SUPPLEMENTARY MATERIAL

p-adj-FDR (BH) results for Pan-disease analysis		p1-0 vs 2-3 (DS), shared/distinct Pan and Full dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Pan-dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Full dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Pan-dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Full dysmicrobiosis genes	
Pan-specific DESeq2 gene	**adj-P-Val**	**logFC**	**shared DESeq2 gene**	**adj-P-Val**	**logFC**	**Pan-specific DESeq2 gene**	**adj-P-Val**	**logFC**	**Full-specific DESeq2 gene**	**adj-P-Val**	**logFC**
CAMP	1.50E-07	-1.85291338	ACTN4	1.20E-07	1.01666667	ARHGEF9	1.20E-07	1.01666667	ARHGEF9	1.20E-07	1.01666667
CD36	1.70E-06	1.36120778	DBF4	1.28E-07	1.08333333	ERVK9-11	1.20E-07	1.01666667	ERVK9-11	1.20E-07	1.01666667
ZBTB20	1.10E-07	0.37197632	SCARF1	3.29E-07	0.48629846	hs-miR-5	1.20E-07	1.01666667	LRRC8D	1.50E-07	0.53369887
ANXA13-IT1	6.60E-07	2.77967132	DNAJB12	8.39E-06	0.48691976	ECHDC1	9.37E-07	1.21667	LRRC8D	1.50E-07	0.53369887
hs-miR-192/215-3-3-1	1.20E-06	0.36128768	ZNF292P	8.98E-06	-0.32577666	USP26	1.80E-07	-0.63666667	ZNF292P	1.20E-07	-0.53333333
LMTK3B	1.10E-06	0.36130317	MAN1	1.97E-05	0.61476116	hs-miR-6884-1	1.70E-07	-0.61666667	hs-miR-6884-1	1.70E-07	-0.61666667
LOC101928376	1.90E-06	0.32432137	EI1	0.00018148	0.73926108	hs-miR-5-1	1.20E-07	1.01666667	ZSWIM7-IT	6.29E-03	1.55681984
ZNF292	1.60E-06	0.32432137	ZNF292	0.00018148	-0.32577666	LOC101928376	1.90E-06	0.32432137	LOC101928376	1.90E-06	0.32432137
AC130-7	1.10E-06	1.36120778	ILR7	0.00019233	0.36123608	MEIS3	1.70E-07	0.37212222	LRRC8D	1.50E-07	0.53369887
RNF141	5.30E-06	0.65439766	BCN2	0.00024950	0.36980775	MIR6087	1.87E-07	-0.27778611	MIR6087	1.87E-07	-0.27778611
CAMK2N1	4.20E-06	0.37518377	PSMD7	0.00029113	0.73673047	MIR1538	1.80E-07	-0.29666667	FAM78A	1.80E-07	-0.29666667
TRIM59-IGA	1.00E-06	0.33609403	TPH2	0.00039625	-0.65678629	DMRTC1	1.30E-07	-0.53333333	KIAA1024	3.60E-02	0.53768703
RUNX1-IT1	1.90E-06	0.35149842	SLC16A9	0.00048866	0.32149842	SLC16A9	1.30E-07	0.53333333	ZNF117	2.40E-06	0.70934833
FSHD	1.90E-06	0.35637912	SLMAP3	0.00053101	0.65616265	PGAP3	9.70E-07	0.36130317	FBXW2	1.20E-06	0.32432137
ZNF117	2.40E-06	0.70934833	ZNF117	0.00057	0.70934833	ZNF117	2.40E-06	0.70934833	ZNF117	2.40E-06	0.70934833
ZNF395	1.30E-06	0.25673148	hs-CD3EAG-1	0.00157177	0.40968766	ZNF395	1.30E-06	0.25673148	ZNF395	1.30E-06	0.25673148
KLLL	1.40E-06	0.32769147	CTSLP2	0.00219513	0.32096093	RGPD4	1.70E-06	0.65261337	RGPD4	1.70E-06	0.65261337
C22orf34	1.10E-06	0.36128768	MIR1	0.00228006	0.36128768	MIR1	1.20E-06	0.32432137	MIR1	1.20E-06	0.32432137
SNAR-F	5.70E-06	0.32432137	NPTX1	0.00361634	0.34226377	ERVK3	4.60E-06	0.35141794	ERVK3	4.60E-06	0.35141794
SLC16A1	6.87E-06	-0.35966917	IRX1	0.00365	-0.32096093	DPY2	4.60E-06	-0.35141794	DPY2	4.60E-06	-0.35141794
hs-MIR-9-2	0.00001396	0.36133708	ZCCHC22	0.00387012	-0.40968766	SERAND	6.70E-06	-0.36325487	SERAND	6.70E-06	-0.36325487
TRIM59-IGA	0.00001922	0.32096093	PSAP	0.00391	0.32096093	SLN1	1.17E-06	0.32432137	SLN1	1.17E-06	0.32432137
LGGC1	0.00002966	0.36130275	IRGM-1	0.00397026	0.53249649	ZNF121B	9.62E-06	-0.65678629	ZNF121B	9.62E-06	-0.65678629
ZNF121	0.00002966	-0.36130275	ZNF121B	0.00397026	-0.65678629	ZNF121	9.62E-06	-0.65678629	ZNF121	9.62E-06	-0.65678629
hs-CD3AG154-1	0.00002966	0.40968766	SLFC_D_010968	0.00406294	0.40968766	ZNF397	1.10E-06	0.36128768	ZNF397	1.10E-06	0.36128768
SNORD69	0.00002966	-0.33489026	ZNF683	0.00409234	0.67078293	CD1A/D	1.20E-06	0.32432137	CD1A/D	1.20E-06	0.32432137
CYRIA-IS	0.00003011	-0.36866126	ZNF471	0.00409234	-0.67078293	ZNF471	1.20E-06	-0.32432137	ZNF471	1.20E-06	-0.32432137
hs-TC3N-1	0.00007207	0.33344498	LOC100680	0.00427898	0.47073849	ZNF397B	1.70E-06	0.36128768	ZNF397B	1.70E-06	0.36128768
EI11	0.00007207	-0.42037269	FBI	0.00429002	0.39179077	SNORD38B	1.60E-06	0.79183136	SNORD38B	1.60E-06	0.79183136
IFITM3P	0.00007508	-0.36025421	MIR9-1	0.00430195	-0.36025496	TMX3	3.12E-06	0.27132391	TMX3	3.12E-06	0.27132391
ZNF292-DIS162	0.00008966	0.32432137	ZNF292-DIS162	0.00430195	0.32432137	ZNF292-DIS162	1.20E-06	0.32432137	ZNF292-DIS162	1.20E-06	0.32432137
HLA-DQB2	0.00010366	0.34600000	LOC101928347	0.00430195	-0.32432137	LOC101928347	1.20E-06	-0.32432137	LOC101928347	1.20E-06	-0.32432137
FCGR1A	0.00010136	0.36966066	MYCL	0.00438619	-0.36966066	MIR1538	1.50E-06	-0.29666667	FAM78A	1.80E-07	-0.29666667
ERVK9-8	0.00010136	0.36966066	ERVK9-8	0.00438619	0.36966066	ZNF121B	1.20E-06	-0.65678629	ZNF121B	9.62E-06	-0.65678629
NAIP	0.00010407	0.34146107	PRDM9	0.00439729	-0.65699639	PLEKHG4	1.89E-06	-0.65699639	PLEKHG4	1.89E-06	-0.65699639
SNAR-G2	0.00010238	0.32096093	CCL4L2	0.00439873	0.40973679	PABB	1.40E-06	0.32432137	PABB	1.40E-06	0.32432137
TSC2DC1	0.00009614	0.39462144	CDC120	0.00439873	-0.67078293	MYD88	3.80E-06	0.36296664	MYD88	3.80E-06	0.36296664
ZNF121B	0.00009614	-0.65678629	ZNF121	0.00439873	-0.65678629	ZNF121	9.62E-06	-0.65678629	ZNF121	9.62E-06	-0.65678629
CD1A/D	0.00010136	0.36966066	CD1A/D	0.00439873	0.36966066	CD1A/D	1.20E-06	0.32432137	CD1A/D	1.20E-06	0.32432137
hs-MIR10576-1-2	0.00009614	0.32768586	ECL1	0.00440294	-0.40607269	ECL1	1.60E-06	-0.32432137	ECL1	1.60E-06	-0.32432137
RASGRF1	0.00009614	0.32768586	ZNF683	0.00440294	0.67078293	ZNF683	1.20E-06	0.32432137	ZNF683	1.20E-06	0.32432137
TSC2DC1	0.00009614	0.39462144	LOC100680	0.00440294	0.47073849	ZNF397B	1.70E-06	0.36128768	ZNF397B	1.70E-06	0.36128768
hs-CD3AG154-1	0.00007508	0.40968766	FBI	0.00442602	0.39179077	SNORD38B	1.60E-06	0.79183136	SNORD38B	1.60E-06	0.79183136
SNAR-H	0.00009311	0.49689225	MIR9	0.00443647	0.36809984	ZNF443	6.60E-11	0.34163364	ZNF443	6.60E-11	0.34163364
hs-MIR7107-2	0.00009311	0.36809225	ZNF443	0.00443647	-0.34163364	ZNF443	6.60E-11	-0.34163364	ZNF443	6.60E-11	-0.34163364
LOC101928347	0.00009311	-0.32432137	LOC101928347	0.00443647	-0.32432137	LOC101928347	1.20E-06	-0.32432137	LOC101928347	1.20E-06	-0.32432137
HLA-DQB2	0.00009311	0.34600000	LOC100680	0.00443647	0.47073849	ZNF471	1.20E-06	-0.32432137	ZNF471	1.20E-06	-0.32432137
FCGR1A	0.00010136	0.36966066	MIR1538	0.00443647	-0.29666667	ZNF397B	1.70E-06	0.36128768	ZNF397B	1.70E-06	0.36128768
ERVK9-8	0.00010136	0.36966066	ERVK9-8	0.00443647	0.36966066	ZNF121B	1.20E-06	-0.65678629	ZNF121B	9.62E-06	-0.65678629
LFL	0.00011386	-0.41439054	CTSSPL	0.00447	0.37798149	BBS4	3.81E-06	0.41678693	FLJ45172	5.47E-07	-1.13729779
SLC16A1	0.00012	-0.35966917	CCL4L2	0.00448	0.40973679	MIR7108	1.20E-06	-0.32432137	LOC101928347	1.20E-06	-0.32432137
GSTA1P	0.00009139	0.34278132	CDC120	0.00448	-0.67078293	ENST00	4.42E-06	-0.48607269	hs-MIR9-3	1.67E-06	-0.56475163
UPP1	0.00010172	0.36147162	ABL	0.00449	0.36809984	ZNF443	6.60E-11	-0.34163364	ZNF443	6.60E-11	-0.34163364
PIDT	0.00010172	-0.32432137	PPIG	0.00449	0.37678492	PPIG	3.14E-07	0.37397675	PPIG	3.14E-07	0.37397675
ZNF121	0.00009614	-0.65678629	ZNF121B	0.00449	-0.65678629	ZNF121B	9.62E-06	-0.65678629	ZNF121B	9.62E-06	-0.65678629
CD8B	0.00009139	0.40968766	ZNF397	0.00449	0.36128768	ZNF397B	1.70E-06	0.36128768	ZNF397B	1.70E-06	0.36128768
DNAJB4	0.00010172	0.39462136	PCYT1A	0.00450	0.33070542	CAMK2B	6.20E-06	0.60033192	CAMK2B	6.20E-06	0.60033192
SNORD61	0.00011361	0.36966066	RSL1	0.00450	0.43466399	CHP2	4.23E-06	0.41452741	FUS	1.60E-06	0.56363036
MYOM2	0.00010486	-0.37276032	hs-UCS1-1	0.00450	0.33270429	LMF2	6.61E-06	0.48924149	RHOH	1.60E-06	0.65967083
TNIP	0.00010172	0.36147162	ADT1	0.00450	-0.40607269	ZNF471	1.20E-06	-0.32432137	ZNF471	1.20E-06	-0.32432137
ANXRD1	0.00009139	-0.35325166	ANXRD1	0.00450	0.35325166	SLC1-IS1	7.11E-10	0.33270542	RNF38	1.60E-06	0.33270542
ZNF292-DIS162	0.00009139	0.32432137	ZNF292-DIS162	0.00450	-0.32432137	ZNF292-DIS162	1.20E-06	-0.32432137	ZNF292-DIS162	1.20E-06	-0.32432137
ZNF292	0.00009139	-0.36128768	ZNF292P	0.00450	0.36128768	SNORD60	1.60E-06	0.36128768	SNORD60	1.60E-06	0.36128768
HBB	0.00009139	-0.42348886	RNU6	0.00450	0.34669194	ABCB6	1.60E-06	0.39846126	ABCB6	1.60E-06	0.39846126
SLC16A1	0.00009139	-0.35966917	IFI1	0.00450	-0.40303905	SPRY2	2.60E-06	0.34163364	SPRY2	2.60E-06	0.34163364
CAMP4	0.00009613	0.47667023	CFAP70	0.70	0.45488966	ZCCHC24	2.09E-06	0.60033192	ZCCHC24	2.09E-06	0.60033192
ELA	0.00009613	0.36179178	SNORD82	0.45	0.41966	ELA	1.19E-06	0.49628296	SNORD38A	1.60E-06	0.79183136
RAPH1	0.00010172	-0.39420141	TPTC2	0.70	-0.42600761	RT61	0.00018	0.53809964	LOC403333	2.21E-06	0.51635135
RNU6	0.00010136	0.34669194	PRKD1	0.00018	0.49600624	PRKD1	2.21E-06	0.49600624	ZCCHC24	2.09E-06	0.60033192
DPA6	0.00010172	0.36147162	PPP2CB	0.00018	0.32165423	PPP2CB	1.60E-06	0.36025793	FUC	0.700	0.35809964
CD52	0.00010172	0.36147162	CCDC24	0.00018	0.42122391	CCDC24	2.09E-06	0.42122391	CCDC24	2.09E-06	0.42122391
FPG	0.00010172	0.36147162	CCDC24	0.00018	0.42122391	PPP2CBA	2.60E-06	0.35809964	PPP2CBA	2.60E-06	0.35809964
FPG	0.00010172	0.36147162	PPP2CB	0.00018	0.32165423	PPP2CB	1.60E-06	0.36025793	PPP2CB	1.60E-06	0.36025793
CD52	0.00010172	0.36147162	SLC39A13	0.00018	0.34169964	SLC39A13	1.39E-06	0.34169964	SLC39A13	1.39E-06	0.34169964
DPA6	0.00010172	0.36147162	ARHGEF9	0.00018	0.36147162	ARHGEF9	1.20E-06	0.36147162	ARHGEF9	1.20E-06	0.36147162
DPA6	0.00010172	0.36147162	ZNF292	0.00018	0.36147162	ZNF292	1.20E-06	0.36147162	ZNF292	1.20E-06	0.36147162
DPA6	0.00010172	0.36147162	ZNF292P	0.00018	0.36147162	ZNF292P	1.20E-06	0.36147162	ZNF292P	1.20E-06	0.36147162
CD52	0.00010172	0.36147162	ZNF292	0.00018	0.36147162	ZNF292	1.20E-06	0.36147162	ZNF292	1.20E-06	0.36147162
CD52	0.00010172	0.36147162	ZNF292P	0.00018	0.36147162	ZNF292P	1.20E-06	0.36147162	ZNF292P	1.20E-06	0.36147162

p-adj-FDR (BH) results for Pan-disease analysis		p1-0 vs 2-3 (DS), shared/distinct Pan and Full dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Pan-dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Full dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Pan-dysmicrobiosis genes		p1-0 vs 2-3 (DS), results for Full dysmicrobiosis genes	
pan-specific DESeq2 gene	**adj-P-Val**	**logFC**	**shared DESeq2 gene**	**adj-P-Val**	**logFC**	**Pan-specific DESeq2 gene**	**adj-P-Val**	**logFC**	**Full-specific DESeq2 gene**	**adj-P-Val**	**logFC**
ZNF292-DIS162	0.00009139	0.32432137	ZNF292-DIS162	0.00450	-0.32432137	ZNF292-DIS162	1.20E-06	-0.32432137	ZNF292-DIS162	1.20E-06	-0.32432137
ZNF292	0.00009139	-0.36128768	ZNF292	0.00450	0.36128768	ZNF292	1.20E-06	0.36128768	ZNF292	1.20E-06	0.36128768
ZNF292P	0.00009139	-0.36128768	ZNF292P	0.00450	0.36128768	ZNF292P	1.20E-06	0.36128768	ZNF292P	1.20E-06	0.36128768
ZNF292	0.00009139	0.36128768	ZNF292	0.00450	-0.36128768	ZNF292	1.20E-06	-0.36128768	ZNF292	1.20E-06	-0.36128768
ZNF292P	0.00009139	0.36128768	ZNF292P	0.00450	-0.36128768	ZNF292P	1.20E-06	-0.36128768	ZNF292P	1.20E-06	-

BMP6	8.36E-05	0.8568655511	PURG	1.1841479E-06	HBTS4B	0.0252006	0.4130192528	SLC27A6	1.23E-06	0.4210216164	ATP13A3	1.23E-06	0.4918974859	FN1	9.36E-05	-1.3576556329	LAPTM5	9.36E-05	-0.5308226279
MFSD7	8.36E-05	0.8369503961	SLC7_C_01D782	1.84E-10	0.3183395911	hs-PRM0HA-1	0.0257819	0.3840961498	REV1	1.23E-06	0.3797809436	SEM1	1.23E-06	0.2383505951	HSD17B12	9.36E-05	0.2516587753	SNORD52	9.36E-05	0.3650711168
TMEM189	8.36E-05	0.8369503961	SLC7_C_01D782	1.84E-10	0.3183395911	hs-PRM0HA-1	0.0257819	0.3840961498	SLC25A44	1.23E-06	0.3797809436	SEC61B	1.23E-06	0.3183395911	SEC61B	1.23E-06	0.3183395911	SEC61B	1.23E-06	0.3183395911
SLC22A3	8.36E-05	0.8369503961	SNORD63	1.76E-10	0.4370473232	SNORD63	0.1374514	0.3918426175	SLC25A44	1.23E-06	0.3797809436	SEC61B	1.23E-06	0.3183395911	SEC61B	1.23E-06	0.3183395911	SEC61B	1.23E-06	0.3183395911
CHAF1B	8.37E-05	0.2771294831	hs-MIR197-1	1.81E-10	-0.4164386911	PGM2CGP	0.2297984	0.3868486998	TYMP	1.23E-06	0.5276175247	LINC02663	1.14E-06	0.2798508875	RNN	8.36E-05	0.7094656766	LINC02616	6.24E-05	0.3933963622
LINC00870	8.36E-05	0.3923928396	PGBD1	1.82E-10	0.3975879779	PPP1R1A	0.2298202	0.3975879779	PPP1R1A	1.23E-06	0.3975879779	SPRT	1.23E-06	0.2272278271	LRRC2	0.1779	0.5875525275	LINC02663	6.24E-05	0.2998512851
UHFR12	8.36E-05	1.2115742174	HBTS4B4	1.86E-10	-0.4777338421	HPSE	0.2298622	-0.4216166197	CTA051J8*	1.23E-06	0.3160987898	LOC100506548	1.16E-06	-0.3760321131	EDR1	9.36E-05	0.5798865425	LINC02863	6.48E-05	-0.3960886
LOC730267	8.36E-05	0.3798452277	HBTS4B1	1.86E-10	0.3183395911	SNORD67	0.2317569	0.3183395911	SNORD67	0.1312341	SFN5	1.23E-06	0.4210216164	SNORD	9.36E-05	-0.6968833022	FCGR3B	7.22E-05	0.3197115118
WFS1	8.36E-05	0.8163671961	SNORD58	2.142E-10	0.5230757766	DAB	0.2318981	-0.3300022136	HNMT	1.23E-06	0.7131785	CDC16	1.23E-06	-0.3380026906	NDS2	9.36E-05	-0.6968833022	HLA-DPB1	7.22E-05	-0.5491111111
ZNF483	0.0003855	0.5150512121	FGF	2.16E-10	0.5127825214	SNORD21	0.2319918	0.4868211102	CUX1	1.23E-06	0.3380026906	ZNF602	1.23E-06	-0.4121218	ZNF602	1.23E-06	-0.4121218	ZNF602	1.23E-06	-0.4121218
TMEM80	0.0003102	0.3269571752	SNORD27	2.23E-10	0.4703267951	SEA127	0.2334523	0.3361527176	ABHD8P8	1.17E-06	0.6282509979	PGBD1-AS1	1.39E-06	0.3761675423	[illegible]	9.36E-05	0.6968837186	TTC27	7.12E-05	0.3318126169
LINC00486	0.0003102	0.3269571752	SNORD27	2.23E-10	0.4703267951	SNORD27	0.2334523	0.4703267951	SNORD27	0.1312341	SNORD27	0.1312341	SNORD27	0.1312341	SNORD27	0.1312341	SNORD27	0.1312341	SNORD27	0.1312341
LOC102724276	0.0003102	0.5751762925	SNORD58	2.23E-10	0.5230757766	CAE	0.2375013	0.4168499997	CAE	0.1312341	ATP10A*#1	1.39E-06	0.3761675423	hs-MIR99AF-1	0.0002007	-0.3761675423	hs-MIR99AF-1	0.0002007	-0.3761675423
RNU126	0.0003148	-0.3970761564	DSA	2.27E-10	0.4991975	SNORA21	0.2386179	0.3870239196	RC1B	1.18E-06	0.4210216	RC1B	1.23E-06	0.4210216	FUCA1	0.0001699	-1.1316410539	TTRG	7.49E-05	-0.3217868
ZBED	0.0003151	0.7618345411	PSRP1	2.3E-10	0.3511423164	LOC130430	0.2387202	0.4210216164	ZKSR	1.17E-06	0.3910574	ZKSR	1.23E-06	0.3910574	HBTS4B4	1.39E-06	0.4963112	CYP1A1	7.49E-05	-0.5796166361
OSGIN1A	0.0003156	-0.8988631324	PIF1	2.326E-10	0.3183395911	SNORD66	0.2407639	-0.4243257679	NFKBIB	1.18E-06	0.5192674213	PPAR	1.36E-06	0.2210419811	SPRN1	0.0001659	-1.1162021661	MYOF	7.87E-05	-0.8033321368
RAD51B	0.0003162	0.5370162122	PPAR	2.36E-10	0.5127825214	TBX	0.2408827	0.3183395911	TBX	0.1312341	SNORD68	0.1312341	SNORD68	0.1312341	SNORD68	0.1312341	SNORD68	0.1312341	SNORD68	0.1312341
NAGK	0.0003185	0.3332182421	SPCPP2	2.6E-10	0.3417624169	ADAMS2	0.3229819	-0.3870239196	CD109A	1.18E-06	0.3483922	CD109A	1.23E-06	0.3483922	[illegible]	9.36E-05	-0.7308766	ZCCHC13	8.19E-05	-0.2298516169
LINC00621-1	0.0003214	0.3183395911	LOC100507513-1	2.6E-10	0.3183395911	RNPS1	0.3265268	0.3183395911	RNPS1	0.3183395	RNPS1	0.3183395	RNPS1	0.3183395	RNPS1	0.3183395	RNPS1	0.3183395	RNPS1	0.3183395
MAPK13	0.0003216	0.3384243172	RC1B2P5	2.6E-10	0.3883965				ATAD3A	1.18E-06	0.3380961	HPR2B	1.23E-06	0.4370426	SCC2	8.19E-05	0.4168117898	hs-CDR-1	8.19E-05	0.2178887
EPHB4-2	0.0003143	0.6622216	TG162	2.707E-10	0.4775332886				RUFY1	1.61E-06	0.7775319225	NCC1L	1.76E-06	0.1441539815	hs-PRM0HA-2	0.0001657	1.2202693012	PRL	9.18E-05	-0.4548475708
SCD2	0.0003151	0.3183395911	SNORD70	2.81E-10	0.3380961				SPHEG1	1.23E-06	0.4370426	ZNF497	1.23E-06	0.3183395911	FDRA2	0.0001659	-0.7563331	GPR180	9.24E-05	0.4135772
ALDH2	0.0003161	0.6622784	SNORD28	2.85E-10	0.6282509				CSPG5N2	1.62E-06	0.6962739	HBTS4B7	1.86E-06	0.4867764	HBTS4B7	1.86E-06	-0.6968833	TMEM179	9.68E-05	0.3834553
PLB1	0.0003177	0.3710363	SNORD	2.87E-10	0.4210216	hs-PRM0CA	2.6E-06	0.4210216	DYSF1	1.62E-06	0.6192328	ARL17B	1.23E-06	0.4210216	RPN2P5	0.0001664	-0.5188845	LINC00290	9.96E-05	0.2782398
POLE2	0.0003181	0.3423129	CH08	2.922E-10	0.3983182				ZBED-AS1	1.62E-06	0.3961758	hs-PRM0CB-4	2.02E-06	0.3620232	CDC16	0.0001679	-0.8328389	LOC102723473	0.000316	0.3960962
PLB1	0.0003181	0.3423129	SNORD	2.93E-10	0.4210216	SNORD	0.2437	0.4210216	ZBED-AS1	1.62E-06	0.3961758	ZBED	1.62E-06	0.3961758	ZBED	1.62E-06	0.3961758	ZBED	1.62E-06	0.3961758
BDS5	0.0003203	0.3275858	HCN2	2.97E-10	0.4243876				ZBED	1.76E-06	0.3961758	ZBED	1.62E-06	0.3961758	ZBED	1.62E-06	0.3961758	ZBED	1.62E-06	0.3961758
SEPL1	0.0003224	0.3910856	PRJNA	3.107E-10	0.7509652				SCML1	1.76E-06	0.7509652	ELL1	2.10E-06	0.2610449	HCAR3	0.0001683	-1.2298698161	LOC100506161	0.0003111	-0.4275392
CNAR3	0.0003232	0.7509652	LOC102072384	3.1E-10	0.3183395911				ADH6	1.76E-06	0.7509652	TRIP4	2.1E-06	0.4074197	HTR7	0.0001688	0.5876152268	GJB2	0.0003131	-0.2258766
TPPP3	0.0003273	1.1610998666	MMD	3.173E-10	0.8327365				FLJ00038	1.93E-06	0.8153718541	ZBED3	2.16E-06	0.4548966	CDC16	0.0001693	0.6523152168	AMHRP58	0.0001183	-0.5217615
PRR7	0.0003273	0.3910856	TG162	3.1844E-10	0.3980758				hs-MIR98-1	2.16E-06	0.3980758	ZNF	2.16E-06	0.3980758	SNORD68	0.0001694	0.1812918	SPRR	0.0001211	-0.5867263
PLEKHG3	0.0003291	0.8153718541	SPP	3.76E-10	0.4210216171				DDX39A	1.94E-06	0.5032814126	ABCD1	2.36E-06	0.4962043	hs-TPRG-2	0.0001147	0.7797974037	ZCCHC13	0.0001187	-0.3545317
CLEC1A	0.0003299	0.7509652	ASAP3	3.84E-10	0.3753332				CHUK7	1.96E-06	0.5791132	LTS1	2.36E-06	0.3983771	CRYZ	0.0001147	0.7117766961	RLN3	0.0001264	-0.6269624
VIOP	0.0003315	0.3710363955	SEDM2	3.84E-10	0.4884136				DDX57	1.96E-06	0.4396572	BGLP	2.32E-06	0.3423829	SNORD69	0.0001182	0.3397542	DYTN	0.0003239	0.3231233
HBTS4B2	0.0003315	0.3710363955	SEDM2	3.84E-10	0.4884136				DDX57	1.96E-06	0.4396572	DDX57	1.96E-06	0.4396572	DDX57	1.96E-06	0.4396572	DDX57	1.96E-06	0.4396572
SCD2	0.0003315	0.3423129	LOC102724276	3.9E-10	0.4210216				SPRR2D	1.96E-06	0.4210216	UPK2	2.36E-06	0.3423829	SPRR2D	0.0001187	1.2202693012	PPP4R2	0.0003274	0.2331421
MCMP5	0.0003336	0.8921121106	TMPRSS2	4.01E-10	0.4210216171				VTRNA1-3	2.0E-06	0.5880016168	TNF1	2.37E-06	0.3796256	FUNDC1	0.0001237	-0.7132321365	RUFY1	0.0001287	-0.3329214168
PPAR5	0.0003342	0.3168675762	TMEM	4.04E-10	0.3511423				SRRT	2.01E-06	0.4210216	HNRNPK2	2.37E-06	0.3761675423	ZNF420	0.0001237	-0.4121218	ZNF420	0.0001287	-0.4121218
METO2	0.0003363	0.3983758	S100A	4.161E-10	0.3987455				NSUN11	2.12E-06	0.3957171	hs-PRE0F9-3	2.38E-06	0.4362338	TMEM3	0.0001238	-1.2766251261	SHOX1	0.0003127	0.5991876762
TUBGCP6	0.0003363	0.3983758	hs-PLC6-1	4.2E-10	0.3976837				FAM162A	2.12E-06	0.4197692	ZNF	2.38E-06	0.4197692	ZNF	2.38E-06	0.4197692	PLD2	0.0003219	0.2798867
HIRIP3	0.0003408	0.1122182182	PRDM1-AS1	4.36E-10	0.4362338				GSH	2.23E-06	0.6080958	PKDP1	2.38E-06	0.2432849	HAUS7	0.0001247	-0.5602102472	PLAT	0.0003165	-0.4197692
LOC100506548	0.0003408	0.1122182182	LOC100506548	4.36E-10	0.4362338				LOC102724276	2.23E-06	0.3183395911	LOC102724276	2.23E-06	0.3183395911	LOC102724276	2.23E-06	0.3183395911	LOC102724276	2.23E-06	0.3183395911
TMEM50A	0.0003408	0.4217423237	APP	4.41E-10	0.3980319				LINC00628	2.28E-06	0.3380961	ZNF	2.41E-06	0.4561476	RNH1	0.0001263	0.6224387	FDX1	0.0003408	0.2710862
SLC_C_D08789	0.0003437	0.4270362126	HBTS4B8*	4.81E-10	0.3980319				NSUN2	2.39E-06	0.5180679	RNN2G	2.67E-06	-0.3617572	SNORD68	0.0001331	0.1725015669	CTBP2	0.0003163	-0.4032688977
ZNF	0.0003437	0.4270362126	HBTS4B8	4.81E-10	0.3980319				CAMSAP2	2.37E-06	0.5180679	CAMSAP2	2.37E-06	0.5180679	SNORD68	0.0001331	0.1812918	CTBP2	0.0003163	-0.4032688977
BDSN75	0.0003437	0.6663431	DSG-1/DR-2	4.84E-10	-0.4216691				CHMP	2.47E-06	0.4216691	TMEM	2.67E-06	0.7981	Cdc48	0.0001321	0.3911972	PER	0.0003409	-0.3997398652
PLEC9L	0.0003452	0.7778823	TBX2	4.86E-10	0.3761675				ARPP2	2.47E-06	0.3761675	hs-MIR9C-1	2.72E-06	0.3183395	GPR66	0.0001328	0.6718988	GPR66	0.0003409	0.3400419409
KRAS	0.0003452	0.6423291	UPRP5	4.86E-10	0.4869241				NOP56	2.47E-06	0.7725782	TDH1	2.77E-06	0.3983016	PRKFB4	0.0001374	0.6396829922	NDUFB10	0.0003435	0.3320988
ZNF	0.0003452	0.6423291	LOC102724276	4.86E-10	0.3183395911				LOC102724276	2.47E-06	0.3183395911	LOC102724276	2.47E-06	0.3183395911	LOC102724276	2.47E-06	0.3183395911	LOC102724276	2.47E-06	0.3183395911
PPP	0.0003452	0.6423291	LOC102724276	4.86E-10	0.3183395911				ZNF	2.47E-06	0.3980319	ZNF	2.47E-06	0.3980319	SNORD68	0.0001331	0.1812918	SNORD68	0.0003435	0.3320988
SRY	0.0003452	0.6423291	PPP	4.86E-10	0.3980319				ZNF	2.47E-06	0.3980319	ZNF	2.47E-06	0.3980319	SNORD68	0.0001331	0.1812918	SNORD68	0.0003435	0.3320988
ARF1C	0.0003329	0.8423291	hs-MIR677-1	4.88E-10	0.3183395				APBA3	2.47E-06	0.3183395	hs-PRM1C-1	2.47E-06	0.3183395	CYP7A	0.0001348	0.3183395	CYP7A	0.0003435	0.3183395
ZRC	0.0003329	0.8423291	LRRC15*AP	5.011E-10	0.3791984				ZSCAN22	2.62E-06	0.6180132	DENND1A	3.17E-06	0.4733163	CBR3D7	0.0001149	-0.7132321	SNORD70	0.0003479	0.3317963
APM2054	0.0003333	0.4210216796	SNORD	5.127E-10	0.4210216				TTC1	2.67E-06	0.4210216	LINC02663	3.17E-06	0.3183395	CDK9	0.0001163	1.1329367	CDK9	0.0003479	0.3317963
SPNN1	0.0003333	1.1313118	HBTS4B10	5.7E-10	-0.4197922				ERVMP-11	2.7E-06	0.3197926	RAJ8	3.16E-06	0.3708656	PTK1	0.0001163	0.5423152951	ESB1	0.0003429	-0.7930148
SPNN1	0.0003366	0.9153757127	LOC102724276	5.83E-10	0.3183395911				SAMHD	2.75E-06	0.3197926	SAMHD	2.75E-06	0.3197926	SLC1A3	0.0001163	0.5876152268	SLC1A3	0.0003429	0.3997398652
TNFRSF1A	0.0003419	0.8977752	hs-SLC26A4-1	5.81E-10	0.3983758				PRDM16	2.81E-06	0.3980958	hs-DYDC1-4	2.81E-06	0.3980958	hs-DYDC1-4	2.81E-06	0.3980958	CBR3D1	0.0003429	0.4889932307
LOC102724276	0.0003419	0.3183395911	SNORD	5.9E-10	0.4210216				ZNF	2.81E-06	0.3980958	ZNF	2.81E-06	0.3980958	ZNF	2.81E-06	0.3980958	ZNF	2.81E-06	0.3980958
TMEM	0.0003419	0.3183395911	FUS1	5.95E-10	0.3620232				ZNF	2.81E-06	0.3980958	SPRR2	2.81E-06	0.3620232	SPRR2	0.0001163	0.7608431	SPRR2	0.0003429	0.3620232
ZNG3B	0.0003407	0.3398989	FBN1	6.3860	0.3983758				FBN1	2.86E-06	0.3983758	hs-CLC6A18-1	3.72E-06	0.4204302	EZR-AS1	0.0001099	0.5192198667	ARPP19	0.0002215	-0.5183158
PDTRP2	0.0003408	0.3983758	LLGNL	6.27E-10	0.4810671				TPUBP2	2.87E-06	0.3983758	TMEM127	3.74E-06	0.4514334	LINC02664	0.0001099	0.2132268	LINC02664	0.0003429	0.3183395
UUN80	0.0003408	0.8910763	CDR3B	6.5E-10	0.3920653				LOC102724276	2.87E-06	0.7318341614	ETS2	3.92E-06	0.5210176	SLC_C_D08	0.0001082	0.5998187378	NAGA	0.0002222	-0.6575829967
ARL8B2	0.0003171	0.3618172	PPP2CB	6.7E-10	0.3183395				DDX21	2.93E-06	0.3183395	PPP2CB	3.92E-06	0.3183395	PPP2CB	3.92E-06	0.3183395	PPP2CB	3.92E-06	0.3183395
LUNA	0.0003171	0.8663262	PKD2L1	6.76E-10	0.3710363				PKD2L1	2.93E-06	0.3980386	GSEC1	3.98E-06	0.3983	EGLL1	0.0001085	0.7796806273	EGLL1	0.0003429	0.5898263
ZNF	0.0003171	0.8663262	ZNF	6.76E-10	0.3710363				ZNF	2.93E-06	0.3710363	ZNF	2.93E-06	0.3710363	ZNF	2.93E-06	0.3710363	ZNF	2.93E-06	0.3710363
NDRG	0.0003158	0.3983758	SNORD	7.07E-10	0.4210216				SNORD	2.93E-06	0.4210216	RDBC	4.03E-06	0.4767447	FCGR3B	0.0001151	0.5998187378	HLA-DRB6	0.0003429	0.5898263
SSSB12	0.0003741	1.1318145417	CDL1BA	7.48E-10	0.9767539				CCSC	2.93E-06	0.7754726	SI4	4.03E-06	-0.4349256	SLC16A8	0.0001781	-0.7078738	RPE1	0.0003189	0.3237738
BB2	0.0003741	0.3227809	SNORD	7.48E-10	0.4210216				CCSC	2.93E-06	0.7754726	CCSC	2.93E-06	0.7754726	ALBRH-AS1	0.0001781	0.6968833	SNORD87	0.0003127	0.3183395
GBP1	0.0003771	0.7876988	KIAA1841	8.0E-10	0.3680767				TAMM-41	2.93E-06	0.3620232	AP3D1	4.10E-06	0.3797918	PRD	0.0001781	-0.4864971	PRR	0.0002564	-0.5242116
PPP6R3B	0.0003771	0.3613812124	HBTS8*	8.1E-10	0.3983758				hs-CC7N-1	2.93E-06	0.4767537	hs-MIR99AF-2	4.16E-06	0.4767537	hs-MIR99AF-2	4.16E-06	0.4767537	hs-MIR99AF-2	4.16E-06	0.4767537
UCHD	0.0003785	0.3923928396	hs-DPEP2-2	8.35E-10	0.4169423176				ANKRD36BP2	3.14E-06	0.3429769	SSBP	4.39E-06	0.4918962	ECH1	0.0001812	0.6968833	CST4	0.0002991	-0.3131227
LINC00486	0.0003822	0.3183395911	SNORD	8.4E-10	0.4210216				SCG3	3.17E-06	0.3183395	SCG3	4.39E-06	0.3183395	SCG3	4.39E-06	0.3183395	SCG3	4.39E-06	0.3183395
RNBC3	0.0003822	0.3183395911	hs-MIR4281-1	8.4E-10	0.3183395				SCG3	3.17E-06	0.3183395	PHF1	4.39E-06	0.5798458	LOC102724276	0.0001781	0.3183395911	LOC102724276	0.0003429	0.3183395911
LOC102724276	0.0003822	0.3183395911	SNORD	8.4E-10	0.4210216				hs-MIR4281-1	3.18E-06	0.4364931	EZR	4.41E-06	0.4710369	LRC15B54	0.0001781	0.3183395911	LRC15B54	0.0003429	0.3183395911
RHCG	0.0003477	0.7517699	SNORD76	1.0829E-09	0.3380962				EETB22	3.88E-06	0.3422296	SPRR2	4.47E-06	0.4862633	SDSL	0.0001691	-0.6318867	CTN	0.0002649	-0.7002148112
ZNF	0.0003399	0.3980758	ZNF	1.0829E-09	0.4210216				ZNF627	3.91E-06	0.4210216	ZNF627	4.51E-06	0.4210216	ZNF627	4.51E-06	0.4210216	ZNF627	4.51E-06	0.4210216
SSSB4	0.0003401	1.3483732	PPP6R3	1.15E-09	0.3983022				hs-MIR8066-1-2	3.98E-06	0.4367264	SNRNA1	4.98E-06	0.3620867	PARVGL1	0.0001693	0.7798806273	HLA-DN	0.0002252	-0.5092021865
ZNF	0.0003401	0.7189177798	ACAC8	1.08E-09	0.2398747				SLC_C_D08822	3.98E-06	0.3198747	ZNF	4.98E-06	0.3198747	hs-MTND4-1	0.0001693	0.7798806273	LOC102724232	0.0003429	0.3183395
ACTR2	0.0003403	0.3423729	hs-MIR0319-1	1.08E-09	0.3976858				CRX2	3.73E-06	0.6180129	hs-MIR0319-1	4.75E-06	0.3370369	CCR1	0.0001693	1.1210156667	TUBE1	0.0003141	-0.6267384
ZNF	0.0003403	0.3423729	ZNF	1.08E-09	0.3423729				ZNF	3.73E-06	0.3423729	ZNF	4.75E-06	0.3423729	ZNF	4.75E-06	0.3423729	ZNF	4.75E-06	0.3423729
ZNF	0.0003403	0.3423729	PPP2CB	1.1E-09	0.3183395				PHF16	3.13E-06	0.4367264	PHF16	4.75E-06	0.4367264	EDF1	0.0001693	0.7525244141	EDF1	0.0003141	0.3183395
TPPP2	0.0003228	0.3333757	HBTS4B	1.2829E-09	0.4169423				CSGEP	3.92E-06	0.3961323	LINC02663	4.93E-06	0.3423257	SNORD80	0.0001693	0.7525244141	TSPYL4	0.0003139	-0.6033094893
CCL16	0.0003206	0.5238362364	SNORD	1.3E-09	0.4210216				SLC26A3A	3.61E-06	0.5210176	SMPY1	5.31E-06	0.3576486	SNORD	0.0001693	0.7525244141	SNORD	0.0003141	0.3183395
RNF15	0.0003206	0.4170591423	TRC102C	1.22E-09	0.5374752				HR	3.96E-06	0.4163014127	NBS	5.32E-06	0.5838361	NDP73	0.0001211	-0.6967726	MRPS	0.0003092	-0.5183158
RNGRT1	0.0003206	0.4177128	CORO1	1.22E-09	0.4210216				CORO1	3.96E-06	0.4210216	CORO1	5.32E-06	0.4210216	GPC7	0.0001211	0.5423152951	GPC7	0.0003141	0.3183395
KLRB1	0.0003128	0.7616279	SNORD	1.25E-09	0.3983758				SNORD	3.96E-06	0.3983758	SNORD	5.32E-06	0.3983758	DDX6P	0.0001247	-0.6196876614	TBPL2	0.0003141	0.3183395
LOC102724276	0.0003128	0.3183395911	SNORD	1.25E-09	0.3183395				SNORD	3.96E-06	0.3183395	SNORD	5.32E-06	0.3183395	SNORD	0.0001247	0.1812918	SNORD	0.0003141	0.3183395
LOC102724276	0.0003128	0.3183395911	SNORD	1.25E-09	0.3183395				RTS1	3.97E-06	0.4164776	hs-DYDC1-1	5.32E-06	0.4164776	hs-DYDC1-1	5.32E-06	0.4164776	hs-DYDC1-1	5.32E-06	0.4164776
FBXL22	0.0003106	0.6250387	ATAL1	1.6898E-09	0.9676682				HPRA1	4.57E-06	0.6962986	NACC2	5.35E-06	0.3761171	PRDM1	0.0001081	0.8638162424	POTEM	0.000253	-0.5729166167
CZT6	0.0003	0.3968725	LOC100506548	1.8E-09	0.4362338				ZSWIM8	4.12E-06	0.4168267	ZSWIM8	5.41E-06	0.4168267	ZSWIM8	5.41E-06	0.4168267	ZSWIM8	5.41E-06	0.4168267
MUR1	0.0002998	0.8992261	SNORD	1.8E-09	0.4210216				TAMM-41	4.12E-06	0.3960896	BBS2	5.56E-06	0.3920734	SNORD80	0.0001693	0.5465614234	SNORD	0.0003141	0.3183395
PSMB6	0.0002027	0.3968161	hs-MIR1181-1	1.84E-09	0.4377763				C10orf95	4.66E-06	0.4377763	CBS3	5.66E-06	0.4377763	SNORD	0.0001693	0.5465614234	SNORD	0.0003141	0.3183395
KRT2E2	0.0002149	0.3968162	LARP1	1.82E-09	0.3320816				ACD5	4.77E-06	0.5718738	PNPLA7	5.79E-06	0.3367524	EDN3	0.0001677	0.3961456672	NMR2	0.0003041	-0.3408759
ZNF	0.0002149	0.3968162	ZNF	1.82E-09	0.3968162				ZNF	4.77E-06	0.3968162	ZNF	5.79E-06	0.3968162	ZNF	5.79E-06	0.3968162	ZNF	5.79E-06	0.3968162
PNMC3	0.0002149	0.6164253	LOC102724276	1.2E-09	0.3183395				ARC12	4.12E-06	0.3423257	ZNF	5.79E-06	0.3423257	ZNF	5.79E-06	0.3423257	ZNF	5.79E-06	0.3423257
NMT1	0.0002094	0.2776882	TMC4	2.171E-09	0.4577143				SLC22A4	5.20E-06	0.4577143	ZNF	6.01E-06	0.3423257	ZNF	6.01E-06	0.3423257	ZNF	6.01E-06	0.3423257
FAM21AB	0.0002094	0.4110163	CTSA*#1	2.14E-09	0.4210216				SAP14	5.20E-06	0.4210216	RCN1A	6.06E-06	0.3423257	EDN3	0.0001677	0.3961456672	EDN3	0.0003041	0.3408759
CEP290	0.0002098	0.5720286	HBTS4B	2.8898E-09	0.7330326				USP36	5.09E-06	0.8192362	CIR2	6.36E-06	0.5454199	GUF1	0.0002006	-1.2988276029	ENO11	0.0003776	-0.8632429029
PLCB2	0.0002074	0.3388517	CTSA	2.3E-09	0.4210216				CLU9	5.09E-06	0.4168267	CIR2	6.36E-06	0.5454199	CIR2	6.36E-06	0.5454199	CIR2	6.36E-06	0.5454199
LUC7L3	0.0002024	0.3548112	CEP	2.307E-09	0.3423262				hs-MIR373-3	5.07E-06	0.3423262	SPRR3B	6.41E-06	0.3423262	SPRR3B	0.0001663	0.5016826971	hs-TRPC7-16	0.0003629	-0.3368167855
SUPM2	0.0002068	0.4621618	RPS26	2.4E-09	0.3918171				SUPM2	5.14E-06	0.4621618	SUPM2	6.41E-06	0.4621618	SUPM2	6.41E-06	0.4621618	SUPM2	6.41E-06	0.4621618
SPP1	0.0002068	0.7232818168	TRAF3	2.4868E-09	0.4362338				LOC102724276	5.78E-06	0.3183395911	ANKRD22BP	6.92E-06	0.3423262	CFP	0.0002006	0.6230221121	FAM22B6	0.0003215	0.3318126169
ZNF	0.0002068	0.7232818168	ZNF	2.4868E-09	0.4210216				ZNF	5.78E-06	0.4210216	ZNF	6.92E-06	0.4210216	ZNF	6.92E-06	0.4210216	ZNF	6.92E-06	0.4210216
ZNF	0.0002068	0.7232818168	ZNF	2.4868E-09	0.4210216				ZNF	5.78E-06	0.4210216	ZNF	6.92E-06	0.4210216	ZNF	6.92E-06	0.4210216	ZNF	6.92E-06	0.4210216
UBR	0.0002068	0.6164253	RAB12A	2.5E-09	0.3380967				ARRC2	5.41E-06	0.4168267	ARRC2	6.92E-06	0.4168267	ARRC2	6.92E-06	0.4168267	ARRC2	6.92E-06	0.4168267
UB

PSSR2	0.1918692	0.8372912752	FAM63A	3.3828-08	-0.4647425586	CRBGP	-4.998-05	0.3823867852	BCL3	0.0003680	-0.4811154411	SPP1	0.0003768	-0.7134193535	
CAVP1	0.1918738	0.8626238812	GPS8	3.8308-08	-0.4796738891	NGC5L	5.339-05	0.5132851891	RFP	0.0003680	-0.4600589893	CCL2	0.0004667	-1.8733353793	
ZNF280B	0.1918752	0.8626238812	ZNF280B	3.7908-08	-0.4796738891	CCL2	5.339-05	0.5132851891	ZNF280B	0.0003680	-0.4600589893	ZNF280B	0.0003680	-0.4600589893	
BC130024	0.1918800	0.1008873329	CYP8B1	3.7908-08	-0.6181813027	CAMK2G	5.339-05	0.5132851891	FAP100A	0.0003680	-1.0917233311	ADA	0.03379	-0.0965613864	
DBI	0.1918873	0.6034201334	HIST3H3F	3.6928-08	-0.5633638327	PPP6R2J	5.149-05	0.6184202016	DPP9-681	0.0003680	-0.6231331026	DHX12	0.0003683	-0.2233323861	
ACADVL	0.1919711	0.1632908381	LIF	3.6808-08	-0.3364014261	GPR78	5.179-05	0.3988629541	LOC102803895	0.0004001	-0.2233323139	IFNAR1	0.0003688	-0.3341131279	
CCR1	0.1919760	1.1198966051	HIST4H2BN	3.6668-08	-0.3703750363	LOC388765	5.399-05	0.6355175925	EIF2	0.0004094	-0.3349954777	MGST1	0.0003698	-0.7596368135	
IFI30	0.1919764	0.3938833898	ZNF91P	3.6669-08	-0.3364013573	C1orf204	5.399-05	-0.4600589229	SDS2	0.0004077	-0.4600589229	SDS2	0.0003777	-0.6148611797	
RBL12	0.1919786	0.3703906458	BNIP	4.0668-08	-0.3881193686	HLAF	5.529-05	0.3944189886	SRD5A3	0.0004172	-0.5877384014	SRD5A3	0.0003787	-0.9316369163	
TK2	0.1919798	0.3132362327	HIST1H3B	4.2568-08	-0.3763587970	LOC102803942	5.619-05	-0.3613247876	CLDN1	0.0004218	-0.4953834	DIB2	0.03386	-0.7175353851	
TFFC	0.1919816	0.8427734944	NDC8	4.2758-08	-0.3867124341	BGRR	5.649-05	-0.5148795834	BNIP3H	0.0004219	-0.3830303339	CDTL1	0.0003876	-0.6354556526	
TMEM176A	0.1919827	0.3132362327	HIST1H3B	4.2568-08	-0.3763587970	LOC102803942	5.649-05	-0.3613247876	CDTL1	0.0004219	-0.3830303339	CDTL1	0.0003876	-0.6354556526	
BPGM	0.1919850	0.3132362327	LOC102724523	5.0498-05	-0.6354556526	SLC7A5P2	5.699-05	-0.6354556526	CDTL1	0.0004219	-0.3830303339	CDTL1	0.0003876	-0.6354556526	
MPP1	0.1919932	0.3355661126	FER	4.6078-08	-0.3917388626	LOC102724523	5.729-05	-0.3355661126	SRP9	0.0004141	-0.4500875711	SRP9	0.0003891	-0.2108987337	
MYG1	0.1919997	0.3355661126	VCL	4.8108-08	-0.3753152636	CNOT6L	5.749-05	-0.3355661126	SRP9	0.0004141	-0.4500875711	SRP9	0.0003891	-0.2108987337	
ZNF538	0.1919996	0.3918221349	ENOSF1	5.0318-08	-0.4233887879	TAAE	5.859-05	0.3985528287	CSCR6	0.0004166	-0.4777756799	NPC2	0.0003928	-0.5243833877	
STX16LA	0.1919963	0.3388713211	SFXC51L	5.1798-08	-0.6701633177	SLC16A3	5.879-05	0.3388713211	SLC16A3	0.0004207	-0.5243833877	SLC16A3	0.0004207	-0.5243833877	
CCR6	0.1919960	0.8962438812	RFXP51	5.1998-08	-0.4611824330	PPP2R5E	5.959-05	0.3382629	PPP2R5E	0.0004189	-0.4600758	[illegible]	0.0003989	0.8396679287	
CCR6	0.1919960	0.8962438812	LOC102803960	5.2198-08	-0.3364013573	CCL2	5.979-05	0.5132851891	CCL2	0.0004667	-1.8733353793	CCL2	0.0004667	-1.8733353793	
FAM129B	0.1920023	0.8388623278	PSMB	5.2998-08	-0.3373458268	BABPC2	6.139-05	0.3988629541	MTG2	0.0004838	-0.2393870342	MB21	0.03229	-0.1233705	
GLPR2	0.1920422	0.3988718	ZNF324P	5.3398-08	-0.4756361813	LOC102803947	6.169-05	-0.7158622174	SLC11L2	0.0004839	-0.3973918227	GNPDA	0.0002642	-0.3798867588	
BRPRA1	0.1920433	0.6370475672	APM2	5.3798-08	-0.4373963813	CSNK1E	6.179-05	0.4373963813	CSNK1E	0.0004863	-0.4373963813	SLC15A4P3	0.0002671	-0.6258867542	
ENO	0.1920542	0.6920231	ENO2	5.3818-08	-0.3788488811	UTS2R	6.189-05	-0.5222251813	CAnf22	0.0004573	-0.4249492933	ANAX2	0.0003631	-0.4139842854	
SRRA0054	0.1920918	0.3573183357	PRMT8	5.8978-08	-0.6213813624	SDS1	6.189-05	-0.6213813624	hs-PPM-1	0.0005132	-0.2364314271	EU	0.0003759	-0.5813343922	
ARHGEF38	0.1920945	0.3983833263	PDE4DIP	5.7038-08	-0.3968503135	CDSP1	6.189-05	0.6398457976	LRP12	0.0004523	-0.8972278273	TMEM168	0.0003912	-0.5213828613	
ARHGEF38	0.1920945	0.3983833263	PDE4DIP	5.7038-08	-0.3968503135	CDSP1	6.189-05	0.6398457976	LRP12	0.0004523	-0.8972278273	TMEM168	0.0003912	-0.5213828613	
UPK3A	0.1920960	0.6276842223	SLC6A15	5.9198-08	-0.3364013573	VPS	6.249-05	0.3364013573	ENPEP	0.0004576	-0.3364013573	CD109	0.0003979	-0.5173361127	
SERPINB1	0.1921337	0.6034201334	TST	6.3398-08	-0.6334054811	SRA01	6.319-05	-0.5384135368	CLC1	0.0005648	-0.6917742214	S100A2	0.0003989	-0.5356036858	
BPHD	0.1921337	0.7232182686	UPRM14-1	6.1198-08	-0.3767730936	RNF8	6.329-05	0.5132851891	hs-CCL22-3	0.0006206	-0.4988842221	HIST1H3B	0.0004041	-0.3966664074	
CARD8	0.1921326	0.4123968291	MAK	6.2698-08	-0.3882273321	RTL1	6.429-05	-0.5387539189	ARL6B	0.0006273	-0.3484547598	RNASE1	0.0004766	-0.6120917228	
TNFRSF25	0.1921916	0.3613122249	MYRIP2L6	6.4298-08	-0.6334067879	CCNL1	6.439-05	-0.6334067879	DNLZ	0.0006579	-0.7778122239	LIPM3	0.0007509	-0.5992024161	
CRNN2	0.1921647	0.8773864889	TMEM60	6.4668-08	-0.3922762422	PRRT3-AS1	6.669-05	-0.6668022337	ACTC1P20	0.0007231	-0.3342356939	DPYSL3	0.0008771	-0.3538232435	
RNS1	0.1921198	0.2731577572	SNN	6.6498-08	-0.4323539122	hs-CDH4-1	6.819-05	-0.5387539189	RNLRT1	0.0007237	-0.3938369921	RNA45SC	0.0003876	-0.2196265853	
RNS1	0.1921228	0.8932328292	CDC25B	6.6498-08	-0.3913818	PDCD6	6.839-05	-0.3988579966	TMEM11	0.0007412	-0.3373453172	PPAR-PGR72	0.0008693	-0.5473316897	
RNS1	0.1921228	0.8932328292	LOC102803951-1	6.8198-08	-0.3364013573	CDC25B	6.849-05	-0.3913818	CDC25B	0.0007412	-0.3373453172	CDC25B	0.0007412	-0.3373453172	
hs-BTG3-2	0.1921247	0.3332182685	CYP8B1	7.3398-08	-0.7384293767	SLC16A3	6.859-05	0.3388713211	CDC25B	0.0007412	-0.3373453172	hs-PGR72-2	0.0008693	-0.4988842213	
CCL2	0.1921943	1.1988711689	TOS1	8.3698-08	-0.3382267	USP28	6.869-05	0.6602021857	GBD	0.0009191	-0.8802763	ENV	0.00975	-0.7942715867	
HK3	0.1921938	1.8024612811	PTGS1	8.3998-08	-0.3812738234	SPAST	7.129-05	0.6602021857	PRR18B	0.0009595	-0.2264239966	LOC102887	0.0008808	-0.3575332896	
CHRNA6	0.1922211	0.3923271979	CDH23P1	8.6698-08	-0.3383452	EGAR	7.139-05	0.3988579	PRKAG2	0.0009609	-0.3983542696	ZAK	0.00982	-0.6998669971	
VCL	0.1922314	0.4233968898	PTGS1	8.8978-08	-0.3829635579	SHB2	7.139-05	0.6153218355	RTS4	0.0010235	-0.3983542	TPR1	0.00243	-0.6319217387	
ACCS	0.1922408	0.1198968813	SSUC9	1.0318-08	-0.4175729422	CDS	7.149-05	0.6713324623	CDS	0.0010175	-0.3988579	ATF2	0.0010269	-0.3383873	
ACCS	0.1922408	0.1198968813	SSUC9	1.0318-08	-0.4175729422	ATP1A1	7.169-05	0.3388713211	ATP1A1	0.0010175	-0.3388713211	ATP1A1	0.0010175	-0.3388713211	
EPT1	0.1922882	0.4918208758	PRZ	1.1298-08	-0.3367729	KIAA0101	7.179-05	0.6297596	KIAA0101	0.0011	-0.6297596	KIAA0101	0.0011	-0.6297596	
TJP2	0.1922884	1.6132518453	RPS26	1.1898-08	-0.7562364111	ZIB1	7.189-05	0.6303523928	SPHK1	0.0011666	-0.3379968655	HIST1H4B	0.0042909	-0.6110308652	
SPCS1	0.1922918	0.8968642423	RAB27B	1.2298-08	-0.4373813273	APOB	7.219-05	0.3988579	LPL	0.0012	-0.3988579	LPL	0.0012	-0.3988579	
RNS1	0.1922918	0.8968642423	RAB27B	1.2298-08	-0.4373813273	APOB	7.219-05	0.3388579	CD9	0.0012639	-0.3983542598	HIST1H4F	0.0043779	-0.5734587959	
ZNMR7	0.1922946	0.6407432421	LOC102103	1.2718-08	-0.3882638327	ANKRD33B	7.239-05	-0.4294739508	DSP1	0.0012732	-0.4294739508	DPP3	0.0043861	-0.1213318689	
DOLDBGB	0.1923758	0.6509866677	HLA-DQA2	1.3098-08	-0.3663779791	HNRP2	7.409-05	0.3173318182	RNA13-18	0.0013138	-0.3303909811	ADRP78	0.0043255	-0.3398883229	
CCL2	0.1923758	0.8932328292	CCL2	1.3198-08	-0.3367729	CCL2	7.429-05	0.3173318182	CCL2	0.0013138	-0.3303909811	CCL2	0.0013138	-0.3303909811	
DNA16	0.1923828	0.8123408303	CCL2	1.3198-08	-0.3367729	CCL2	7.429-05	0.3173318182	CCL2	0.0013138	-0.3303909811	PUM	0.0043889	-0.6473677141	
LUM61	0.1923824	0.8773258422	ACMBP	1.378-08	-0.8973566147	HSH	7.489-05	0.3348648439	PPRA0N11	0.0013234	-0.3393174338	MTPT1	0.0043883	-0.3365243658	
HDPR5	0.1923824	0.7988011223	CTAP3B7	1.4198-08	-0.4318438999	TTC38B	7.499-05	0.3388629	C20orf38	0.0013237	-0.3388629	SFL	0.0043758	-0.3218247751	
PPR01	0.1923833	0.3844223966	DMPK	1.4318-08	-0.5247618576	SLOC_G_203486	7.599-05	0.3988629	TNSF1B	0.0013699	-0.3843243	CRIL2	0.0047037	-0.3301754859	
PPR1B	0.1923824	0.8968642423	TNFRSF1A	1.4398-08	-0.4318438299	LPHN3	7.619-05	0.4318438299	LPHN3	0.0013699	-0.4318438299	TNFAIP8	0.0047314	-0.7797678021	
TPPP3	0.1923894	0.8968642423	LOC102803969	1.4298-08	-0.4318432213	CDP6	7.679-05	0.3388629	PSRC	0.0014026	-0.6797678	CCDC18P2	0.0048286	-0.4318332153	
RGS21	0.1923795	0.2184612017	ATP5C1L2	1.5498-08	-0.3367729	TPX2	7.739-05	0.3367729	TPX2	0.0014171	-0.3367729	SLC3A2	0.0048286	-0.3367729	
RGS21	0.1923795	0.2184612017	ATP5C1L2	1.5498-08	-0.3367729	CDC20	7.739-05	0.4318432168	CDC20	0.0014171	-0.4318432168	RTN	0.0048966	-0.5182426	
CFD	0.1923811	0.2184612017	ATP5C1L2	1.5498-08	-0.3367729	CDC20	7.739-05	0.4318432168	CDC20	0.0014171	-0.4318432168	CDC20	0.0014171	-0.4318432168	
CFD	0.1923811	0.2184612017	ATP5C1L2	1.5498-08	-0.3367729	CDC20	7.739-05	0.4318432168	CDC20	0.0014171	-0.4318432168	CDC20	0.0014171	-0.4318432168	
PPP1R3A	0.1923824	0.1198968813	ATP5C1L2	1.5498-08	-0.3367729	CDC20	7.739-05	0.4318432168	CDC20	0.0014171	-0.4318432168	CDC20	0.0014171	-0.4318432168	
CCL2	0.1923824	1

GATA3	0.0057596	0.34184903
RIC8B	0.0037676	0.4782019
ZNF91	0.0037635	0.29016986
CPED1	0.0037635	0.39031986
PCYT2	0.003757	0.37981857
ALDH	0.0037573	0.29669542
SJ3A	0.003752	0.68239076
NUP213	0.0037505	0.33307366
tcc-TMEM189-1	0.0037501	0.51626602
tcc-RNTRC-1	0.0036858	0.3707321
CDC71	0.0036842	0.34070693
ZNF280D	0.0036836	0.37181353
DUPD	0.0036118	0.45731022
LOC101057679	0.0035347	0.62421136
PPIG	0.0035325	0.42369314
VRAP	0.0034215	0.41723156
NDS1	0.0033825	0.37718795
TAF1D	0.0033671	0.3919731211
LOC100132062	0.0033657	0.29016986
EMAG1	0.00351	0.3481182
SRSF2	0.0035253	0.35480116
HYLS1	0.0035064	0.31327386
TRK1	0.0035047	0.39332648
DDX23	0.0035047	0.31367479
PSG10	0.0034629	0.3948294
LOC100129451	0.0034627	0.31327386
S100B4	0.0034572	0.41181532
DENND3	0.0034577	0.68807528
FAM160A1	0.0034567	0.39483189
SNC8	0.0034561	0.69427637
RRA5	0.0033164	0.53327779
NACA2	0.0033161	0.3423296
ZNAT1	0.0033158	0.33962386
TAD8P	0.0032953	0.42087196
LOC100132215	0.0032944	0.39483189
EFHA1	0.0032322	0.47230567
HPSE2	0.0032231	0.3624232
RYYL	0.0032165	0.60651629
LINC01696	0.0032139	0.43667652
ECI2	0.0032139	0.6707362
AUF1D	0.0032138	0.36243969
ZNF91	0.0032138	0.29016986
SIC1A3	0.0031922	0.53285856
BCAS2	0.0031922	0.54727585
NPC2	0.0031915	0.73871361
UTP18	0.0031655	0.37976429
tcc-PFL1-6	0.0031601	0.60651602
PPT1	0.0031568	0.2928974
ZNF280B	0.0031539	0.37181353
SAA8	0.0031299	0.53283463
NR1D2	0.0031066	0.52624996
CCDC132	0.0031066	0.53283529
PRD1	0.0030773	0.48863338
XLOC_C_0042389	0.0031314	0.79873506
SJ27B6	0.0031314	0.36363973
ISLL1	0.0031293	0.53283138
tcc-BTN3B2-1	0.0031315	0.60802363
PPP1R	0.0031277	0.36363973
PHLDA1	0.0031277	0.3611896
EEFB	0.0031064	0.62321663
ADH	0.0031036	0.53881143
WAR6	0.0031002	0.60886771
ARHGEF4	0.0030853	0.53855979
PRX3	0.0030102	0.60233763
tcc-CCDC85-1	0.0030102	0.60802363
PAK2	0.0030051	0.53283363
DSAP1	0.0030013	0.69864677
tcc-RD-1	0.0030002	0.53881663
tcc-CS-1	0.0030000	0.53283663
TMB3	0.0030000	0.43323998
tcc-GIR-1	0.0030000	0.39621629
CCDC71	0.0030000	0.53283663
CTN	0.0030000	0.53881223
DAB1A	0.0030000	0.57526789
ZNF420	0.0030000	0.47232276
HDGF	0.0029139	0.57437693
SNORD102	0.0029107	0.38633973
LOC101050428	0.003107	0.61068863
FCGBP	0.0030002	0.61452773
tcc-SELCP2-1	0.0029135	0.60886363
CCDC24	0.0029135	0.53283663
CCDC26	0.0029079	0.53287363
CORO6	0.0029064	0.61737875
ARL8B	0.003369	0.60886329
NCR3LG1	0.0029007	0.3862364
tcc-RUNX3-1	0.0030071	0.61918248
PNRC1	0.0029113	0.3432025
ZNF280C	0.0029061	0.37181353
CYSB	0.0029041	0.69861225
TMPO6	0.0029026	0.39483481
DDX54-AS1	0.0027999	0.61942172
RGS2	0.0027036	0.35143271
RNF19A4D	0.0027028	0.61417181
PPCDC	0.0027076	0.39261463
LINC01060	0.0027054	0.61918248
LINC00965	0.0027053	0.61918248
SYT13	0.0027053	0.69867363
TTC23	0.0027028	0.67962362
ZNF396	0.0026914	0.53071962
BTL4	0.0026913	0.46763276
RTMP32	0.0026824	0.53962673
SCP5	0.0026824	0.50831931
LYS1	0.0026401	0.36233618
ZNF91	0.0026401	0.29016986
ECE	0.0026342	0.53257757
ALDH3AP	0.0026076	0.39649241
TUBA8A	0.0026027	0.55886862
FBUN5	0.0025935	0.4876258
LOC101927682	0.0025921	0.60550357
RNU12	0.0025417	0.41930231
tcc-CDC20B-1	0.0025127	0.39831752
tcc-CDC20B-2	0.0025127	0.39831752
TMPRSS6	0.0025107	0.39183586
EIF1	0.0023936	0.33361796
LOC101927598	0.0023023	0.55886923
CTSW	0.0022336	0.42561725
TTC3B	0.0022336	0.39687963
LINC01551	0.0022336	0.39687963
LSM8P1	0.0022300	0.35787568
ABHD6	0.0022077	0.41070276
tcc-RPGD2-1	0.0021928	0.3861428
tcc-CHTF8-2	0.0021906	0.72071964
tcc-AC008391.1	0.0021814	1.00317329
SDS3	0.0021294	0.33996965
SNORA49A	0.0021011	0.42233637
TEDP1	0.0021016	0.41791391
LINC01551	0.0021007	0.39687963
ADTRP	0.0021007	0.39661265
RNF126	0.0021817	0.3311861
RYLP	0.0021074	0.43561347
ECN1L2	0.0021408	0.33373597
LINC00961	0.0020922	0.57559362
PIG9	0.0020855	0.39077569
LINC01551	0.0020855	0.39687963
DYAP1	0.0020836	0.39649263
RPA4	0.0021779	1.02184624
CHI3L	0.0027599	0.51877169
LYN6	0.0027922	0.5407648
LOC101101918	0.0033675	0.69017639
LOC101071673	0.0039844	0.3763126
TAS2R	0.0039844	0.39687963
NAA38	0.0039322	0.3263273
XLOC_C_001193	0.0039072	0.53162769
NBDY	0.0039225	0.69882218
NCF4	0.0039029	0.39661263
TIA	0.0038819	0.62368865
NPR7	0.0037479	0.39883361
LOC101927 [C-2014B1]	0.0037479	0.39883361
RPTOR	0.0033356	0.42268672
PPP3R1A	0.0037753	0.69883363
SNORD67C	0.0034836	0.29769979
TMF1	0.0034207	0.37561322
GSCAM	0.0034138	0.42233998
SDF2L1	0.0034764	0.34233436
PYCR1	0.0033792	0.69883363
PCTP	0.0033790	0.39883363
ZNF91	0.0033739	0.29016986
FABP5	0.0033738	0.62233953
SNORD31	0.0036814	0.3621452
tcc-CADPS-1	0.0038613	0.45483653
RPPL18	0.0038899	0.3763876
ATP6V1A	0.0037117	0.39676878
PYCARD	0.0037564	0.39423363
LINC01551	0.0037564	0.39687963
PTAFR	0.0037535	0.3861476
UBE2	0.0038931	0.57983363
TUBB2A	0.0039037	0.36213429
FBXO2	0.00402	0.47963473
HSPH1	0.0042236	0.41033876
DCUN1D	0.0043037	0.41039316
LOC101101918	0.0043036	0.69017639
tcc-TRPM2-1	0.0042242	0.39231432
BACE1-AS	0.0043835	0.51768229
CD36	0.0043835	0.39883363
C1orf34	0.0043834	0.3863428
EIF	0.0043835	0.29424829
LOC101102090	0.0043183	0.69883668
SNORD26	0.0040771	0.53883362
IGSF22	0.0040873	0.33037683
LOC101928741	0.0040873	0.39883363
tcc-TBX21	0.0039922	0.4863722
HLA-DRB4	0.0039913	0.57423931
HSBP1	0.0039842	0.51257377
FOS12	0.0039843	0.39883363
NAPA	0.003876	0.33333736
TDCD11	0.0051122	0.34037533
LOC100128125	0.0051003	0.39883363
tcc-SNX9-1	0.0051003	0.39183189
SLC7A6	0.0052291	0.45983229
[illegible]	0.0053679	0.42723726
PPP3R1AB	0.0053535	0.33962386
tcc-OPRD1-2	0.0053158	0.45183262
NAGA	0.0053316	0.39833019
LOC101927638	0.0054027	0.39883363
PTCD2	0.0054027	0.42268656
RHBA-AS1	0.0056016	0.3692629
EIF2S	0.0056686	0.39427729
SNORD14	0.005573	0.69423168
SNORD110	0.005717	0.39831261
CHMP4	0.0057563	0.3973629
DNAJC1	0.0057621	0.3797364
LOC101928413	0.0057996	0.69372021
LOC101101918	0.0058027	0.69017639
ARHC	0.0058986	0.23967751
HLA-DPB1	0.0060823	0.47437867
CD302	0.0061213	0.3863752
LOC101927132	0.0062793	0.3797628
CTSD7	0.006622	0.42213938
LSC1	0.0062216	0.40983216
CD1D	0.0064171	0.39883363
MORN1	0.0064171	0.33283486
LINC01678	0.0066672	0.47823787
tcc-SIPA1-2	0.0066752	0.73331222
SDSAC1-TP	0.0066423	0.39725887
ACTR2	0.0068	0.72383027
DNAJB12	0.0069176	0.31022810
ZNF91	0.0069176	0.29016986
tcc-CDL12-1	0.0071505	0.48363169
C19orf63	0.0071176	0.33763733
HLA-DRA	0.0074832	0.39383486
CLEC1	0.0078669	0.39396343
SRSF4	0.007587	0.41313737
tcc-ZC3H12D-2	0.0076036	0.42969037
RBB3A	0.0077339	0.3798189
CLEC7A	0.0077336	0.39883363
LOC101101918	0.0077336	0.69017639
PIK3C2	0.0078026	0.33275266
IDI1	0.0078677	0.33733662
RNF150	0.0079766	0.41137637
C1orf61	0.0082398	0.62336861
tcc-PRPF8-2	0.0083754	0.51383762
tcc-RNPS-1	0.0083718	0.61868772
CCDC6	0.0084177	0.39883363
SRAK12	0.0084642	0.29913798
JAGN1P	0.0085725	0.53071363
HERC2P9	0.0084671	0.42721362
TRPM2AS	0.0086025	0.27391779
TSPAN13	0.0086828	0.3475927
LOC361322	0.0086766	0.39883725
TMEM14A	0.0086766	0.39883363
TMPRSS4	0.0086622	0.51972364
SNORD49B	0.0087011	0.42863421
TRAF4	0.014126	0.33173429
LOC101880298	0.0132802	0.61681649
tcc-RFXR1-1	0.0133111	0.39437963
tcc-SNX18-1	0.0135931	0.40855727
CD70	0.0135198	0.39763861
TFAB	0.0137154	0.40323572
PDCD1	0.0137154	0.39883363
PDPN	0.0138986	0.39429951
GADD45G	0.0139851	0.42369286
HSPA1B	0.0141537	0.62243362
tcc-RNPC3C-2	0.0139697	0.59826416
HSPE1	0.0139211	0.33883033
C21orf91	0.0139170	0.33183756
LINC01551	0.0139170	0.39687963
tcc-PP1-2398522	0.0141938	0.33987729
ZNF638	0.0142863	0.39363436
PPP6R	0.0142865	0.39863211
XLOC_C_209181	0.0150158	0.69373471
RNF11	0.0150732	0.17396622
PICD	0.0138605	0.49337959
ZNF91	0.0137963	0.29016986
tcc-GPR6-2	0.0137963	0.39883179
FCGR1B	0.0138741	0.57939164
GCLC	0.0139264	0.3793418
LOC101724689	0.0140771	0.47767969
tcc-OD1X-2	0.014953	0.46376787
PELAS	0.014076	0.39883675
PPAN-P2RY11	0.0142808	0.37969179
ZNF20	0.0142826	0.39883363
ZNF91	0.0142826	0.29016986
ARRA1	0.0143463	0.41233971
CCDC71L	0.0143739	0.43863779
tcc-NTAC3-1-6	0.0143972	0.33863152
RNF7-AS1	0.014076	0.3723180
CDC22P2	0.0144267	0.69217681
CD22A	0.0178638	0.4863892
LOC100	0.0178638	0.39883363
PLTP	0.0179121	0.69283016
CALS1	0.0181628	0.42328212
tcc-RPPH1-1	0.0181631	0.37969723
SERPINF1	0.0183524	0.39183986
FAM47E	0.0184822	0.43363475
tcc-RFC3-2	0.0184221	0.36287976
RUNX1	0.0184221	0.39883363
RORC	0.0184628	0.33883763
DEFB1	0.0188899	0.39783036
C1orf43	0.0191837	0.39863222
IFN3	0.0191837	0.42969647
SCNN1C	0.0197251	0.57153973
KCNS3	0.0213613	0.53413473
OVS1	0.0213731	0.69863363
PELP1	0.0213826	0.39883363
ZNF91	0.0213826	0.29016986
ECTS1J	0.0217377	0.39783036
tcc-ARHGC1-1	0.0219226	0.39863363
IER	0.0219626	0.53183273
RC3G	0.0224613	0.31839754
tcc-RNX28-1	0.0226887	0.63863761
RF3	0.0240034	0.42243757
LINC01108	0.0241837	0.39883363
LPR5A	0.0241837	0.62369117
SCGC-681	0.0243768	0.63243718
ASAH1	0.0244776	0.42363918
ENKUR	0.0256686	0.43471758
tcc-CXCL2-1	0.0258317	0.45426757
HLA-DPB	0.027111	0.57183202
PRR5	0.0274	0.39883363
PKD2	0.0278362	0.33723236
JDP2	0.0280964	0.47283526
SPHK1	0.0291012	0.53863112
HLA-DRB1	0.0294178	0.69863363
tcc-OPRD1-1	0.0298366	0.4313867
CENPK	0.0302396	0.39369663
LOC101928-1	0.0304	0.39883363
KRT78	0.0306612	0.39863316
HLA-DPA1	0.0310857	0.42363235
HLA-DRA	0.0314376	0.39239925
TAL2G1	0.0315351	0.39183597
CF8	0.0315752	0.53263967

APOBEC3B	0.0342259	-0.702879862
BPY2	0.0367665	-0.673727223
ZNF91	0.0371504	-0.671337333
CAPG	0.0374024	-0.669713288
lncRNA DC0-2	0.037554	-0.667261921
AP1S3	0.0382996	-0.654767963
CD41	0.0388612	-0.632924368
PIR	0.0394615	-0.619823961
CXCL9	0.0400003	-0.608259158
CASP5	0.0403201	-0.59918268
ZNF697	0.0403271	-0.59902214
ZNF91	0.0403271	-0.59902214
NUP93	0.0410179	-0.583837158
SLC16A1	0.0419696	-0.567939823
lncRNA DX3PQ2	0.0421232	-0.565233012
TENM3-1	0.0421937	-0.563923582
FAM189B	0.0423616	-0.560936916
BIC1b	0.0425195	-0.558078816
ZNF91	0.0426423	-0.555966188
ANPEP	0.0430423	-0.549017788
FCGR1	0.0435117	-0.541065856
CXCL10	0.0435168	-0.540981622
GSTO1	0.0436972	-0.538011697
DNAJA2	0.04365	-0.537939771
AKT62	0.045837	-0.518962323