

Column 1	Column 2	Column 3	Column 4	Column 5
GeneID	Symbol	Description	log2(fold change)	-log10(Pvalue)
100287102	DDX11L1	DEAD/H-box helicase 11 like 1 (pseudogene)	-2.796	2.434
102725121	DDX11L17	DEAD/H-box helicase 11 like 17 (pseudogene)	-2.832	2.372
113219467	MIR12136	microRNA 12136	-1.869	3.382
8764	TNFRSF14	TNF receptor superfamily member 14	-0.892	2.358
83715	ESPN	espin	-1.676	1.418
8718	TNFRSF25	TNF receptor superfamily member 25	-1.503	1.557
26270	FBXO6	F-box protein 6	1.703	2.241
65018	PINK1	PTEN induced kinase 1	-1.547	1.603
6135	RPL11	ribosomal protein L11	-1.469	2.236
1269	CNR2	cannabinoid receptor 2	-1.447	1.695
1043	CD52	CD52 molecule	-2.444	2.958
55113	XKR8	XK related 8	-1.216	2.176
2035	EPB41	erythrocyte membrane protein band 4.1	-2.251	3.348
65108	MARCKSL1	MARCKS like 1	-1.303	2.249
83931	STK40	serine/threonine kinase 40	-0.852	1.458
4520	MTF1	metal regulatory transcription factor 1	1.287	2.19
4904	YBX1	Y-box binding protein 1	-1.751	2.37
6513	SLC2A1	solute carrier family 2 member 1	-0.964	1.373
107984947	MED8-AS1	MED8 antisense RNA 1	0.736	1.535
10158	PDZK1IP1	PDZK1 interacting protein 1	-3.761	2.889
4774	NFIA	nuclear factor I A	-2.172	2.517
84251	SGIP1	SH3GL interacting endocytic adaptor 1	-6.601	1.451
91624	NEXN	nexilin F-actin binding protein	1.679	2.464
6125	RPL5	ribosomal protein L5	-2.031	2.37
148534	TLCD4	TLC domain containing 4	-2.576	3.276
271	AMPD2	adenosine monophosphate deaminase 2	-1.696	3.204
140	ADORA3	adenosine A3 receptor	-2.202	1.613
105378916	LINC01765	long intergenic non-protein coding RNA 1765	-6.824	2.375
338391	H2BP2	H2B histone pseudogene 2	2.127	1.321
100132417	FCGR1CP	Fc gamma receptor 1c, pseudogene	2.401	1.755
8799	PEX11B	peroxisomal biogenesis factor 11 beta	-1.065	1.806
10628	TXNIP	thioredoxin interacting protein	-0.814	3.241
440689	H2BC18	H2B clustered histone 18	2.034	1.477
8370	H4C14	H4 clustered histone 14	2.066	2.89
8337	H2AC18	H2A clustered histone 18	1.984	3.383
723790	H2AC19	H2A clustered histone 19	1.981	3.133
112268238	LOC112268238	replaced by ID 554313	1.573	4.471
554313	H4C15	H4 clustered histone 15	2.237	3.241
8349	H2BC21	H2B clustered histone 21	1.634	1.999
54460	MRPS21	mitochondrial ribosomal protein S21	-0.978	1.698
8991	SELENBP1	selenium binding protein 1	-4.102	3.906
6232	RPS27	ribosomal protein S27	-1.829	1.674
57326	PBXIP1	PBX homeobox interacting protein 1	-0.946	1.56
2629	GBA1	glucosylceramidase beta 1	0.981	1.4
911	CD1C	CD1c molecule	-2.649	3.241
105371461	LOC105371461	replaced by ID 9447	2.267	1.983
2532	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	-3.652	2.945
2205	FCER1A	Fc epsilon receptor 1a	-4.266	3.754
8407	TAGLN2	transgelin 2	-1.553	3.371
107985219	LOC107985219	uncharacterized LOC107985219	0.784	1.613
1314	COPA	COPI coat complex subunit alpha	0.785	1.794
92241	RCSD1	RCSD domain containing 1	-0.636	1.687
2153	F5	coagulation factor V	1.538	1.959
9910	RABGAP1L	RAB GTPase activating protein 1 like	-1.593	2.228
105371622	LOC105371622	uncharacterized LOC105371622	-1.901	2.328
149345	SHISA4	shisa family member 4	-4.648	3.335
51094	ADIPOR1	adiponectin receptor 1	-2.827	3.299
55432	YOD1	YOD1 deubiquitinase	-2.714	2.603
100128537	MIR29B2CHG	MIR29B2 and MIR29C host gene	-2.241	1.687
50486	G0S2	G0/G1 switch 2	2.961	3.29
7100	TLR5	toll like receptor 5	1.351	1.39
3020	H3-3A	H3.3 histone A	-1.015	1.902
2987	GUK1	guanylate kinase 1	-2.344	2.158
149603	RNF187	ring finger protein 187	-1.486	1.636
2590	GALNT2	polypeptide N-acetylgalactosaminyltransferase 2	1.248	1.513
105373165	LOC105373165	uncharacterized LOC105373165	-6.648	1.47
6894	TARBP1	TAR (HIV-1) RNA binding protein 1	-1.499	1.507
25893	TRIM58	tripartite motif containing 58	-2.553	3.028
343171	OR2W3	olfactory receptor family 2 subfamily W member 3	-6.238	7.92
343172	OR2T8	olfactory receptor family 2 subfamily T member 8	-6.976	1.729
6201	RPS7	ribosomal protein S7	-2.877	3.241
245973	ATP6V1C2	ATPase H+ transporting V1 subunit C2	1.493	3.479
10130	PDIA6	protein disulfide isomerase family A member 6	1.635	4.276
100874055	LINC00570	long intergenic non-protein coding RNA 570	-6.139	1.458
388	RHOB	ras homolog family member B	-1.405	1.655
2281	FKBP1B	FKBP prolyl isomerase 1B	-2.928	3.043
79172	CENPO	centromere protein O	1.331	1.918

Column 1	Column 2	Column 3	Column 4	Column 5
109	ADCY3	adenylate cyclase 3	1.833	2.714
1545	CYP1B1	cytochrome P450 family 1 subfamily B member 1	2.222	4.13
805	CALM2	calmodulin 2	-1.99	1.738
6233	RPS27A	ribosomal protein S27a	-2.353	2.608
112942	CFAP36	cilia and flagella associated protein 36	-1.509	3.241
4211	MEIS1	Meis homeobox 1	1.892	1.458
100873998	MEIS1-AS2	MEIS1 antisense RNA 2	2.929	2.318
107985900	LOC107985900	uncharacterized LOC107985900	-4.619	1.409
64795	RMND5A	required for meiotic nuclear division 5 homolog A	-1.082	1.544
22934	RPIA	ribose 5-phosphate isomerase A	-2.239	2.067
28946	IGKJ5	immunoglobulin kappa joining 5	3.55	5.363
28907	IGKV5-2	immunoglobulin kappa variable 5-2	6.185	2.61
28943	IGKV1-6	immunoglobulin kappa variable 1-6	4.114	2.223
28914	IGKV3-11	immunoglobulin kappa variable 3-11	4.439	3.445
28940	IGKV1-12	immunoglobulin kappa variable 1-12	3.981	3.029
28939	IGKV1-13	immunoglobulin kappa variable 1-13	7.456	3.383
28913	IGKV3-15	immunoglobulin kappa variable 3-15	3.034	3.895
28935	IGKV1-27	immunoglobulin kappa variable 1-27	5.343	4.143
28920	IGKV2-29	immunoglobulin kappa variable 2-29	4.192	2.035
28919	IGKV2-30	immunoglobulin kappa variable 2-30	3.364	2.889
28933	IGKV1-33	immunoglobulin kappa variable 1-33	3.88	3.038
28896	IGKV1D-33	immunoglobulin kappa variable 1D-33	3.968	3.803
28881	IGKV2D-30	immunoglobulin kappa variable 2D-30	3.168	1.597
28875	IGKV3D-15	immunoglobulin kappa variable 3D-15	4.401	8.736
28902	IGKV1D-13	immunoglobulin kappa variable 1D-13	8.093	2.272
28903	IGKV1D-12	immunoglobulin kappa variable 1D-12	3.315	1.326
26505	CNNM3	cyclin and CBS domain divalent metal cation transport mediator 3	-0.874	1.33
6160	RPL31	ribosomal protein L31	-2.229	2.276
2995	GYPC	glycophorin C (Gerbich blood group)	-3.991	5.765
100526664	LY75-CD302	LY75-CD302 readthrough	-1.137	1.54
9936	CD302	CD302 molecule	-1.221	1.948
57282	SLC4A10	solute carrier family 4 member 10	-6.856	2.293
64135	IFIH1	interferon induced with helicase C domain 1	1.988	1.415
79901	CYBRD1	cytochrome b reductase 1	-2.2	3.803
440926	H3P6	H3 histone pseudogene 6	-1.095	1.507
26010	SPATS2L	spermatogenesis associated serine rich 2 like	2.778	1.729
101927741	LOC101927741	uncharacterized LOC101927741	2.621	1.343
66008	TRAK2	trafficking kinesin protein 2	-1.839	2.146
55437	STRADB	STE20 related adaptor beta	-3.89	4.022
1933	EEF1B2	eukaryotic translation elongation factor 1 beta 2	-1.372	1.723
7145	TNS1	tensin 1	-4.189	4.13
29926	GMPPA	GDP-mannose pyrophosphorylase A	1.314	2.204
55022	PID1	phosphotyrosine interaction domain containing 1	-2.812	2.673
57007	ACKR3	atypical chemokine receptor 3	-2.447	1.622
140739	UBE2F	ubiquitin conjugating enzyme E2 F (putative)	0.575	1.436
151174	LINC02610	long intergenic non-protein coding RNA 2610	-6.973	1.434
728763	CROCC2	ciliary rootlet coiled-coil, rootletin family member 2	-6.527	1.513
200772	UICLM	up-regulated in colorectal cancer liver metastasis	-7.969	3.14
3568	IL5RA	interleukin 5 receptor subunit alpha	-3.261	2.057
6161	RPL32	ribosomal protein L32	-2.05	3.375
101927854	THRB-AS2	THRB antisense RNA 2	-3.108	2.204
729083	CCDC13-AS2	CCDC13 antisense RNA 2	-2.458	2.517
10663	CXCR6	C-X-C motif chemokine receptor 6	-2.135	2.766
1232	CCR3	C-C motif chemokine receptor 3	-1.885	1.392
22937	SCAP	SREBF chaperone	-0.952	1.918
29925	GMPPB	GDP-mannose pyrophosphorylase B	1.424	1.944
23166	STAB1	stabilin 1	1.662	2.642
10550	ARL6IP5	ADP ribosylation factor like GTPase 6 interacting protein 5	-1.093	1.733
23150	FRMD4B	FERM domain containing 4B	1.945	2.44
6152	RPL24	ribosomal protein L24	-2.183	2.029
56987	BBX	BBX high mobility group box domain containing	0.555	1.35
80325	ABTB1	ankyrin repeat and BTB domain containing 1	-1.552	1.883
29927	SEC61A1	SEC61 translocon subunit alpha 1	1.103	2.302
22820	COPG1	COP1 coat complex subunit gamma 1	0.922	1.311
152195	NUDT16L2P	nudix hydrolase 16 like 2, pseudogene	-1.533	1.369
23317	DNAJC13	DnaJ heat shock protein family (Hsp40) member C13	1.112	2.427
25847	ANAPC13	anaphase promoting complex subunit 13	-1	1.314
5359	PLSCR1	phospholipid scramblase 1	1.907	1.374
2992	GYG1	glycogenin 1	1.163	1.56
200916	RPL22L1	ribosomal protein L22 like 1	-4.443	1.536
64778	FNDC3B	fibronectin type III domain containing 3B	1.196	1.33
10644	IGF2BP2	insulin like growth factor 2 mRNA binding protein 2	-2.053	1.525
51726	DNAJB11	DnaJ heat shock protein family (Hsp40) member B11	1.643	1.434
3556	IL1RAP	interleukin 1 receptor accessory protein	-1.882	1.667
57110	PLAAT1	phospholipase A and acyltransferase 1	-6.696	2.29
102724808	LOC102724808	uncharacterized LOC102724808	-2.843	2.89
131540	ZDHHC19	zinc finger DHHC-type palmitoyltransferase 19	3.881	4.963
9711	RUBCN	rubicon autophagy regulator	1.005	2.511

Column 1	Column 2	Column 3	Column 4	Column 5
6165	RPL35A	ribosomal protein L35a	-2.087	2.845
57545	CC2D2A	coiled-coil and C2 domain containing 2A	1.689	1.579
952	CD38	CD38 molecule	2.424	2.239
51056	LAP3	leucine aminopeptidase 3	1.751	2.244
768211	RELL1	RELT like 1	-1.73	1.885
6133	RPL9	ribosomal protein L9	-2.097	1.791
3815	KIT	KIT proto-oncogene, receptor tyrosine kinase	-3.788	1.344
84525	HOPX	HOP homeobox	-2.027	3.383
105377267	LOC105377267	uncharacterized LOC105377267	-8.478	4.13
10720	UGT2B11	UDP glucuronosyltransferase family 2 member B11	-6.192	2.001
950	SCARB2	scavenger receptor class B member 2	1.338	1.735
10983	CCNI	cyclin I	-1.24	1.387
6696	SPP1	secreted phosphoprotein 1	-7.191	2.352
55008	HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6	1.988	2.097
102723458	LOC102723458	uncharacterized LOC102723458	1.644	1.862
6622	SNCA	synuclein alpha	-3.91	3.895
10098	TSPAN5	tetraspanin 5	-3.387	5.018
128	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	-0.873	1.367
150159	SLC9B1	solute carrier family 9 member B1	-1.606	2.204
6164	RPL34	ribosomal protein L34	-2.086	1.654
6189	RPS3A	ribosomal protein S3A	-3.736	5.475
6423	SFRP2	secreted frizzled related protein 2	-8.558	3.447
134147	CMBL	carboxymethylenebutenolidase homolog	-3.593	1.555
56172	ANKH	ANKH inorganic pyrophosphate transport regulator	-1.302	2
3003	GZMK	granzyme K	-2.689	2.53
202309	GAPT	GRB2 binding adaptor protein, transmembrane	-1.237	1.477
202243	CCDC125	coiled-coil domain containing 125	-1.458	1.358
6880	TAF9	TATA-box binding protein associated factor 9	-1.872	3.181
4671	NAIP	NLR family apoptosis inhibitory protein	1.05	1.471
112267942	LOC112267942	uncharacterized LOC112267942	1.388	1.471
689	BTF3	basic transcription factor 3	-1.966	4.143
6228	RPS23	ribosomal protein S23	-1.382	1.691
1462	VCAN	versican	1.322	2.204
1350	COX7C	cytochrome c oxidase subunit 7C	-2.657	2.252
22936	ELL2	elongation factor for RNA polymerase II 2	2.209	2.428
51397	COMM10	COMM domain containing 10	-1.442	1.411
23305	ACSL6	acyl-CoA synthetase long chain family member 6	-1.709	1.593
819	CAMLG	calcium modulating ligand	-0.853	1.344
51247	PAIP2	poly(A) binding protein interacting protein 2	-0.711	1.526
51237	MZB1	marginal zone B and B1 cell specific protein	3.633	2.293
929	CD14	CD14 molecule	1.056	1.951
6208	RPS14	ribosomal protein S14	-2.056	3.276
3779	KCNMB1	potassium calcium-activated channel subfamily M regulatory beta subunit 1	-2.405	1.912
22838	RNF44	ring finger protein 44	-0.939	2.204
90249	UNC5A	unc-5 netrin receptor A	1.305	2.806
3101	HK3	hexokinase 3	1.253	2.642
3662	IRF4	interferon regulatory factor 4	1.679	1.592
7280	TUBB2A	tubulin beta 2A class IIa	-4.289	1.386
347733	TUBB2B	tubulin beta 2B class IIb	-4.275	1.376
81853	TMEM14B	transmembrane protein 14B	-1.203	2.146
108783645	HFE-AS1	HFE antisense RNA 1	3.673	2.629
3017	H2BC5	H2B clustered histone 5	2.456	3.811
8351	H3C4	H3 clustered histone 4	3.098	5.827
3013	H2AC7	H2A clustered histone 7	3.127	6.366
8339	H2BC8	H2B clustered histone 8	2.567	2.163
105374986	LOC105374986	uncharacterized LOC105374986	1.959	1.829
346157	ZNF391	zinc finger protein 391	-6.678	1.523
8348	H2BC17	H2B clustered histone 17	3.604	4.137
26212	OR2B6	olfactory receptor family 2 subfamily B member 6	3.662	3.579
101929072	MICA-AS1	MICA antisense RNA 1	-4.035	4.069
7940	LST1	leukocyte specific transcript 1	-1.169	1.347
63940	GPSM3	G protein signaling modulator 3	-0.797	2.37
3122	HLA-DRA	major histocompatibility complex, class II, DR alpha	-2.431	6.88
3118	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2	-7.115	4.515
3120	HLA-DQB2	major histocompatibility complex, class II, DQ beta 2	-9.495	3.096
3109	HLA-DMB	major histocompatibility complex, class II, DM beta	-1.662	4.735
3113	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	-1.413	2.367
3115	HLA-DPB1	major histocompatibility complex, class II, DP beta 1	-1.416	2.029
6222	RPS18	ribosomal protein S18	-1.849	1.799
11165	NUDT3	nudix hydrolase 3	-0.903	2.547
116369	SLC26A8	solute carrier family 26 member 8	2.341	1.415
105375034	LOC105375034	uncharacterized LOC105375034	2.813	1.951
57699	CPNE5	copine 5	1.123	1.584
55633	TBC1D22B	TBC1 domain family member 22B	-2.192	1.526
54676	GTPBP2	GTP binding protein 2	1.164	1.687
55362	TMEM63B	transmembrane protein 63B	-3.591	3.244
9697	TRAM2	translocation associated membrane protein 2	1.443	1.376
26268	FBXO9	F-box protein 9	-1.829	1.392

Column 1	Column 2	Column 3	Column 4	Column 5
375513	GUSBP4	GUSB pseudogene 4	-2.448	1.321
1915	EEF1A1	eukaryotic translation elongation factor 1 alpha 1	-1.298	2.722
9324	HMGN3	high mobility group nucleosomal binding domain 3	-1.356	1.733
10957	PNRC1	proline rich nuclear receptor coactivator 1	-1.113	1.304
2309	FOXO3	forkhead box O3	-2.84	3.845
135112	NCOA7	nuclear receptor coactivator 7	1.144	2.293
383	ARG1	arginase 1	-2.837	1.916
6206	RPS12	ribosomal protein S12	-2.714	5.125
107986646	LOC107986646		-3.608	1.738
9053	MAP7	microtubule associated protein 7	-2.922	2.334
6991	DYNLT2	dynein light chain Tctex-type 2	-3.884	1.739
115330	GPR146	G protein-coupled receptor 146	-5.752	9.526
2768	GNA12	G protein subunit alpha 12	-1.667	1.562
11014	KDELRL2	KDEL endoplasmic reticulum protein retention receptor 2	0.737	2.192
4697	NDUFA4	NDUFA4 mitochondrial complex associated	-1.773	1.411
10124	ARL4A	ADP ribosylation factor like GTPase 4A	-1.531	2
392636	AGMO	alkylglycerol monooxygenase	-5.7	1.376
2617	GARS1	glycyl-tRNA synthetase 1	1.006	1.738
23658	LSM5	LSM5 homolog, U6 small nuclear RNA and mRNA degradation associated	-1.809	1.31
7378	UPP1	uridine phosphorylase 1	0.949	1.465
340252	ZNF680	zinc finger protein 680	-2.248	1.521
105375328	LOC105375328		-5.042	2.346
219285	SAMD9L	sterile alpha motif domain containing 9 like	2.123	2.357
43	ACHE	acetylcholinesterase (Cartwright blood group)	-7.527	2.084
51024	FIS1	fission, mitochondrial 1	-1.535	2.029
54674	LRRN3	leucine rich repeat neuronal 3	-2.293	1.554
381	ARF5	ADP ribosylation factor 5	-0.677	1.824
813	CALU	calumenin	1.034	2.35
800	CALD1	caldesmon 1	-2.03	1.321
647087	STMP1	short transmembrane mitochondrial protein 1	-1.038	1.31
23608	MKRN1	makorin ring finger protein 1	-2.208	2.371
23601	CLEC5A	C-type lectin domain containing 5A	3.153	2.54
28606	TRBV6-1	T cell receptor beta variable 6-1	-2.282	1.361
9601	PDIA4	protein disulfide isomerase family A member 4	1.885	2.936
105375588	LOC105375588	uncharacterized LOC105375588	-7.391	2.171
1669	DEFA4	defensin alpha 4	-4.663	1.372
2039	DMTN	dematin actin binding protein	-3.53	4.9
51312	SLC25A37	solute carrier family 25 member 37	-1.996	1.347
665	BNIP3L	BCL2 interacting protein 3 like	-3.479	6.237
51669	SARAF	store-operated calcium entry associated regulatory factor	-0.855	2.231
23484	LEPROTL1	leptin receptor overlapping transcript like 1	-0.815	2.073
80139	ZNF703	zinc finger protein 703	-2.814	1.674
3620	IDO1	indoleamine 2,3-dioxygenase 1	-3.339	1.582
286	ANK1	ankyrin 1	-2.69	2.146
105379392	LOC105379392	uncharacterized LOC105379392	-4.059	3.005
102724330	PCMTD1-DT	PCMTD1 divergent transcript	-4.287	1.315
6224	RPS20	ribosomal protein S20	-2.321	2.547
641638	SNHG6	small nucleolar RNA host gene 6	-1.655	1.572
6129	RPL7	ribosomal protein L7	-3.04	3.043
6383	SDC2	syndecan 2	-5.069	2.956
6156	RPL30	ribosomal protein L30	-1.933	2.358
1345	COX6C	cytochrome c oxidase subunit 6C	-2.197	1.521
90390	MED30	mediator complex subunit 30	-1.181	1.753
4856	CCN3	cellular communication network factor 3	-2.69	2.756
28998	MRPL13	mitochondrial ribosomal protein L13	-2.576	2.028
137797	LYPD2	LY6/PLAUR domain containing 2	-6.418	1.48
66004	LYNX1	Ly6/neurotoxin 1	-6.694	1.579
1936	EEF1D	eukaryotic translation elongation factor 1 delta	-0.997	2.936
54512	EXOSC4	exosome component 4	1.289	1.756
100287596	DDX11L5	DEAD/H-box helicase 11 like 5 (pseudogene)	-2.385	1.454
6194	RPS6	ribosomal protein S6	-2.058	2.793
573	BAG1	BAG cochaperone 1	-3.181	3.736
25853	DCAF12	DDB1 and CUL4 associated factor 12	-3.94	4.279
3590	IL11RA	interleukin 11 receptor subunit alpha	-1.675	1.372
7415	VCP	valosin containing protein	0.749	1.412
10488	CREB3	cAMP responsive element binding protein 3	0.916	1.863
79937	CNTNAP3	contactin associated protein family member 3	-2.956	1.487
216	ALDH1A1	aldehyde dehydrogenase 1 family member A1	-1.638	1.435
7111	TMOD1	tropomodulin 1	-2.352	1.391
55363	HEMGN	hemogen	-3.268	3.241
9830	TRIM14	tripartite motif containing 14	0.975	1.395
158405	KIAA1958	KIAA1958	2.469	1.867
55755	CDK5RAP2	CDK5 regulatory subunit associated protein 2	1.202	1.738
2681	GGTA1	glycoprotein alpha-galactosyltransferase 1 (inactive)	-2.026	1.544
81571	MIR600HG	MIR600 host gene	-3.469	2.272
3309	HSPA5	heat shock protein family A (Hsp70) member 5	1.599	9.141
6136	RPL12	ribosomal protein L12	-1.67	1.979
203	AK1	adenylate kinase 1	-2.658	2.358

Column 1	Column 2	Column 3	Column 4	Column 5
10444	ZER1	zyg-11 related cell cycle regulator	-1.557	1.465
56904	SH3GLB2	SH3 domain containing GRB2 like, endophilin B2	-1.539	1.411
51759	C9orf78	chromosome 9 open reading frame 78	-2.436	1.507
106635683	SNORD141A	small nucleolar RNA, C/D box 141A	-1.27	1.991
26301	GBGT1	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)	-1.923	2.677
51162	EGFL7	EGF like domain multiple 7	2.514	3.282
101930307	LOC101930307		-7.324	1.507
3601	IL15RA	interleukin 15 receptor subunit alpha	1.199	1.636
57118	CAMK1D	calcium/calmodulin dependent protein kinase ID	-2.01	7.491
10133	OPTN	optineurin	-1.782	1.863
219771	CCNY	cyclin Y	-1.157	2.305
7580	ZNF32	zinc finger protein 32	-1.544	1.616
11067	DEPP1	DEPP autophagy regulator 1	5.384	1.487
220972	MARCHF8	membrane associated ring-CH-type finger 8	-3.031	4.481
105378286	LOC105378286	uncharacterized LOC105378286	-2.216	1.754
653234	AGAP10P	ArfGAP with GTPase domain, ankyrin repeat and PH domain 10, pseudogene	-2.589	1.759
8031	NCOA4	nuclear receptor coactivator 4	-1.955	2.422
653268	AGAP7P	ArfGAP with GTPase domain, ankyrin repeat and PH domain 7, pseudogene	-2.939	3.669
107984026	LOC107984026	replaced by ID 728005	-2.109	1.447
1979	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2	-0.698	2.629
6229	RPS24	ribosomal protein S24	-2.106	2.046
84333	PCGF5	polycomb group ring finger 5	-2.142	2.121
27343	POLL	DNA polymerase lambda	-2.088	3.074
4601	MXI1	MAX interactor 1, dimerization protein	-3.33	5.139
2263	FGFR2	fibroblast growth factor receptor 2	-6.978	1.629
27287	VENTX	VENT homeobox	-1.943	2.35
8519	IFITM1	interferon induced transmembrane protein 1	1.282	1.687
10410	IFITM3	interferon induced transmembrane protein 3	2.077	1.691
3665	IRF7	interferon regulatory factor 7	2.153	2.23
1509	CTSD	cathepsin D	1.515	3.872
1028	CDKN1C	cyclin dependent kinase inhibitor 1C	-3.105	1.755
3045	HBD	hemoglobin subunit delta	-3.662	1.39
9645	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	-1.878	2.023
84953	MICALCL	replaced by ID 9645	-2.952	3.669
5140	PDE3B	phosphodiesterase 3B	-1.133	1.592
6207	RPS13	ribosomal protein S13	-2.375	3.872
3939	LDHA	lactate dehydrogenase A	0.988	2.14
26519	TIMM10	translocase of inner mitochondrial membrane 10	3.219	4.529
2206	MS4A2	membrane spanning 4-domains A2	-3.24	2
51338	MS4A4A	membrane spanning 4-domains A4A	2.287	2.03
58475	MS4A7	membrane spanning 4-domains A7	-2.29	5.714
931	MS4A1	membrane spanning 4-domains A1	-1.68	1.574
11251	PTGDR2	prostaglandin D2 receptor 2	-2.319	2.094
220001	VWCE	von Willebrand factor C and EGF domains	-3.982	2.795
220002	CYB561A3	cytochrome b561 family member A3	-1.425	2.222
2237	FEN1	flap structure-specific endonuclease 1	1.822	1.31
5866	RAB3IL1	RAB3A interacting protein like 1	-4.311	1.432
2495	FTH1	ferritin heavy chain 1	-1.025	1.33
6520	SLC3A2	solute carrier family 3 member 2	1.121	2.252
10435	CDC42EP2	CDC42 effector protein 2	-1.287	1.427
220359	TIGD3	tigger transposable element derived 3	-5.608	7.744
55690	PACS1	phosphofurin acidic cluster sorting protein 1	-1.013	2.521
374403	TBC1D10C	TBC1 domain family member 10C	-0.626	1.691
81570	CLPB	caseinolytic mitochondrial matrix peptidase chaperone subunit B	1.301	1.396
9789	SPCS2	signal peptidase complex subunit 2	0.871	1.321
726	CAPN5	calpain 5	-3.597	3.518
100532726	NDUFC2-KCTD14	NDUFC2-KCTD14 readthrough	1.738	2.788
65987	KCTD14	potassium channel tetramerization domain containing 14	7.97	2.954
105369402	LOC105369402	uncharacterized LOC105369402	4.331	2.588
101929295	LNCRNA-IUR	lncRNA imatinib upregulated	-2.286	1.391
143686	SESN3	sestrin 3	-2.072	1.953
440068	CARD17P	caspase recruitment domain family member 17, pseudogene	3.358	2.176
5450	POU2AF1	POU class 2 homeobox associating factor 1	2.408	2.022
915	CD3D	CD3 delta subunit of T-cell receptor complex	-1.512	1.739
10632	ATP5MG	ATP synthase membrane subunit g	-1.472	1.835
6230	RPS25	ribosomal protein S25	-1.391	2.029
3703	STT3A	STT3 oligosaccharyltransferase complex catalytic subunit A	1.169	2.766
4815	NINJ2	ninjurin 2	-1.823	1.445
65125	WNK1	WNK lysine deficient protein kinase 1	-1.301	1.885
103752584	CCND2-AS1	CCND2 antisense RNA 1	2.492	3.072
928	CD9	CD9 molecule	-2.131	3.335
51147	ING4	inhibitor of growth family member 4	-1.086	2.61
920	CD4	CD4 molecule	-1.106	1.46
27239	GPR162	G protein-coupled receptor 162	-2.441	1.791
9332	CD163	CD163 molecule	1.649	2.783
719	C3AR1	complement C3a receptor 1	1.83	1.629
374443	LOC374443	C-type lectin domain family 2 member D pseudogene	-1.211	2.05
3821	KLRC1	killer cell lectin like receptor C1	-3.264	2.244

Column 1	Column 2	Column 3	Column 4	Column 5
8531	YBX3	Y-box binding protein 3	-2.857	3.21
79887	PLBD1	phospholipase B domain containing 1	1.417	2.611
101928317	LOC101928317	uncharacterized LOC101928317	1.445	2.476
101928290	PLBD1-AS1	PLBD1 antisense RNA 1	1.531	1.59
80763	SPX	spexin hormone	-4.162	2.244
2998	GYS2	glycogen synthase 2	-3.566	1.73
3945	LDHB	lactate dehydrogenase B	-1.559	1.477
55652	SLC48A1	solute carrier family 48 member 1	-1.723	1.592
51303	FKBP11	FKBP prolyl isomerase 11	2.004	4.03
3164	NR4A1	nuclear receptor subfamily 4 group A member 1	-2.454	1.661
5094	PCBP2	poly(rC) binding protein 2	-1.004	1.439
102157401	PCBP2-OT1	PCBP2 overlapping transcript 1	-1.253	1.737
6171	RPL41	ribosomal protein L41	-1.983	1.69
6773	STAT2	signal transducer and activator of transcription 2	1.22	1.733
4141	MARS1	methionyl-tRNA synthetase 1	0.7	1.43
101928062	PRANCR	progenitor renewal associated non-coding RNA	-1.697	1.382
11010	GLIPR1	GLI pathogenesis related 1	-1.42	3.918
11103	KRR1	KRR1 small subunit processome component homolog	-1.295	3.282
728084	LINC02458	long intergenic non-protein coding RNA 2458	-6.98	1.372
490	ATP2B1	ATPase plasma membrane Ca2+ transporting 1	-0.848	2.122
64431	ACTR6	actin related protein 6	-2.003	1.426
7184	HSP90B1	heat shock protein 90 beta family member 1	1.853	2.243
100500842	MIR3652	microRNA 3652	1.948	3.926
255394	TCP11L2	t-complex 11 like 2	-2.912	3.382
23479	ISCU	iron-sulfur cluster assembly enzyme	-1.123	1.526
79600	TCTN1	tectonic family member 1	-1.172	3.151
84329	HVCN1	hydrogen voltage gated channel 1	-1.264	3.736
4939	OAS2	2'-5'-oligoadenylate synthetase 2	2.206	1.451
54997	TESC	tescalcin	-2.163	1.392
10810	WASF3	WASP family member 3	-4.758	1.547
6144	RPL21	ribosomal protein L21	-3.01	4.397
51082	POLR1D	RNA polymerase I and III subunit D	-0.802	1.829
10129	FRY	FRY microtubule binding protein	-1.726	3.518
7178	TPT1	tumor protein, translationally-controlled 1	-1.578	1.31
2098	ESD	esterase D	-1.248	1.547
57105	CYSLTR2	cysteinyl leukotriene receptor 2	-3.405	1.739
51131	PHF11	PHD finger protein 11	1.169	1.4
10562	OLFM4	olfactomedin 4	-10.131	2.223
2841	GPR18	G protein-coupled receptor 18	-1.429	1.344
121952	METTTL21EP	methyltransferase like 21E, pseudogene	-6.314	1.418
2621	GAS6	growth arrest specific 6	2.994	1.487
6035	RNASE1	ribonuclease A family member 1, pancreatic	5.414	2.29
57096	RPGRIP1	RPGR interacting protein 1	-2.807	3.677
84932	RAB2B	RAB2B, member RAS oncogene family	-1.747	1.841
28517	TRDV2	T cell receptor delta variable 2	-5.442	3.365
1053	CEBPE	CCAAT enhancer binding protein epsilon	-2.32	2.171
55837	EAPP	E2F associated phosphoprotein	-1.61	1.501
6235	RPS29	ribosomal protein S29	-2.387	4.249
3958	LGALS3	galectin 3	-2.198	2.744
6252	RTN1	reticulon 1	-1.976	1.971
5494	PPM1A	protein phosphatase, Mg2+/Mn2+ dependent 1A	-1.548	1.451
23224	SYNE2	spectrin repeat containing nuclear envelope protein 2	-0.787	1.784
26030	PLEKHG3	pleckstrin homology and RhoGEF domain containing G3	-1.28	3.803
6710	SPTB	spectrin beta, erythrocytic	-2.08	2.146
26499	PLEK2	pleckstrin 2	-3.27	2.823
55640	FLVCR2	FLVCR heme transporter 2	1.466	1.395
9252	RPS6KA5	ribosomal protein S6 kinase A5	-1.752	2.912
123036	TC2N	tandem C2 domains, nuclear	-1.246	1.951
107984659	LOC107984659		-1.303	1.361
1152	CKB	creatine kinase B	-3.385	2.823
102723342	LOC102723342	uncharacterized LOC102723342	-0.996	1.994
207	AKT1	AKT serine/threonine kinase 1	-1.091	2.463
3500	IGHG1	immunoglobulin heavy constant gamma 1 (G1m marker)	5.56	2.137
3502	IGHG3	immunoglobulin heavy constant gamma 3 (G3m marker)	4.92	2.744
28479	IGHJ3	immunoglobulin heavy joining 3	4.846	2.261
28481	IGHJ2	immunoglobulin heavy joining 2	4.391	2.692
57289	IGHV7-4-1	immunoglobulin heavy variable 7-4-1	6.212	2.511
28457	IGHV2-5	immunoglobulin heavy variable 2-5	4.498	4.434
28452	IGHV3-7	immunoglobulin heavy variable 3-7	3.936	1.45
28449	IGHV3-13	immunoglobulin heavy variable 3-13	5.337	4.109
28448	IGHV3-15	immunoglobulin heavy variable 3-15	5.384	8.736
28468	IGHV1-18	immunoglobulin heavy variable 1-18	4.076	3.365
28444	IGHV3-21	immunoglobulin heavy variable 3-21	3.529	2.065
28443	IGHV3-22	immunoglobulin heavy variable 3-22 (pseudogene)	6.709	3.365
28467	IGHV1-24	immunoglobulin heavy variable 1-24	6.779	5.805
28424	IGHV3-48	immunoglobulin heavy variable 3-48	4.79	3.803
28420	IGHV3-53	immunoglobulin heavy variable 3-53	4.938	3.895
28412	IGHV3-66	immunoglobulin heavy variable 3-66	4.875	4.683

Column 1	Column 2	Column 3	Column 4	Column 5
28461	IGHV1-69	immunoglobulin heavy variable 1-69	4.915	4.158
102723169	IGHV1-69D	immunoglobulin heavy variable 1-69D	3.85	2.158
28454	IGHV2-70	immunoglobulin heavy variable 2-70	5.695	1.487
28410	IGHV3-72	immunoglobulin heavy variable 3-72	7.375	3.518
28409	IGHV3-73	immunoglobulin heavy variable 3-73	8.869	5.525
28408	IGHV3-74	immunoglobulin heavy variable 3-74	4.475	3.445
79768	KATNBL1	katanin regulatory subunit B1 like 1	-1.901	2.642
100137049	PLA2G4B	phospholipase A2 group IVB	-1.805	1.376
30844	EHD4	EH domain containing 4	1.498	1.569
2038	EPB42	erythrocyte membrane protein band 4.2	-4.783	4.126
2923	PDIA3	protein disulfide isomerase family A member 3	0.847	1.363
23741	EID1	EP300 interacting inhibitor of differentiation 1	-0.746	2.24
9318	COPS2	COP9 signalosome subunit 2	-1.985	1.536
79856	SNX22	sorting nexin 22	1.095	1.392
5479	PPIB	peptidylprolyl isomerase B	1.165	1.554
4947	OAZ2	ornithine decarboxylase antizyme 2	-1.627	3.21
6124	RPL4	ribosomal protein L4	-0.901	1.395
5315	PKM	pyruvate kinase M1/2	1.002	2.642
84993	UBL7	ubiquitin like 7	-0.871	1.356
6218	RPS17	ribosomal protein S17	-2.39	3.368
112268155	LOC112268155		-1.149	1.523
348110	ARPIN	actin related protein 2/3 complex inhibitor	-2.88	1.45
374655	ZNF710	zinc finger protein 710	-0.837	1.376
100288486	DDX11L9	DEAD/H-box helicase 11 like 9 (pseudogene)	-2.397	1.962
8131	NPRL3	NPR3 like, GATOR1 complex subunit	-2.131	2.37
3050	HBZ	hemoglobin subunit zeta	-5.268	2
3042	HBM	hemoglobin subunit mu	-2.855	3.28
3040	HBA2	hemoglobin subunit alpha 2	-4.267	4.854
3039	HBA1	hemoglobin subunit alpha 1	-4.21	4.276
3049	HBQ1	hemoglobin subunit theta 1	-4.593	2.511
8938	BAIAP3	BAI1 associated protein 3	-1.896	2.502
90864	SPSB3	splA/ryanodine receptor domain and SOCS box containing 3	-0.943	1.655
3029	HAGH	hydroxyacylglutathione hydrolase	-2.367	2.722
260429	PRSS33	serine protease 33	-7.097	6.519
197358	NLRC3	NLR family CARD domain containing 3	-1.172	2.419
29965	CDIP1	cell death inducing p53 target 1	-1.029	1.761
105371080	LOC105371080		-6.233	1.348
4261	CIITA	class II major histocompatibility complex transactivator	-1.221	1.691
51061	TXNDC11	thioredoxin domain containing 11	1.89	2.382
105371084	RSL1D1-DT	RSL1D1 divergent transcript	-2.21	1.559
2935	GSPT1	G1 to S phase transition 1	-1.989	2.173
9665	MARF1	meiosis regulator and mRNA stability factor 1	-1.199	2.065
54820	NDE1	nudE neurodevelopment protein 1	-0.912	1.536
105371100	LOC105371100	uncharacterized LOC105371100	-3.057	1.871
6210	RPS15A	ribosomal protein S15a	-1.259	1.496
79838	TMC5	transmembrane channel like 5	-3.134	2.496
116285	ACSM1	acyl-CoA synthetase medium chain family member 1	-5.131	4.114
105379461	LOC105379461	replaced by ID 6296	-5.159	2.084
7385	UQCRC2	ubiquinol-cytochrome c reductase core protein 2	-0.701	1.321
10423	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase	-0.938	1.387
83719	YPEL3	yippee like 3	-1.342	2.319
101928595	YPEL3-DT	YPEL3 divergent transcript	-3.881	6.237
3684	ITGAM	integrin subunit alpha M	0.786	1.4
51673	TPPP3	tubulin polymerization promoting protein family member 3	-2.477	2.629
79567	RIPOR1	RHO family interacting cell polarization regulator 1	-0.872	1.4
57610	RANBP10	RAN binding protein 10	-1.715	1.564
16	AARS1	alanyl-tRNA synthetase 1	1.615	2.069
7571	ZNF23	zinc finger protein 23	-1.803	1.398
54957	TXNL4B	thioredoxin like 4B	0.939	1.52
3240	HP	haptoglobin	3.304	3.184
11345	GABARAPL2	GABA type A receptor associated protein like 2	-1.305	2.357
102724163	CDH13-AS2	CDH13 antisense RNA 2	-2.087	1.507
54550	NECAB2	N-terminal EF-hand calcium binding protein 2	-2.048	1.579
115992	RNF166	ring finger protein 166	-0.975	1.789
359845	RFLNB	refilin B	-1.691	3.443
51031	GLOD4	glyoxalase domain containing 4	-0.991	1.481
7531	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon	0.689	2.043
83547	RILP	Rab interacting lysosomal protein	-1.837	1.358
201305	SPNS3	SPNS lysolipid transporter 3, sphingosine-1-phosphate (putative)	-2.274	2.206
105371498	LOC105371498	uncharacterized LOC105371498	-6.518	2.163
246	ALOX15	arachidonate 15-lipoxygenase	-6.002	4.318
2811	GP1BA	glycoprotein Ib platelet subunit alpha	1.75	1.559
84817	TXNDC17	thioredoxin domain containing 17	-1.631	1.729
54739	XAF1	XIAP associated factor 1	2.41	2.176
433	ASGR2	asialoglycoprotein receptor 2	1.873	2.642
284029	LINC00324	long intergenic non-protein coding RNA 324	-0.758	1.382
5376	PMP22	peripheral myelin protein 22	-5.969	1.546
125144	SNHG29	small nucleolar RNA host gene 29	-0.879	1.559

Column 1	Column 2	Column 3	Column 4	Column 5
388341	LRRC75A	leucine rich repeat containing 75A	-1.01	2.181
2310	FOXO3B	forkhead box O3B	-2.522	3.096
5606	MAP2K3	mitogen-activated protein kinase kinase 3	-1.771	1.655
26118	WSB1	WD repeat and SOCS box containing 1	1.15	2.936
84440	RAB11FIP4	RAB11 family interacting protein 4	-1.272	2.912
7756	ZNF207	zinc finger protein 207	0.539	1.465
5717	PSMD11	proteasome 26S subunit, non-ATPase 11	0.742	2
9349	RPL23	ribosomal protein L23	-1.818	1.73
1267	CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	1.385	2.078
7283	TUBG1	tubulin gamma 1	1.719	3.455
3430	IFI35	interferon induced protein 35	1.584	1.539
1845	DUSP3	dual specificity phosphatase 3	0.73	1.372
101926967	ATXN7L3-AS1	ATXN7L3 antisense RNA 1	-1.922	1.394
6521	SLC4A1	solute carrier family 4 member 1 (Diego blood group)	-4.056	4.481
10900	RUNDC3A	RUN domain containing 3A	-4.496	4.515
51629	SLC25A39	solute carrier family 25 member 39	-4.613	7.254
2896	GRN	granulin precursor	1.007	1.347
162466	PHOSPHO1	phosphoethanolamine/phosphocholine phosphatase 1	-3.873	7.928
105371816	LOC105371816		-4.299	7.94
10237	SLC35B1	solute carrier family 35 member B1	1.064	3.375
81558	FAM117A	family with sequence similarity 117 member A	-1.442	2.677
9241	NOG	noggin	-3.192	2.158
9902	MRC2	mannose receptor C type 2	-3.482	1.358
80774	LIMD2	LIM domain containing 2	-0.686	1.687
57003	CCDC47	coiled-coil domain containing 47	0.955	1.33
5608	MAP2K6	mitogen-activated protein kinase kinase 6	1.691	1.594
105371887	LOC105371887	uncharacterized LOC105371887	0.92	1.583
3691	ITGB4	integrin subunit beta 4	-8.232	3.08
3959	LGALS3BP	galectin 3 binding protein	3.022	3.527
103910	MYL12B	myosin light chain 12B	-1.056	1.386
57132	CHMP1B	charged multivesicular body protein 1B	-0.976	1.835
1000	CDH2	cadherin 2	-7.442	1.738
105372093	LOC105372093	uncharacterized LOC105372093	-2.967	1.894
6563	SLC14A1	solute carrier family 14 member 1 (Kidd blood group)	-3.431	3.237
9050	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	1.161	1.595
6139	RPL17	ribosomal protein L17	-1.664	2.204
2235	FECH	ferrochelatase	-3.437	3.029
3998	LMAN1	lectin, mannose binding 1	1.721	2.309
8174	MADCAM1	mucosal vascular addressin cell adhesion molecule 1	-6.9	1.574
91300	R3HDM4	R3H domain containing 4	-1.735	1.924
1153	CIRBP	cold inducible RNA binding protein	-0.759	2.791
2872	MKNK2	MAPK interacting serine/threonine kinase 2	-0.807	1.762
8698	S1PR4	sphingosine-1-phosphate receptor 4	-1.136	1.711
284422	SMIM24	small integral membrane protein 24	-3.551	3.07
80700	UBXN6	UBX domain protein 6	-3.39	5.725
326342	ADGRE4P	adhesion G protein-coupled receptor E4, pseudogene	-7.795	2.511
199675	MCEMP1	mast cell expressed membrane protein 1	2.641	5.363
10781	ZNF266	zinc finger protein 266	-1.288	1.801
59286	UBL5	ubiquitin like 5	-1.277	1.439
10661	KLF1	KLF transcription factor 1	-4.272	3.518
811	CALR	calreticulin	1.454	1.526
4784	NFIX	nuclear factor I X	-5.436	5.629
66002	CYP4F12	cytochrome P450 family 4 subfamily F member 12	-2.86	1.855
83483	PLVAP	plasmalemma vesicle associated protein	-4.517	3.921
684	BST2	bone marrow stromal cell antigen 2	1.461	1.719
23770	FKBP8	FKBP prolyl isomerase 8	-3.071	4.143
7311	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1	-1.969	3.186
27033	ZBTB32	zinc finger and BTB domain containing 32	2.465	1.611
163087	ZNF383	zinc finger protein 383	-1.161	1.615
10653	SPINT2	serine peptidase inhibitor, Kunitz type 2	-0.748	1.687
1178	CLC	Charcot-Leyden crystal galectin	-4.346	5.656
9149	DYRK1B	dual specificity tyrosine phosphorylation regulated kinase 1B	-1.867	3.373
100529264	RAB4B-EGLN2	RAB4B-EGLN2 readthrough (NMD candidate)	-0.584	1.33
112398	EGLN2	egl-9 family hypoxia inducible factor 2	-0.598	1.344
57126	CD177	CD177 molecule	4.722	3.947
2217	FCGRT	Fc gamma receptor and transporter	-1.364	4.143
81857	MED25	mediator complex subunit 25	-1.649	2
102465480	MIR6800	microRNA 6800	-1.955	1.649
284367	SIGLEC17P	sialic acid binding Ig like lectin 17, pseudogene	-2.073	2.423
89790	SIGLEC10	sialic acid binding Ig like lectin 10	-1.452	2.158
27181	SIGLEC8	sialic acid binding Ig like lectin 8	-10.358	5.199
100049587	SIGLEC14	sialic acid binding Ig like lectin 14	-2.701	2.125
255043	TMEM86B	transmembrane protein 86B	-2.497	3.127
105372491	LOC105372491		-3.701	1.411
9491	PSMF1	proteasome inhibitor subunit 1	-1.793	1.738
7053	TGM3	transglutaminase 3	-3.224	1.912
10483	SEC23B	SEC23 homolog B, COPII coat complex component	0.984	1.436
54453	RIN2	Ras and Rab interactor 2	1.302	1.398

Column 1	Column 2	Column 3	Column 4	Column 5
598	BCL2L1	BCL2 like 1	-3.07	3.532
103021294	ABALON	apoptotic BCL2L1-antisense long non-coding RNA	-2.988	2.744
388795	EFCAB8	EF-hand calcium binding domain 8	-1.409	2.234
6185	RPN2	ribophorin II	1.258	3.641
5266	PI3	peptidase inhibitor 3	-3.911	4.683
101929866	LINC02597	long intergenic non-protein coding RNA 2597	-3.851	6.519
9334	B4GALT5	beta-1,4-galactosyltransferase 5	1.14	1.395
116151	FAM210B	family with sequence similarity 210 member B	-3.736	5.805
57091	CASS4	Cas scaffold protein family member 4	-2.095	2.744
55544	RBM38	RNA binding motif protein 38	-2.174	2.511
2778	GNAS	GNAS complex locus	-0.783	1.619
100505771	MHENCRCR	melanoma highly expressed competing endogenous lncRNA for miR-425 and miR-489	-1.77	1.33
50861	STMN3	stathmin 3	-1.293	1.398
55251	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	-1.329	2.881
109864279	RNA45SN2	RNA, 45S pre-ribosomal N2	-1.829	2.378
109864280	RNA18SN2	RNA, 18S ribosomal N2	-1.882	2.445
109910379	RNA45SN3	RNA, 45S pre-ribosomal N3	-1.533	2.125
109910380	RNA18SN3	RNA, 18S ribosomal N3	-1.542	2.204
112268284	LOC112268284		-1.339	1.392
106631777	RNA45SN1	RNA, 45S pre-ribosomal N1	-1.586	2.204
106631781	RNA18SN1	RNA, 18S ribosomal N1	-1.588	2.204
106632264	RNA28SN1	RNA, 28S ribosomal N1	-1.46	1.583
150000	ABCC13	ATP binding cassette subfamily C member 13 (pseudogene)	-2.572	1.33
11096	ADAMTS5	ADAM metalloproteinase with thrombospondin type 1 motif 5	-6.941	1.597
56911	MAP3K7CL	MAP3K7 C-terminal like	-2.539	2.89
11274	USP18	ubiquitin specific peptidase 18	3.378	1.699
105372942	FAM247D	family with sequence similarity 247 member D	3.322	1.517
373856	USP41	ubiquitin specific peptidase 41	3.337	1.677
105372935	FAM247A	family with sequence similarity 247 member A	3.388	1.627
28784	IGLV4-69	immunoglobulin lambda variable 4-69	3.892	1.592
28778	IGLV6-57	immunoglobulin lambda variable 6-57	5.155	5.774
28820	IGLV1-51	immunoglobulin lambda variable 1-51	3.626	2.176
28773	IGLV9-49	immunoglobulin lambda variable 9-49	5.009	2.926
28775	IGLV7-46	immunoglobulin lambda variable 7-46	4.919	2.889
28781	IGLV5-45	immunoglobulin lambda variable 5-45	3.932	1.691
28823	IGLV1-44	immunoglobulin lambda variable 1-44	5.009	7.94
28825	IGLV1-40	immunoglobulin lambda variable 1-40	4.218	1.629
28810	IGLV2-34	immunoglobulin lambda variable 2-34 (pseudogene)	6.801	2.389
28812	IGLV2-28	immunoglobulin lambda variable 2-28 (pseudogene)	5.339	3.296
28793	IGLV3-25	immunoglobulin lambda variable 3-25	6.674	9.143
28796	IGLV3-21	immunoglobulin lambda variable 3-21	5.935	3.919
28814	IGLV2-18	immunoglobulin lambda variable 2-18	6.244	1.51
107985542	LOC107985542		-3.955	1.883
28815	IGLV2-14	immunoglobulin lambda variable 2-14	3.129	2.006
28816	IGLV2-11	immunoglobulin lambda variable 2-11	3.686	1.69
28803	IGLV3-10	immunoglobulin lambda variable 3-10	4.644	3.052
28804	IGLV3-9	immunoglobulin lambda variable 3-9	6.935	3.445
102724638	LOC102724638	uncharacterized LOC102724638	4.053	4.473
28809	IGLV3-1	immunoglobulin lambda variable 3-1	4.321	5.946
28833	IGLJ1	immunoglobulin lambda joining 1	3.993	1.681
23544	SEZ6L	seizure related 6 homolog like	-4.235	1.404
8459	TPST2	tyrosylprotein sulfotransferase 2	0.709	1.627
2130	EWSR1	EWS RNA binding protein 1	0.692	1.811
84164	ASCC2	activating signal cointegrator 1 complex subunit 2	-2.328	1.971
266629	SEC14L3	SEC14 like lipid binding 3	-5.462	2.89
105372991	LOC105372991	uncharacterized LOC105372991	-5.079	2.54
284904	SEC14L4	SEC14 like lipid binding 4	-5.313	1.829
6948	TCN2	transcobalamin 2	2.09	2.204
23762	OSBP2	oxysterol binding protein 2	-2.905	1.592
25793	FBXO7	F-box protein 7	-3.594	5.363
23543	RBFOX2	RNA binding fox-1 homolog 2	-2.78	2.021
6767	ST13	ST13 Hsp70 interacting protein	-1.094	1.707
150353	DNAJB7	DnaJ heat shock protein family (Hsp40) member B7	-3.725	1.306
55615	PRR5	proline rich 5	-1.954	2.946
553158	PRR5-ARHGAP8	PRR5-ARHGAP8 readthrough	-2.473	3.282
79174	CRELD2	cysteine rich with EGF like domains 2	1.971	1.55
102724608	LOC102724608	uncharacterized LOC102724608	1.691	1.351
109864271	RNA45SN4	RNA, 45S pre-ribosomal N4	-1.511	2.213
109864273	RNA18SN4	RNA, 18S pre-ribosomal N4	-1.527	2.241
109864272	RNA28SN4	RNA, 28S ribosomal N4	-1.357	1.691
139105	BEND2	BEN domain containing 2	-2.475	1.83
7102	TSPAN7	tetraspanin 7	-6.879	2.889
56548	CHST7	carbohydrate sulfotransferase 7	-1.555	1.532
84679	SLC9A7	solute carrier family 9 member A7	-1.387	1.333
5935	RBM3	RNA binding motif protein 3	-1.042	3.01
11040	PIM2	Pim-2 proto-oncogene, serine/threonine kinase	1.05	1.886
212	ALAS2	5'-aminolevulinate synthase 2	-3.636	1.426
389860	PAGE2B	PAGE family member 2B	-4.037	2.14

Column 1	Column 2	Column 3	Column 4	Column 5
286451	YIPF6	Yip1 domain family member 6	-1.56	1.595
1349	COX7B	cytochrome c oxidase subunit 7B	-1.558	2.32
27334	P2RY10	P2Y receptor family member 10	-1.445	2.427
9338	TCEAL1	transcription elongation factor A like 1	-2.4	1.651
3597	IL13RA1	interleukin 13 receptor subunit alpha 1	-1.097	1.691
6170	RPL39	ribosomal protein L39	-2.428	1.789
101928941	RHOXF1P1	Rhox homeobox family member 1 pseudogene 1	-6.291	1.688
4068	SH2D1A	SH2 domain containing 1A	-1.399	1.391
55796	MBNL3	muscleblind like splicing regulator 3	-3.118	5.924
2273	FHL1	four and a half LIM domains 1	-1.807	1.818
3423	IDS	iduronate 2-sulfatase	-0.905	1.412
105373366	IDS2	uncharacterized IDS2	-2.041	1.428
100131434	EOLA1-DT	EOLA1 divergent transcript	-3.227	1.347
6535	SLC6A8	solute carrier family 6 member 8	-4.341	6.506
727856	DDX11L16	DEAD/H-box helicase 11 like 16 (pseudogene)	-2.792	1.953
105377225	LOC105377225	uncharacterized LOC105377225	-4.95	1.344
100861532	RNA45SN5	RNA, 45S pre-ribosomal N5	-1.524	2.182
100008588	RNA18SN5	RNA, 18S ribosomal N5	-1.527	2.194
100008589	RNA28SN5	RNA, 28S ribosomal N5	-1.476	1.387
4558	TRNF	tRNA-Phe	-2.926	5.544
4549	RNR1	s-rRNA	-2.571	5.805
4577	TRNV	tRNA-Val	-2.214	3.926
4550	RNR2	l-rRNA	-2.527	4.584
4567	TRNL1	tRNA-Leu	-1.372	1.595
4535	ND1	NADH dehydrogenase subunit 1	-1.615	2.782
4569	TRNM	tRNA-Met	-1.97	2.812
4536	ND2	NADH dehydrogenase subunit 2	-1.81	3.029
4553	TRNA	tRNA-Ala	-1.242	1.512
4570	TRNN	tRNA-Asn	-1.14	1.4
4511	TRNC	tRNA-Cys	-1.144	1.376
4579	TRNY	tRNA-Tyr	-1.134	1.487
4512	COX1	cytochrome c oxidase subunit I	-1.678	3.981
4574	TRNS1	tRNA-Ser	-1.694	3.137
4555	TRND	tRNA-Asp	-1.574	1.691
4513	COX2	cytochrome c oxidase subunit II	-1.83	3.307
4566	TRNK	tRNA-Lys	-2.853	2.89
4509	ATP8	ATP synthase F0 subunit 8	-1.702	2.204
4508	ATP6	ATP synthase F0 subunit 6	-1.552	2.342
4514	COX3	cytochrome c oxidase subunit III	-1.639	2.398
4563	TRNG	tRNA-Gly	-2.371	3.241
4537	ND3	NADH dehydrogenase subunit 3	-2.947	3.609
4573	TRNR	tRNA-Arg	-2.609	2.364
4539	ND4L	NADH dehydrogenase subunit 4L	-1.495	2.403
4538	ND4	NADH dehydrogenase subunit 4	-1.443	3.297
4564	TRNH	tRNA-His	-2.652	2.171
4575	TRNS2	tRNA-Ser	-3.366	2.475
4568	TRNL2	tRNA-Leu	-3.407	3.683
4540	ND5	NADH dehydrogenase subunit 5	-1.505	3.553
4541	ND6	NADH dehydrogenase subunit 6	-1.287	2.629
4556	TRNE	tRNA-Glu	-1.491	1.437
4519	CYTB	cytochrome b	-1.923	4.879
4576	TRNT	tRNA-Thr	-1.565	1.507
4571	TRNP	tRNA-Pro	-1.799	1.487