransferase
7894881	0.0152645	-0.3581052		
7905329	0.0152858	-0.6738789	MLLT11	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); tra
7896637	0.01537938	-0.39231734		
7903281	0.01539254	-0.41256119	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter),
8003425	0.01545441	-0.336718	CBFA2T3	core-binding factor, runt domain, alpha subunit 2; translocated to, 3
8158666	0.01547562	-0.49568416	HMCN2	hemicentin 2
7931764	0.01547816	-0.34974081	ADARB2	adenosine deaminase, RNA-specific, B2 (non-functional)
8089112	0.01556802	-0.69116131	FILIP1L	filamin A interacting protein 1-like
8149612	0.01558939	-0.35665093	LZTS1	leucine zipper, putative tumor suppressor 1
7939424	0.01564802	-0.36768455	API5	apoptosis inhibitor 5
7942774	0.01567066	-0.40242264	AQP11	aquaporin 11
8035234	0.01576141	-0.39597498		
8165453	0.01605512	-0.39955056	LRRC26	leucine rich repeat containing 26
7896533	0.01609657	-0.67037838		
7981078	0.01613337	-0.49110393	SERPINA11	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member
7909332	0.01614287	-0.57211101	CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group
8172471	0.01618281	-0.35593395	PIM2	pim-2 oncogene
8037267	0.01618553	-0.474422	PSG2	pregnancy specific beta-1-glycoprotein 2
8042701	0.01621342	-0.36762858	EMX1	empty spiracles homeobox 1
8116859	0.01621874	-0.33113292	TMEM14C	transmembrane protein 14C
8024373	0.01626396	-0.32987556	IZUMO4	IZUMO family member 4
8110708	0.01627093	-0.47987818	TPPP	tubulin polymerization promoting protein
8171837	0.01630449	-0.54013801	KLHL15	kelch-like family member 15

7895971	0.01630642	-0.54769836		
8030578	0.01637273	-0.31031437	FLJ26850	FLJ26850 protein
8040249	0.01640558	-0.31062974	ATP6V1C2///PDIA6	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2///protein disulfide isomerase member 6
8055688	0.0164527	-0.83364087	RND3///RND3	Rho family GTPase 3///Rho family GTPase 3
8101992	0.01652567	-0.37992405	SLC39A8	solute carrier family 39 (zinc transporter), member 8
8139421	0.01654418	-0.36508112	H2AFV	H2A histone family, member V
8067167	0.01655575	-0.60701203	AURKA	aurora kinase A
8155508	0.01655871	-0.75226649		
8055672	0.01658109	-0.35416777	MMADHC	methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria
8125843	0.01659299	-0.31380661	SPDEF	SAM pointed domain containing ets transcription factor
7955624	0.01666015	-0.41859108	KRT86///KRT83///KRT81	keratin 86///keratin 83///keratin 81
8035868	0.01668323	-0.304017		
8169465	0.01674931	-0.37569538		
7978644	0.01675481	-0.43907969	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha 1
7956395	0.01675569	-0.37918514	NXP4	neurexophilin 4
7895752	0.01680823	-0.55872325		
8080958	0.0170633	-0.54267042	GPR27	G protein-coupled receptor 27
7896519	0.01708722	-0.58062185		
8037949	0.01717769	-0.41832376	SULT2A1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring
8097687	0.01718892	-0.38931962	POU4F2	POU class 4 homeobox 2
8158902	0.01724479	-0.40478951	C9orf171	chromosome 9 open reading frame 171
7981084	0.01724911	-0.35802564	SERPINA9	serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 9
7898537	0.01728462	-0.31245777	PAX7	paired box 7
8156240	0.01728631	-0.30924988	CTSL3P	cathepsin L family member 3, pseudogene
8024228	0.0173331	-0.31886935	MIDN	midnolin
7957551	0.0174208	-1.02415093	SOCS2	suppressor of cytokine signaling 2
8110427	0.01744307	-0.32370395		
8110166	0.01744636	-0.41437139	HIGD2A	HIG1 hypoxia inducible domain family, member 2A
8063970	0.01746431	-0.30210449	COL9A3	collagen, type IX, alpha 3
8058866	0.01748739	-0.31716286	TNP1	transition protein 1 (during histone to protamine replacement)
7895902	0.01750909	-0.57093101		
8030706	0.01751678	-0.37022035	EMC10	ER membrane protein complex subunit 10
7981013	0.01757047	-0.31638017	PRIMA1	proline rich membrane anchor 1
8025028	0.01759601	-0.3261772	CLPP	ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)
7902930	0.01760699	-0.39332551	HSP90B3P	heat shock protein 90kDa beta (Grp94), member 3, pseudogene
8119102	0.01761731	-0.44535647		
7925161	0.0176747	-0.42738364	IRF2BP2	interferon regulatory factor 2 binding protein 2
7912968	0.0177088	-0.43397222	TAS1R2	taste receptor, type 1, member 2
8027920	0.0177103	-0.32199904	ETV2	ets variant 2
7969975	0.01777618	-0.43521291		
7893026	0.01777863	-0.33833864		
8112422	0.01790304	-0.33107496		
7966746	0.01796364	-0.42326506	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)
7978586	0.01802709	-0.5384399	CFL2	cofilin 2 (muscle)
7997158	0.0181073	-0.34428531	MARVELD3	MARVEL domain containing 3
8073544	0.01813965	-0.31870155	MIR33A	microRNA 33a
8065603	0.01814678	-0.35227612	TSPY26P	testis specific protein, Y-linked 26, pseudogene
8028380	0.01815791	-0.30438397	PSMD8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8
8157605	0.01818415	-0.6823413		
7892776	0.01819091	-0.4954715		
8113551	0.01819237	-0.40308953	MCC	mutated in colorectal cancers
8138337	0.01821486	-0.42728155	AGMO	alkylglycerol monooxygenase
7966621	0.01822571	-0.89783926	SDS	serine dehydratase
7893339	0.01824485	-0.52709092		
8115664	0.01826251	-0.3860378	GLRX	glutaredoxin (thioltransferase)
8084275	0.01827394	-0.30541854	HTR3C	5-hydroxytryptamine (serotonin) receptor 3C, ionotropic
8022674	0.01831479	-0.38186196	CDH2	cadherin 2, type 1, N-cadherin (neuronal)
7896378	0.01834395	-0.73322051		
8161747	0.01838533	-0.79970969	ZFAND5	zinc finger, AN1-type domain 5
7894827	0.01840224	-0.38072453		
7893962	0.01843417	-0.70487892		

8119620	0.01844262	-1.15973477	GNMT	glycine N-methyltransferase
8027385	0.0184487	-0.449968	VSTM2B	V-set and transmembrane domain containing 2B
8030128	0.01847241	-0.81531956	PPP1R15A	protein phosphatase 1, regulatory subunit 15A
7927146	0.01850802	-0.36234914	CSGALNACT2	chondroitin sulfate N-acetylgalactosaminyltransferase 2
7895096	0.01859161	-0.46518114		
8083826	0.01859301	-0.40926291	SEC62	SEC62 homolog (S. cerevisiae)
7895127	0.01859667	-0.62104955		
7995342	0.01859732	-0.57088018		
8069633	0.01859803	-0.32686666	ATP5J	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6
8098240	0.01865334	-0.53738251		
8103023	0.01866578	-0.51929891		
7971345	0.01870527	-0.40222941		
8021484	0.01870848	-0.32247486	CDH20	cadherin 20, type 2
7893624	0.01875201	-0.54683872		
7893458	0.01876127	-0.50923216		
8056728	0.01878338	-0.32988846		
8083136	0.01890196	-0.56952413	ATP1B3	ATPase, Na+/K+ transporting, beta 3 polypeptide
8037166	0.01894193	-0.32733753	ERF	Ets2 repressor factor
7925342	0.01896059	-0.55168933	ERO1LB	ERO1-like beta (S. cerevisiae)
8005233	0.01902083	-0.65109102		
8035445	0.01903955	-0.88262482	JUND	jun D proto-oncogene
8025968	0.01922158	-0.40112981	ZNF69	zinc finger protein 69
8118667	0.01926325	-0.49673901	MYL12B	myosin, light chain 12B, regulatory
8156196	0.01930364	-0.31685026	C9orf170	chromosome 9 open reading frame 170
8104369	0.01938669	-0.55158501	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-delta 3-reductase, alpha 1)
8050763	0.019394	-0.33115268	PTRHD1	peptidyl-tRNA hydrolase domain containing 1
7926979	0.01944806	-0.85024179		
8170009	0.01945979	-0.42042031	FAM127A	family with sequence similarity 127, member A
8135080	0.01946657	-0.37253209	AP1S1	adaptor-related protein complex 1, sigma 1 subunit
8136801	0.01949629	-0.51674739	PRSS3P2///PRSS3///PRSS3P1	protease, serine, 3 pseudogene 2///protease, serine, 3///protease, serine, 2 (trypsin)
8046564	0.01951697	-0.32019429	HOXD1	homeobox D1
7893003	0.01952961	-0.58047125		
8038815	0.01955853	-0.36868431	LIM2	lens intrinsic membrane protein 2, 19kDa
7915841	0.01964684	-0.30094815	KNCN	kinocilin
8119712	0.01965196	-0.37958133	SRF	serum response factor (c-fos serum response element-binding transcription factor)
8010113	0.0197047	-0.30616097	MGAT5B	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase, type 5B
7972291	0.01980484	-0.36077884	SOX21	SRY (sex determining region Y)-box 21
8172358	0.01981566	-0.48876675	UXT	ubiquitously-expressed, prefoldin-like chaperone
7898176	0.01986291	-0.3436589	CELA2A	chymotrypsin-like elastase family, member 2A
7979269	0.0198885	-0.33773096	GCH1	GTP cyclohydrolase 1
8163930	0.01989117	-0.39999006	NDUFA8	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa
7997228	0.01989639	-0.30765144		
7965606	0.01995563	-0.83535876	HAL	histidine ammonia-lyase
8109475	0.02002595	-0.41059635	MRPL22	mitochondrial ribosomal protein L22
8148194	0.02003972	-0.32845115		
8099200	0.02011903	-0.31126488	JAKMIP1	janus kinase and microtubule interacting protein 1
7982868	0.02012026	-1.370095	CHAC1	ChaC, cation transport regulator homolog 1 (E. coli)
7969533	0.02014075	-0.35027102	SLAIN1	SLAIN motif family, member 1
7892972	0.02014133	-0.45522981		
8038109	0.02017002	-0.47087379	FAM83E	family with sequence similarity 83, member E
8180317	0.02021308	-0.65916847	TGIF1	TGFB-induced factor homeobox 1
8037872	0.02022134	-0.38847186	BBC3	BCL2 binding component 3
7914000	0.02023854	-1.01535393	NR0B2	nuclear receptor subfamily 0, group B, member 2
8118804	0.0202519	-0.31237845	PACSIN1	protein kinase C and casein kinase substrate in neurons 1
8047372	0.02028188	-0.47967441	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa
7963970	0.02030429	-0.33986864	PMEL	premelanosome protein
8069532	0.02036576	-0.62754457	HSPA13	heat shock protein 70kDa family, member 13
8052669	0.02037158	-0.37371098	SERTAD2	SERTA domain containing 2
8093074	0.02051172	-0.36131904	ZDHC19	zinc finger, DHHC-type containing 19
8130009	0.02059968	-0.48249909		
8115895	0.02060427	-0.37564097	KIAA1191	KIAA1191

8062873	0.02065539	-0.51050214	KCNK15	potassium channel, subfamily K, member 15
7907351	0.02066828	-0.31229037		
7894834	0.02080351	-0.53986824		
7954794	0.02081112	-0.30518875	C12orf40	chromosome 12 open reading frame 40
7969544	0.02084114	-0.36246368	NDFIP2	Nedd4 family interacting protein 2
8136067	0.0210401	-0.38319586	TSPAN33	tetraspanin 33
8134880	0.02107828	-0.37714677	MOSPD3	motile sperm domain containing 3
8076072	0.02110278	-0.41070952	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4
7898653	0.02114532	-0.46350768	FAM43B	family with sequence similarity 43, member B
8050790	0.02120541	-0.32776396	DNAJC27	DnaJ (Hsp40) homolog, subfamily C, member 27
7923596	0.02122208	-0.51949514	ETNK2	ethanolamine kinase 2
8168466	0.02123332	-0.34970423	MAGT1	magnesium transporter 1
8175119	0.02123455	-0.30932291		
8110055	0.02124143	-0.31113424	CPEB4	cytoplasmic polyadenylation element binding protein 4
8055404	0.02126076	-0.38070137	UBXN4	UBX domain protein 4
8052733	0.02134874	-0.33095114		
7912031	0.02135698	-0.35676742	HES2	hairy and enhancer of split 2 (Drosophila)
7985233	0.02137948	-0.4244739	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1
8010783	0.02139915	-0.36987111	UTS2R	urotensin 2 receptor
8035539	0.02142694	-0.32391473	CERS1///GDF1	ceramide synthase 1///growth differentiation factor 1
8112726	0.02142732	-0.30984653		
8084880	0.02149923	-0.78783537	HES1	hairy and enhancer of split 1, (Drosophila)
8047217	0.02156229	-0.51903807	COQ10B	coenzyme Q10 homolog B (S. cerevisiae)
8054831	0.02160232	-0.30893561	EN1	engrailed homeobox 1
7892953	0.0216039	-0.5953891		
8088480	0.02161502	-0.40173939	ID2B///ID2	inhibitor of DNA binding 2B, dominant negative helix-loop-helix protein (pseudog) DNA binding 2, dominant negative helix-loop-helix protein
8012140	0.02162173	-0.42865541	YBX2	Y box binding protein 2
8145660	0.02166305	-0.33575994	DCTN6	dynactin 6
7892720	0.02175788	-0.55387632		
8138289	0.02180788	-0.42911811	ETV1	ets variant 1
8180280	0.02182658	-0.37147413	PCDHA7	protocadherin alpha 7
8129677	0.02183814	-0.52353047	SGK1	serum/glucocorticoid regulated kinase 1
7925448	0.02184787	-0.36054589		
8081055	0.02190184	-0.3660887	CHMP2B	charged multivesicular body protein 2B
8007141	0.02192513	-0.33319703	EIF1	eukaryotic translation initiation factor 1
8120194	0.02208171	-0.30428824	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta)
7986327	0.02215396	-0.39860426		
8128429	0.02218067	-0.42964211	CCNC	cyclin C
7892583	0.0221809	-0.76878003		
7970716	0.02219094	-0.35595354	LNx2	ligand of numb-protein X 2
7944876	0.02224067	-0.43067392	NRGN	neurogranin (protein kinase C substrate, RC3)
8049567	0.02239918	-0.76011616	RAMP1	receptor (G protein-coupled) activity modifying protein 1
7955184	0.02239971	-0.38865949	PRPH	peripherin
8077450	0.02246795	-0.33853098	ARL8B	ADP-ribosylation factor-like 8B
8008540	0.02248531	-0.3707805	FLJ42842	uncharacterized FLJ42842
7967870	0.02249265	-0.50442104	TERF1	telomeric repeat binding factor (NIMA-interacting) 1
7969665	0.0225117	-0.31785763	HS6ST3	heparan sulfate 6-O-sulfotransferase 3
7893778	0.02252415	-0.30331615		
7950671	0.0225325	-0.32449008	GAB2	GRB2-associated binding protein 2
7900146	0.02256338	-0.50669604	ZC3H12A	zinc finger CCCH-type containing 12A
7894004	0.02261292	-0.57197977		
7918869	0.02272015	-0.31672532	NGF	nerve growth factor (beta polypeptide)
7929840	0.02275819	-0.34138901	PAX2	paired box 2
7955719	0.02278816	-0.5853758	HIGD1A	HIG1 hypoxia inducible domain family, member 1A
7987792	0.02280139	-0.30623845	PLA2G4D	phospholipase A2, group IVD (cytosolic)
7991772	0.02283536	-0.37135292	HBQ1	hemoglobin, theta 1
7910387	0.02284822	-0.41487135	RHOu	ras homolog family member U
7928746	0.02288075	-0.42850412		
7896398	0.02289499	-0.56234786		
8016463	0.02305445	-0.33959836	HOXB6	homeobox B6
8049598	0.02306453	-0.41366036	ESPNL	espin-like

8042251	0.02313198	-0.33084638	OTX1	orthodenticle homeobox 1
8083333	0.02317573	-0.30834586	EIF2A	eukaryotic translation initiation factor 2A, 65kDa
8141303	0.02318773	-0.39082838		
8099172	0.02322339	-0.37595106	CRMP1	collapsin response mediator protein 1
7976496	0.02323646	-0.34662107	SERPINA3	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member
7953697	0.02331522	-0.33217722		
7896324	0.02342616	-0.41711882		
7947221	0.02345421	-0.46365485	LIN7C	lin-7 homolog C (C. elegans)
8003840	0.02346158	-0.42210102	EMC6	ER membrane protein complex subunit 6
7937016	0.02350475	-0.386841	CLRN3	clarin 3
8088889	0.02363846	-0.3373212		
8019263	0.02366396	-0.39120489	ARHGDI A	Rho GDP dissociation inhibitor (GDI) alpha
7894502	0.02371148	-0.57231416		
7894862	0.02371227	-0.35613105		
8152512	0.02377635	-0.44395978	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b
7920256	0.02378071	-0.52521306		
8023727	0.02382188	-0.54358887	DSEL	dermatan sulfate epimerase-like
7903765	0.02388648	-2.80657645	GSTM1	glutathione S-transferase mu 1
8091863	0.02395895	-1.44659388	SLITRK3	SLIT and NTRK-like family, member 3
7914923	0.02400623	-0.3883317	OSCP1	organic solute carrier partner 1
8026163	0.02400683	-0.83125325	IER2	immediate early response 2
7893087	0.02401063	-0.35864595		
8066391	0.02421891	-0.45539776		
8102779	0.02436202	-0.31416575		
8122343	0.02436402	-0.37770049	HECA	headcase homolog (Drosophila)
7980425	0.02437771	-0.31825705	ISM2	isthmin 2
7892697	0.02443476	-0.52723697		
8022488	0.02448474	-0.41883731	ABHD3	abhydrolase domain containing 3
8072488	0.02472195	-0.31448667	DRG1	developmentally regulated GTP binding protein 1
8140140	0.02474001	-0.63393463	CLDN3	claudin 3
8025402	0.02475447	-1.0299977	ANGPTL4	angiotensin-like 4
8105111	0.02477418	-0.39150814	FBXO4	F-box protein 4
7935270	0.02479891	-0.51852086	BLNK	B-cell linker
8130403	0.02482936	-0.36519141		
8004521	0.02493475	-0.39030054	MPDU1	mannose-P-dolichol utilization defect 1
8170965	0.02496213	-0.31350077	CTAG1A///CTAG2///CT	cancer/testis antigen 1A///cancer/testis antigen 2///cancer/testis antigen 1B
8110872	0.02500576	-0.3790684	IRX2	iroquois homeobox 2
7957611	0.02502437	-0.30675515		
7979033	0.02504748	-0.44091821	SAV1	salvador homolog 1 (Drosophila)
8067820	0.02511803	-0.44436672	IQSEC3	IQ motif and Sec7 domain 3
8133155	0.0251423	-0.37952273	TPST1///TPST1	tyrosylprotein sulfotransferase 1///tyrosylprotein sulfotransferase 1
8148265	0.02514553	-0.32541619	RNF139	ring finger protein 139
8135601	0.02514937	-0.42875094	MET	met proto-oncogene (hepatocyte growth factor receptor)
8128716	0.02515417	-0.36886794	CD164	CD164 molecule, sialomucin
8045229	0.025186	-0.42299716	ARHGEF4///ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4///Rho guanine nucleotide exc
7997556	0.02522968	-0.34025101	DNAAF1///TAF1C	dynein, axonemal, assembly factor 1///TATA box binding protein (TBP)-associat
8019183	0.02522978	-0.33072592	ACTG1	actin, gamma 1
8147375	0.02526453	-0.46175394	DPY19L4	dpy-19-like 4 (C. elegans)
7892688	0.02537948	-0.56750676		
7975390	0.02538631	-0.41441156	SMOC1	SPARC related modular calcium binding 1
8032312	0.02551534	-0.31898879	ATP8B3	ATPase, aminophospholipid transporter, class I, type 8B, member 3
8068593	0.02552488	-0.71143207	ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)
8022418	0.02553354	-0.45049931		
8137485	0.02555227	-0.33073436	DPP6	dipeptidyl-peptidase 6
8169210	0.02568072	-0.56449138	RIPPLY1///CLDN2	rippy1 homolog (zebrafish)///claudin 2
8150908	0.02570623	-0.39409707	IMPAD1	inositol monophosphatase domain containing 1
8102594	0.02570979	-0.37260471	TNIP3	TNFAIP3 interacting protein 3
8056977	0.02572337	-0.3593071	NFE2L2	nuclear factor (erythroid-derived 2)-like 2
8066590	0.02577605	-0.36891177	TNNC2	troponin C type 2 (fast)
8033162	0.02578024	-0.30152477	KHSRP	KH-type splicing regulatory protein
8079163	0.02580835	-0.58638954		

8100306	0.02590369	-0.37449119		
7895217	0.02592048	-0.4714582		
7896310	0.02593443	-0.30808722		
7894704	0.02594183	-0.38018161		
8083415	0.02598718	-0.44414187	AADAC	arylacetamide deacetylase
8061944	0.02600145	-0.34539848	ACTL10	actin-like 10
7893173	0.02601082	-0.69304519		
7991898	0.02606118	-0.4740994	NHLRC4	NHL repeat containing 4
8144378	0.0261092	-0.43548758	AGPAT5	1-acylglycerol-3-phosphate O-acyltransferase 5
8079170	0.02614056	-0.33178241	TCAIM	T cell activation inhibitor, mitochondrial
8156848	0.02615146	-0.95555334	NR4A3	nuclear receptor subfamily 4, group A, member 3
8099506	0.02625425	-0.3595168	TAPT1	transmembrane anterior posterior transformation 1
8146717	0.02626105	-0.32853884	SGK3	serum/glucocorticoid regulated kinase family, member 3
8149720	0.02639784	-0.53197671	EGR3	early growth response 3
7893619	0.0264725	-0.50591131		
8036133	0.02651955	-0.32277986	UPK1A	uroplakin 1A
8062539	0.02652947	-0.32068848	SLC32A1	solute carrier family 32 (GABA vesicular transporter), member 1
7914354	0.02656147	-0.34405917	PEF1	penta-EF-hand domain containing 1
8042962	0.02658871	-0.42156346	MRPL19	mitochondrial ribosomal protein L19
7903162	0.02660328	-0.31385927	TMEM56	transmembrane protein 56
7895973	0.02661055	-0.34212364		
8073007	0.02671792	-0.57984919	MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)
8111788	0.02673459	-0.38484986	TTC33	tetratricopeptide repeat domain 33
8044301	0.02674857	-0.30485791	SOWAHC	sosondawah ankyrin repeat domain family member C
8131803	0.0268214	-0.89782804	IL6	interleukin 6 (interferon, beta 2)
7896255	0.0268285	-0.49141501		
7913146	0.02684534	-0.30739874	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)
8064779	0.0268465	-0.34906901	ADRA1D	adrenoceptor alpha 1D
7911376	0.02686542	-0.31042638	HES4	hairy and enhancer of split 4 (Drosophila)
7941172	0.02693658	-0.36190574	SPDYC	speedy/RINGO cell cycle regulator family member C
8138527	0.0269443	-0.34457007	STEAP1B	STEAP family member 1B
8172030	0.02694978	-0.30162403		
7969479	0.02704771	-0.31087773	BTF3P11	basic transcription factor 3 pseudogene 11
7975626	0.02706253	-0.45496525	ELMSAN1	ELM2 and Myb/SANT-like domain containing 1
7997712	0.02712303	-0.72653936	IRF8	interferon regulatory factor 8
7976858	0.02733543	-0.35806974	DIO3	deiodinase, iodothyronine, type III
8052698	0.02736741	-0.3432308	C1D	C1D nuclear receptor corepressor
7963760	0.02745965	-0.34943116	NFE2	nuclear factor (erythroid-derived 2), 45kDa
8142697	0.0275065	-0.38058452	POT1	protection of telomeres 1
7894355	0.02752803	-0.47717593		
7995438	0.02755705	-0.39120457		
7930398	0.02760936	-0.31817982	MX11	MAX interactor 1, dimerization protein
8177046	0.02779921	-0.55366392		
7897034	0.02784002	-0.31623434	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta
8171823	0.02789586	-0.34248416	APOO	apolipoprotein O
8032834	0.02793904	-0.60454653	LRG1	leucine-rich alpha-2-glycoprotein 1
8065353	0.02795063	-0.46532419	THBD	thrombomodulin
7896690	0.0280276	-0.50665589		
8001798	0.02805468	-0.31075312		
7913850	0.02810734	-0.33194813	LOC646471///MTFR1L	uncharacterized LOC646471///mitochondrial fission regulator 1-like
8002999	0.02810917	-0.31232508	GCSHP3///LOC729080	glycine cleavage system protein H (aminomethyl carrier) pseudogene 3///glycine cleavage system protein H (aminomethyl carrier) pseudogene///glycine cleavage system protein H (aminomethyl carrier)
7941269	0.02816762	-0.39682246		
8123728	0.0281749	-0.35133147	LYRM4	LYR motif containing 4
8078435	0.02818281	-0.32867305	TRIM71	tripartite motif containing 71, E3 ubiquitin protein ligase
7965040	0.02819495	-0.9639456	PHLDA1	pleckstrin homology-like domain, family A, member 1
7917728	0.02825363	-0.38428366	FAM69A	family with sequence similarity 69, member A
8010237	0.02831182	-0.40665404	C17orf99	chromosome 17 open reading frame 99
8023871	0.02831187	-0.31651338	ZADH2	zinc binding alcohol dehydrogenase domain containing 2
7895334	0.02831804	-0.40671984		
8061357	0.02832728	-0.41737689	PAX1	paired box 1

7955441	0.02841787	-0.34617998	METTL7A	methyltransferase like 7A
7922051	0.02846687	-0.36141561	CREG1	cellular repressor of E1A-stimulated genes 1
7894304	0.02854155	-0.43810697		
8016540	0.02857595	-0.38617005	PHOSPHO1	phosphatase, orphan 1
7901802	0.02859746	-0.31103064	MGC34796	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase) pseudogen
8121144	0.02862334	-0.53181855	MANEA	mannosidase, endo-alpha
8168578	0.0286449	-0.32061114	UBE2DNL	ubiquitin-conjugating enzyme E2D N-terminal like (pseudogene)
7968236	0.02879759	-0.32860821	RASL11A	RAS-like, family 11, member A
8076677	0.02881079	-0.32440831	PHF21B	PHD finger protein 21B
7915329	0.02889301	-0.35165665		
7980523	0.02894642	-0.36038494	GTF2A1	general transcription factor IIA, 1, 19/37kDa
8010036	0.02915004	-0.31136209	ZACN///EXOC7///EXOC	zinc activated ligand-gated ion channel///exocyst complex component 7///exocys
8151125	0.02920851	-0.38130249	TCF24	transcription factor 24
7936826	0.0293103	-0.49470972	IKZF5	IKAROS family zinc finger 5 (Pegasus)
8141066	0.0293129	-0.34087125	PON3	paraoxonase 3
8083324	0.02931723	-0.44598425	TSC22D2	TSC22 domain family, member 2
7984174	0.02934602	-0.36266321	SNX22///PPIB	sorting nexin 22///peptidylprolyl isomerase B (cyclophilin B)
8106336	0.02935051	-0.32301615	SV2C	synaptic vesicle glycoprotein 2C
8065403	0.02937605	-0.34332977	CST3	cystatin C
7935692	0.02946431	-0.34669087	ERLIN1	ER lipid raft associated 1
8166569	0.02947284	-0.38794584		
8075118	0.02950802	-0.37285849	CRYBB1	crystallin, beta B1
7893082	0.02963252	-0.72359235		
7893928	0.02963398	-0.44527055		
8099073	0.02966075	-0.36510382	LRPAP1	low density lipoprotein receptor-related protein associated protein 1
8112592	0.02969395	-0.30322489	FOXD1	forkhead box D1
7914974	0.02974117	-0.31862742	GRIK3	glutamate receptor, ionotropic, kainate 3
7990090	0.02983301	-0.30991691		
8024934	0.02984721	-0.30359383	ZNRF4	zinc and ring finger 4
8037003	0.02989863	-0.34628531		
8086729	0.02990948	-0.34223589	KIF9	kinesin family member 9
7914180	0.03003791	-0.31162767	SPCS2	signal peptidase complex subunit 2 homolog (S. cerevisiae)
8175288	0.03006719	-0.49348638	MOSPD1	motile sperm domain containing 1
8142307	0.03007847	-0.46495251	PNPLA8	patatin-like phospholipase domain containing 8
7974207	0.03022414	-0.33246294	MGAT2	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
8109505	0.03025007	-0.3168818	PPP1R2P3	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 3
7956613	0.03028358	-0.32320653	TSPAN31	tetraspanin 31
8114778	0.03032904	-0.31923659	LOC729080///GCSH	glycine cleavage system protein H (aminomethyl carrier) pseudogene///glycine c
8015376	0.03035113	-0.35383165	KRT16	keratin 16
8060594	0.03039813	-0.31677192	GNRH2	gonadotropin-releasing hormone 2
7974531	0.03044569	-0.40690066	RPL13AP3	ribosomal protein L13a pseudogene 3
8042283	0.03045036	-0.4313904	LGALS	lectin, galactoside-binding-like
7924526	0.03052556	-0.5730035	TP53BP2	tumor protein p53 binding protein, 2
8037205	0.03060711	-0.37469774	CEACAM1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
8085116	0.03069795	-0.4270489	EDEM1	ER degradation enhancer, mannosidase alpha-like 1
8041000	0.0308347	-0.34092652	GPN1	GPN-loop GTPase 1
8157246	0.03093764	-0.30004733	KIAA1958	KIAA1958
8162848	0.03102888	-0.46982795		
7893259	0.03106309	-0.45965939		
7975268	0.03108553	-0.67223504	VT11B///ARG2	vesicle transport through interaction with t-SNAREs 1B///arginase 2
7969414	0.03118009	-0.75072228	KLF5	Kruppel-like factor 5 (intestinal)
7896667	0.03119811	-0.30314426		
8166202	0.03140884	-0.31081949	GRPR	gastrin-releasing peptide receptor
7910001	0.03146211	-0.34819306	DEGS1	delta(4)-desaturase, sphingolipid 1
7974229	0.03148209	-0.32930146	KLHDC2	kelch domain containing 2
7945781	0.0315067	-0.32735019	PHLDA2	pleckstrin homology-like domain, family A, member 2
8119609	0.03162741	-0.43975818	CNPY3	canopy 3 homolog (zebrafish)
8154163	0.03165353	-0.36892988	RCL1	RNA terminal phosphate cyclase-like 1
7924553	0.03173748	-0.37378922		
8148559	0.03178579	-0.3286659	THEM6	thioesterase superfamily member 6
8153322	0.03181092	-0.32572281	ARC	activity-regulated cytoskeleton-associated protein

7997569	0.03183536	-0.3593739	ADAD2	adenosine deaminase domain containing 2
7989365	0.03184464	-0.35315308	RORA	RAR-related orphan receptor A
8096905	0.03194318	-0.3484977	AP1AR	adaptor-related protein complex 1 associated regulatory protein
7894138	0.0319447	-0.41249327		
8112072	0.03205433	-0.32973633	CCNO	cyclin O
7919582	0.03215064	-0.45153478		
8062461	0.0321613	-0.4378055	LBP	lipopolysaccharide binding protein
7909127	0.03217148	-0.30164741	MFSD4	major facilitator superfamily domain containing 4
8004241	0.03218767	-0.30138601	RNASEK///C17orf49	ribonuclease, RNase K///chromosome 17 open reading frame 49
7925950	0.03226732	-0.44792722	UCN3	urocortin 3
7905929	0.03228423	-0.46237758	EFNA1	ephrin-A1
8131406	0.03229614	-0.43798212	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein)
8029701	0.03231542	-0.56255539	PPM1N	protein phosphatase, Mg2+/Mn2+ dependent, 1N (putative)
7950032	0.03231706	-0.32374714	FGF4	fibroblast growth factor 4
7895685	0.03232665	-0.38863908		
7901883	0.03239727	-0.30073131	ANGPTL3	angiopoietin-like 3
7916609	0.032456	-1.19924629	JUN	jun proto-oncogene
8157139	0.03247628	-0.39821883		
8174891	0.03251936	-0.34442849		
8015037	0.0326976	-0.4437154		
7918379	0.03271243	-1.06526659	GSTM3	glutathione S-transferase mu 3 (brain)
7912670	0.03271953	-0.41278526	UQCRHL//UQCRH	ubiquinol-cytochrome c reductase hinge protein-like///ubiquinol-cytochrome c reductase protein
8089013	0.03272423	-0.44129858		
8129254	0.03277701	-0.31788096	MAN1A1	mannosidase, alpha, class 1A, member 1
8161648	0.03279122	-0.58184507	KLF9	Kruppel-like factor 9
7990729	0.03282401	-0.32144785	CHRN4	cholinergic receptor, nicotinic, beta 4 (neuronal)
8128001	0.03287032	-0.36487137	CGA	glycoprotein hormones, alpha polypeptide
7997733	0.03289396	-0.39153926	FOXC2	forkhead box C2 (MFH-1, mesenchyme forkhead 1)
8013509	0.03292713	-0.30154468	C17orf103	chromosome 17 open reading frame 103
7894927	0.03314685	-0.49501761		
8144505	0.03314709	-0.31133007	CLDN23	claudin 23
7994804	0.03315019	-0.30419955	MYL6F	myosin light chain, phosphorylatable, fast skeletal muscle
7961507	0.0331577	-0.41364629	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)
8076561	0.03322706	-0.37209892	KIAA1654	KIAA1654 protein
8066031	0.033325	-0.30769332	SCAND1	SCAN domain containing 1
8048699	0.03339672	-0.37034553		
7989915	0.03350831	-0.35760344	TIPIN	TIMELESS interacting protein
7979179	0.03356123	-0.49963529	ERO1L	ERO1-like (S. cerevisiae)
8076128	0.0336813	-0.40784078	JOSD1	Josephin domain containing 1
8070169	0.03371285	-0.32026315		
8096538	0.03381924	-0.39575948	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1
8129637	0.03384934	-0.71846815	VNN2	vanin 2
8034578	0.03392588	-0.44430408	KLF1	Kruppel-like factor 1 (erythroid)
8172573	0.03396907	-0.42796571	SYP	synaptophysin
8043718	0.0340294	-0.35804576	COX5B	cytochrome c oxidase subunit Vb
7895873	0.03416901	-0.54949333		
8154848	0.03420829	-0.38688874	PRSS3//PRSS2	protease, serine, 3//protease, serine, 2 (trypsin 2)
8038782	0.03425367	-0.34151532	CTU1	cytosolic thiouridylase subunit 1
7892808	0.03429172	-0.35178188		
8046086	0.03432726	-0.47280196	CERS6	ceramide synthase 6
7930311	0.03451604	-0.38494613	GSTO2	glutathione S-transferase omega 2
7956668	0.03452285	-0.35508016		
7943760	0.03458118	-0.32568226	SIK2	salt-inducible kinase 2
8139889	0.03473559	-0.57016099		
8066513	0.03475014	-0.50765406	SDC4	syndecan 4
8071809	0.03475814	-1.11041942	GSTT2B//GSTT2	glutathione S-transferase theta 2B (gene/pseudogene)//glutathione S-transferase
8156058	0.03477317	-0.3385584		
7932794	0.03479717	-0.43998284		
8070863	0.03481119	-0.32447879	SSR4P1	signal sequence receptor, delta pseudogene 1
7926674	0.03486934	-0.39434239	PTF1A	pancreas specific transcription factor, 1a
7898673	0.03489448	-0.38741235		

7992678	0.03498186	-0.43720439	LOC652276	potassium channel tetramerisation domain containing 5 pseudogene
7894599	0.03506526	-0.8500798		
8100994	0.03521137	-0.89961072	CXCL2	chemokine (C-X-C motif) ligand 2
7896079	0.03523457	-0.78866393		
7945101	0.03531058	-0.33274163	DCPS	decapping enzyme, scavenger
8105302	0.03539902	-1.07895136	FST	follistatin
8039892	0.03575151	-0.31856104	KIR2DS5///KIR2DS3	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5///killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3
7907859	0.03583894	-0.36042964		
8170633	0.03585005	-0.41274458		
8175773	0.03585005	-0.41274458		
8084963	0.03587451	-0.5106764	PAK2	p21 protein (Cdc42/Rac)-activated kinase 2
8000467	0.03590794	-0.33572319	GSG1L	GSG1-like
7893500	0.03604075	-0.36131196		
8040547	0.03609127	-0.36165176		
8011990	0.03610252	-0.3392767	TEKT1	tektin 1
8034565	0.03613846	-0.35546524	DNASE2	deoxyribonuclease II, lysosomal
7924758	0.03615374	-0.68660195		
8143788	0.0362049	-0.31173326		
7941122	0.03622614	-0.42196295	SAC3D1	SAC3 domain containing 1
7968734	0.03622724	-0.430126	SLC25A15	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15
8166455	0.03628888	-0.37811587	PRDX4	peroxiredoxin 4
8135392	0.03634644	-0.31292591	HBP1	HMG-box transcription factor 1
8018864	0.03637402	-0.97614025	SOCS3	suppressor of cytokine signaling 3
8130715	0.03637743	-0.31640538	PRR18	proline rich 18
8107100	0.03637959	-0.52635217	RGMB	RGM domain family, member B
7919600	0.0364701	-1.18776629		
8180277	0.03649965	-0.41422308	PCDHA3	protocadherin alpha 3
7970563	0.03653589	-0.3664252		
8107671	0.03656598	-0.49789462		
8111216	0.03662959	-0.31002799		
7999360	0.03669984	-0.35232371	RPL21P28///RPL21	ribosomal protein L21 pseudogene 28///ribosomal protein L21
8005097	0.03674099	-0.41900767	HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1
8024728	0.03680636	-0.4029797	NMRK2	nicotinamide riboside kinase 2
8108066	0.03683949	-0.30291868	UBE2B	ubiquitin-conjugating enzyme E2B
8166049	0.03687075	-0.31750506	PRPS2	phosphoribosyl pyrophosphate synthetase 2
8040516	0.0369157	-0.5051371	MFSD2B	major facilitator superfamily domain containing 2B
7974387	0.03694516	-0.31008798	STYX	serine/threonine/tyrosine interacting protein
8161190	0.03703269	-0.49644051		
8077441	0.03709841	-0.47519167	BHLHE40	basic helix-loop-helix family, member e40
8049187	0.0372187	-0.83626207	EFHD1	EF-hand domain family, member D1
7896070	0.03722737	-0.33076845		
8069676	0.03736156	-0.85879656	ADAMTS1	ADAM metalloproteinase with thrombospondin type 1 motif, 1
8090291	0.03743618	-0.41555263	ALG1L	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase-like
7893424	0.03747201	-0.53942236		
8048705	0.03747287	-0.31537828		
7896239	0.03748422	-0.82097306		
7978748	0.03748752	-0.46587441	FBXO33	F-box protein 33
8142912	0.03752103	-0.36271778	TMEM209	transmembrane protein 209
8042788	0.03757364	-0.51907	ACTG2	actin, gamma 2, smooth muscle, enteric
8032525	0.03760865	-0.30075297	SLC39A3	solute carrier family 39 (zinc transporter), member 3
8000323	0.03761989	-0.31043876	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa
8143040	0.03762051	-0.33487517	SLC35B4	solute carrier family 35, member B4
8042115	0.03765576	-0.31046491		
7974253	0.03766438	-0.36563707		
7896544	0.03767489	-0.42552135		
7980098	0.0377386	-0.3229128	CCDC176///ALDH6A1//	coiled-coil domain containing 176///aldehyde dehydrogenase 6 family, member 176///aldehyde dehydrogenase 6 family, member A1
8151056	0.03776473	-0.44895028	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1
8162610	0.03790572	-0.31454809	CDC14B	cell division cycle 14B
8046680	0.03792176	-0.37746179	PLEKHA3	pleckstrin homology domain containing, family A (phosphoinositide binding specific)
8148553	0.03792385	-0.33180889	LY6K	lymphocyte antigen 6 complex, locus K
7893640	0.03796471	-0.47023799		

7895180	0.0380123	-0.39490714		
7915084	0.03802175	-0.41401087	YRDC	yrnC domain containing (E. coli)
8131539	0.03805652	-0.42472604	TMEM106B	transmembrane protein 106B
7965510	0.03818661	-0.37599997	TMCC3	transmembrane and coiled-coil domain family 3
7892839	0.03828469	-0.52130725		
8086462	0.03828507	-0.34427825	GTDC2	glycosyltransferase-like domain containing 2
8146930	0.03831349	-0.37505013	TMEM70	transmembrane protein 70
7981309	0.03833545	-0.37944993	BEGAIN	brain-enriched guanylate kinase-associated
8157818	0.03840628	-0.34990148	WDR38	WD repeat domain 38
7896230	0.03847837	-0.32376766		
7998910	0.03849053	-0.3726705	CCDC64B	coiled-coil domain containing 64B
8088745	0.03856495	-0.40317011	FRMD4B	FERM domain containing 4B
8117045	0.0385961	-0.42829137	RBM24	RNA binding motif protein 24
7922717	0.03870875	-0.40204553	RGS16	regulator of G-protein signaling 16
8036557	0.0387583	-0.44289261		
8006569	0.03883207	-0.32168146	C17orf50	chromosome 17 open reading frame 50
7894519	0.0389427	-0.45007921		
7965508	0.03895378	-0.43266683		
8167880	0.03902056	-0.30822552	PAGE5	P antigen family, member 5 (prostate associated)
7892661	0.0390339	-0.34842873		
8136215	0.03911033	-0.33587842		
8013747	0.03911946	-0.30577509	PROCA1	protein interacting with cyclin A1
8151296	0.03918597	-0.44884649	LACTB2	lactamase, beta 2
8146115	0.03926141	-0.70187996	C8orf4	chromosome 8 open reading frame 4
7936242	0.03927188	-0.32557283	ITPRIP	inositol 1,4,5-trisphosphate receptor interacting protein
7917088	0.03939231	-0.47481236	PIGK	phosphatidylinositol glycan anchor biosynthesis, class K
7969651	0.03940047	-0.42909617	DNAJC3	DnaJ (Hsp40) homolog, subfamily C, member 3
7957467	0.03940386	-0.33457218	C12orf29///CEP290	chromosome 12 open reading frame 29///centrosomal protein 290kDa
7939465	0.0394497	-0.32307716	HSD17B12	hydroxysteroid (17-beta) dehydrogenase 12
8125316	0.03948778	-0.31327916	FKBPL	FK506 binding protein like
8043320	0.03967198	-0.42123852	LOC400965	uncharacterized LOC400965
7902074	0.03978258	-0.53527499	LEPROT///LEPR	leptin receptor overlapping transcript///leptin receptor
8139879	0.04009814	-0.40630081	SKP1	S-phase kinase-associated protein 1
8043022	0.0402328	-0.3720733		
7898693	0.04023794	-0.57118973	ALPL	alkaline phosphatase, liver/bone/kidney
8072113	0.04024057	-0.3599734	SRRD	SRR1 domain containing
7892682	0.04028159	-0.61767811		
8132897	0.04031903	-0.38316288	LANCL2	LanC lantibiotic synthetase component C-like 2 (bacterial)
7895149	0.04033131	-0.35104922		
8021707	0.04036137	-0.40527748	SOCS6	suppressor of cytokine signaling 6
7960253	0.04036618	-0.40279901	NINJ2	ninjurin 2
8180373	0.04044063	-0.30530173	SUMO1	small ubiquitin-like modifier 1
8131881	0.04050256	-0.51546753	FAM221A	family with sequence similarity 221, member A
7909888	0.04055082	-0.39481768		
7895876	0.04064224	-0.51776048		
7894830	0.04078726	-0.38072844		
8133704	0.04086501	-0.31752423	SRRM3///SRRM3	serine/arginine repetitive matrix 3///serine/arginine repetitive matrix 3
8143949	0.04092381	-0.31269606	CRYGN	crystallin, gamma N
8026292	0.04102516	-0.33918384	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange pr
8051215	0.04106882	-0.34905397	BRE-AS1///RBKS	BRE antisense RNA 1///ribokinase
7892603	0.04119487	-0.57770842		
7893641	0.04123141	-0.41225582		
8042532	0.04131916	-0.31021714	VAX2	ventral anterior homeobox 2
8090891	0.04135466	-0.33407575	EPHB1	EPH receptor B1
8114572	0.04145722	-0.69304903	HBEGF	heparin-binding EGF-like growth factor
7930304	0.04152995	-0.44213784	GSTO1	glutathione S-transferase omega 1
7894542	0.04163326	-0.45839945		
7978628	0.04169152	-0.303697	PPP2R3C	protein phosphatase 2, regulatory subunit B", gamma
8097461	0.04169451	-0.94018506	CCRN4L///CCRN4L	CCR4 carbon catabolite repression 4-like (S. cerevisiae)///CCR4 carbon catabolite like (S. cerevisiae)
7910494	0.04171778	-0.38933035	ARV1	ARV1 homolog (S. cerevisiae)
8096733	0.04175978	-0.38660729	SGMS2	sphingomyelin synthase 2

7933872	0.0418679	-0.67145235	EGR2	early growth response 2
8000998	0.04187791	-0.3586624	VKORC1	vitamin K epoxide reductase complex, subunit 1
8105852	0.0419086	-0.32586931	MRPS36	mitochondrial ribosomal protein S36
7982574	0.04192064	-0.35892474	FAM98B	family with sequence similarity 98, member B
7978846	0.04198855	-0.41409048	POLE2	polymerase (DNA directed), epsilon 2, accessory subunit
7984405	0.04211497	-0.46112505	C15orf61	chromosome 15 open reading frame 61
8156761	0.04219894	-0.3833524	NANS	N-acetylneuraminic acid synthase
8038899	0.04239774	-0.51731989	FPR1	formyl peptide receptor 1
8065327	0.04247344	-0.43658117	NKX2-4	NK2 homeobox 4
7896060	0.04249677	-0.40557897		
8051949	0.04278211	-0.4063265	SIX2	SIX homeobox 2
7919564	0.04299338	-0.53504869		
7984103	0.04300036	-0.33968794	LACTB	lactamase, beta
8008980	0.04302428	-0.41815642	C17orf82	chromosome 17 open reading frame 82
8067111	0.04316854	-0.34170788		
7894165	0.04336137	-0.43868054		
8113369	0.04337134	-0.85935617	SLCO4C1	solute carrier organic anion transporter family, member 4C1
8037179	0.04340699	-0.36773145	CNFN	cornifelin
7964660	0.04343101	-1.04348582	AVPR1A	arginine vasopressin receptor 1A
7944623	0.04345925	-0.30698576	TBCEL	tubulin folding cofactor E-like
8067812	0.04353198	-0.33554639	C20orf201	chromosome 20 open reading frame 201
8154135	0.04367493	-0.48780871	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system X _{AG}) member 1
8160531	0.04367916	-0.46596527	C9orf72	chromosome 9 open reading frame 72
7896581	0.04376155	-0.60576349		
8119161	0.04379688	-0.3655529	PIM1	pim-1 oncogene
7898594	0.04380584	-0.31414433	HTR6	5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled
7953032	0.04385456	-0.31093702	LRTM2	leucine-rich repeats and transmembrane domains 2
8054154	0.0439285	-0.31709247	KIAA1211L	KIAA1211-like
8039269	0.04396328	-0.33332001	LENG8//LENG9	leukocyte receptor cluster (LRC) member 8//leukocyte receptor cluster (LRC) member 9
7930208	0.0439735	-0.32327182	INA	internexin neuronal intermediate filament protein, alpha
8023246	0.04427122	-0.44347621	C18orf32	chromosome 18 open reading frame 32
7962884	0.04428387	-0.91955532	RND1	Rho family GTPase 1
7935011	0.04430029	-0.37042566	CPEB3	cytoplasmic polyadenylation element binding protein 3
8057045	0.04431619	-0.35951489	FKBP7	FK506 binding protein 7
7897424	0.0443265	-0.31869502		
7975284	0.04434487	-0.37654479	RDH12	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)
7892526	0.04444113	-0.54199907		
8103166	0.04454597	-0.36943995	SH3D19	SH3 domain containing 19
8162833	0.04468221	-0.33186974	ERP44	endoplasmic reticulum protein 44
7994961	0.04472426	-0.30552266	CTF1	cardiotrophin 1
7894119	0.04474271	-0.51751825		
8156043	0.04480562	-0.33093067	PSAT1	phosphoserine aminotransferase 1
7967660	0.04498187	-0.33108713	RIMBP2	RIMS binding protein 2
8064502	0.04504349	-0.34076308	SNRNPB//SNRPB	small nuclear ribonucleoprotein polypeptides B and B1//small nuclear ribonucleoprotein polypeptides B and B1
8179221	0.04504621	-0.34468993	DPCR1	diffuse panbronchiolitis critical region 1
8122013	0.04529034	-0.43236609	L3MBTL3	l(3)mbt-like 3 (Drosophila)
7896278	0.04530243	-0.31632531		
8103892	0.04534194	-0.31818744		
8039389	0.0454938	-0.53296458	PTPRH	protein tyrosine phosphatase, receptor type, H
7894788	0.04554422	-0.44019559		
8154305	0.04564674	-0.32248636	SELT	selenoprotein T
7964832	0.04565144	-0.51531905		
8139460	0.04567281	-0.30409919	NACAD	NAC alpha domain containing
8080184	0.04572773	-0.43406508	ALAS1	aminolevulinic acid, delta-, synthase 1
8030749	0.0458141	-0.34302471		
8112327	0.04585459	-0.32325777	CKS1B	CDC28 protein kinase regulatory subunit 1B
8006634	0.04585563	-0.38575586	PIGW	phosphatidylinositol glycan anchor biosynthesis, class W
8144685	0.04588065	-0.46600653		
8028719	0.04588984	-0.30297679	DLL3	delta-like 3 (Drosophila)
8019074	0.04590943	-0.30784858	NPTX1	neuronal pentraxin I
8110237	0.04599519	-0.32463613	UNC5A	unc-5 homolog A (C. elegans)

8103399	0.0460248	-0.34168137	PDGFC	platelet derived growth factor C
8040270	0.04604606	-0.30668553	C2orf50	chromosome 2 open reading frame 50
8037502	0.04608252	-0.30936894	NKPD1	NTPase, KAP family P-loop domain containing 1
8138922	0.04609038	-0.43977166	KBTBD2	kelch repeat and BTB (POZ) domain containing 2
7984660	0.04614986	-0.59772748		
8109697	0.04618032	-0.34160251	CCNG1	cyclin G1
8056763	0.04626457	-0.50138702	RPS15	ribosomal protein S15
8175177	0.04644161	-0.40455334	MBNL3	muscleblind-like splicing regulator 3
7932227	0.04654376	-0.37299962	NMT2	N-myristoyltransferase 2
7947649	0.04664147	-0.33839254	CHRM4	cholinergic receptor, muscarinic 4
7936916	0.04666062	-0.37132291	FLJ40536	FLJ40536 protein
8021470	0.04669698	-0.30660694	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1
8073992	0.0467102	-0.31520528	PANX2	pannexin 2
7992732	0.04676855	-0.3732518	ZG16B	zymogen granule protein 16B
7895246	0.04695187	-0.58685476		
8139828	0.04705725	-0.3096443		
8137931	0.04714298	-0.31127236	MMD2	monocyte to macrophage differentiation-associated 2
8169920	0.04718826	-0.38944057	RBMX2	RNA binding motif protein, X-linked 2
7981783	0.0472862	-0.41832815	OR4N4	olfactory receptor, family 4, subfamily N, member 4
8106962	0.04735951	-0.38628844	ARSK	arylsulfatase family, member K
7940022	0.04739637	-0.43655	RTN4RL2	reticulon 4 receptor-like 2
7961626	0.04744029	-0.66688432	SLCO1A2	solute carrier organic anion transporter family, member 1A2
8175537	0.04757382	-0.49592705	SPANXA2-OT1	SPANXA2 overlapping transcript 1 (non-protein coding)
8074063	0.04763452	-0.39919584	ADM2	adrenomedullin 2
8090639	0.04775727	-0.33510458	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4
8092095	0.04777602	-0.39039726	TNIK	TRAF2 and NCK interacting kinase
8092314	0.04788819	-0.3010854	DNAJC19	DnaJ (Hsp40) homolog, subfamily C, member 19
7893652	0.04789673	-0.53847207		
7922472	0.04793304	-0.32057647		
7924603	0.04798643	-0.30569892	LBR	lamin B receptor
7945371	0.0480214	-0.31510022	IFITM3	interferon induced transmembrane protein 3
8023710	0.04803044	-0.47750003	CDH19	cadherin 19, type 2
8060418	0.04807919	-0.4299071	SIRPA	signal-regulatory protein alpha
7895267	0.04813092	-0.65876524		
7968670	0.04813242	-0.37148649	UFM1	ubiquitin-fold modifier 1
7988426	0.04815445	-0.37502611	SLC30A4	solute carrier family 30 (zinc transporter), member 4
8162825	0.04823702	-0.43122287		
8056730	0.04828219	-0.34111728	LOC440925	uncharacterized LOC440925
8049435	0.04832363	-0.3644272	SH3BP4	SH3-domain binding protein 4
7925043	0.04833157	-0.36887144	EXOC8///SPRTN	exocyst complex component 8///SprT-like N-terminal domain
8086949	0.04843583	-0.34862771	CCDC51	coiled-coil domain containing 51
8171161	0.04844577	-0.4643664	ARSE	arylsulfatase E (chondrodysplasia punctata 1)
7995866	0.04845392	-0.30480636	MIR138-2	microRNA 138-2
8080998	0.04845937	-0.42463023		
8110865	0.04848899	-0.31198208	IRX4	iroquois homeobox 4
7992716	0.04856993	-0.4012807	PRSS41	protease, serine, 41
8100202	0.04863039	-0.59941823	LOC280665///CNGA1	anti-CNG alpha 1 cation channel translation product-like///cyclic nucleotide gate
8033458	0.04865324	-0.31934509	LOC388499///LYPLA2	lysophospholipase II pseudogene///lysophospholipase II
8146427	0.04868957	-0.49228482	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1
8123936	0.04878114	-0.48467684	NEDD9///NEDD9	neural precursor cell expressed, developmentally down-regulated 9///neural pre expressed, developmentally down-regulated 9
7916120	0.04884725	-0.43140927	TXNDC12	thioredoxin domain containing 12 (endoplasmic reticulum)
7961865	0.04898419	-0.34980162	LYRM5///KRAS	LYR motif containing 5///v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
8059731	0.04901827	-0.33575194	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta
8003344	0.04902658	-0.33401686	SNAI3	snail family zinc finger 3
7987472	0.04908388	-0.32549584	C15orf56///C15orf56	chromosome 15 open reading frame 56///chromosome 15 open reading frame 5
8131600	0.04909259	-0.82742201	TSPAN13	tetraspanin 13
8052940	0.04913736	-0.34259164	PAIP2B	poly(A) binding protein interacting protein 2B
7896707	0.04927863	-0.396316		
7949843	0.04941305	-0.39256652	CABP2	calcium binding protein 2
8006433	0.04957766	-0.80150668	CCL2	chemokine (C-C motif) ligand 2
7923659	0.04970296	-0.30852482	PPP1R15B	protein phosphatase 1, regulatory subunit 15B

7983763	0.04971166	-0.46361643	MAPK6	mitogen-activated protein kinase 6
7941469	0.04977356	-0.36473252	TSGA10IP	testis specific, 10 interacting protein
8169699	0.04985667	-0.33899633		
8016841	0.04990781	-0.41095366	TMEM100	transmembrane protein 100
7902036	0.04997828	-0.34125517		

Comparison of *PTEN* expression in livers between 9 normal and 24 NAFLD/NASH individuals (female).

Probe ID	p-value	Log (Fold Change)	Gene Symbol	Gene Description
7928959	0.88502	-0.06754	PTEN	phosphatase and tensin homolog