

ProbeID	Corrected p-value	regulation	FCAbsolute	Symbol	Entrez_Gene_ID	ILMN_Gene	RefSeq_ID	Accession	Chromosome
1300239	0.0035516	down	2.0781536	TRIM44	54765	TRIM44	NM_017583.3	NM_017583.3	chr11
7150059	0.001737436	down	1.7513309	STAMBPL1	57559	STAMBPL1	NM_020799.2	NM_020799.2	chr10
4230136	0.001783732	up	2.0996356	TCP1	6950	TCP1	NM_030752.2	NM_030752.2	chr6
6660333	0.003331476	up	1.4758108	ORC1L	4998	ORC1L	NM_004153.2	NM_004153.2	chr1
2480719	0.013139149	down	1.4571478	NSMCE2	286053	NSMCE2	NM_173685.1	NM_173685.1	chr8
50475	0.011242293	down	1.4932846	SLU7	10569	SLU7	NM_006425.4	NM_006425.4	chr5
4900209	0.010667034	down	1.2390167	TIMM9	26520	TIMM9	NM_012460.2	NM_012460.2	chr14
3800577	0.002234773	up	1.5176736	LOC642661	642661	LOC642661	XR_016132.1	XR_016132.1	chr14
1340026	1.20E-04	up	1.9489753	TMEM144	55314	TMEM144	NM_018342.3	NM_018342.3	chr4
770605	0.001832142	up	1.5752568	ZNF280D	54816	ZNF280D	NM_001002844.1	NM_001002844.1	chr15
10286	1.88E-07	down	3.5683398	ADAMTSL4	54507	ADAMTSL4	NM_025008.3	NM_025008.3	chr1
1770142	0.022996081	up	1.4343537	DNAJC2	27000	DNAJC2	NM_014377.1	NM_014377.1	chr7
6900440	0.005349183	down	2.1293988	SLC25A1	6576	SLC25A1	NM_005984.1	NM_005984.1	chr22
2900224	0.001258248	up	1.5011165	ENTPD4	9583	ENTPD4	NM_004901.2	NM_004901.2	chr8
2850433	0.011192836	down	1.8431003	SPSB3	90864	SPSB3	NM_080861.3	NM_080861.3	chr16
1170170	0.022921927	down	5.57056	STC2	8614	STC2	NM_003714.2	NM_003714.2	chr5
2510253	0.021015406	down	2.9208434	C10orf35	219738	C10orf35	NM_145306.2	NM_145306.2	chr10
990162	2.47E-06	up	1.7167265	C12orf60	144608	C12orf60	NM_175874.2	NM_175874.2	chr12
2340605	7.66E-06	up	1.7999855	C12orf60	144608	C12orf60	NM_175874.2	NM_175874.2	chr12
4120403	0.027695278	up	1.6005367	WDR61	80349	WDR61	NM_025234.1	NM_025234.1	chr15
4280040	0.016384482	up	1.6432122			HS.555181		BM458075	chr2
3420615	0.040687513	up	1.537169	DLEU2L	79469	DLEU2L	NR_002771.1	NR_002771.1	chr1
3460553	0.026334995	up	1.3810396	LOC440055	440055	LOC440055	XM_495885.3	XM_495885.3	chr11
3930132	0.01412504	up	1.1838132	TUBA3D	113457	TUBA3D	NM_080386.1	NM_080386.1	chr2
870176	0.048217457	down	1.8228663	TFG	10342	TFG	NM_001007565.1	NM_001007565.1	chr3
5420452	0.008640253	down	2.2939384	OSR2	116039	OSR2	XM_001126824.1	XM_001126824.1	chr12
380327	0.037402585	up	1.385103	LOC730820	730820	LOC730820	XM_001127763.1	XM_001127763.1	chr17
6200390	0.009525343	up	1.611493	PRIM1	5557	PRIM1	NM_000946.2	NM_000946.2	chrX
4830301	5.90E-04	up	1.2409207	KAT2A	2648	KAT2A	NM_021078.2	NM_021078.2	chr12
6450372	0.005909001	up	1.6312089	PDHA1	5160	PDHA1	NM_000284.1	NM_000284.1	chr17
6420465	0.022537122	down	2.106398	GABARAPL1	23710	GABARAPL1	NM_031412.2	NM_031412.2	chrX
7200215	0.007010831	down	1.801001	ENTPD6	955	ENTPD6	NM_001247.1	NM_001247.1	chr12
2630692	0.012828085	down	1.5385033	ACACA	31	ACACA	NM_198839.1	NM_198839.1	chr20
6270706	0.015394974	down	1.1938777	SMG7	9887	SMG7	NM_173156.1	NM_173156.1	chr17
2060528	0.03461564	down	2.0098262	LOC649604	649604	LOC649604	XM_945148.1	XM_945148.1	chr1
380523	0.002830641	down	1.9769913	PDLIM5	10611	PDLIM5	NM_001011515.1	NM_001011515.1	chr4
2760332	3.54E-06	up	1.3886993	SCARNA10	692148	SCARNA10	NR_004387.1	NR_004387.1	chr12
160390	0.025460532	up	1.2255586	NCN	23154	NCN	NM_001014839.1	NM_001014839.1	chr1
4390703	0.042576425	down	2.0622184	PTPN1	5770	PTPN1	NM_002827.2	NM_002827.2	chr20
7550592	0.020855298	up	1.1076521	LOC644237	644237	LOC644237	XR_039184.1	XR_039184.1	chr1
4050382	0.017714243	up	1.1536589	CCDC109A	90550	CCDC109A	NM_138357.1	NM_138357.1	chr10
5700279	0.038248483	up	1.1463743	PRIM2	5558	PRIM2	NM_000947.2	NM_000947.2	chr6
5820753	0.021878133	down	1.5752256	RBCK1	10616	RBCK1	NM_006462.3	NM_006462.3	chr6
610563	1.27E-04	up	1.857613	HOXA6	3203	HOXA6	NM_024014.2	NM_024014.2	chr7
5490646	0.01269581	up	1.5203112	DMAP1	55929	DMAP1	NM_001034023.1	NM_001034023.1	chr1
2640358	0.020357616	up	1.387416	LOC730288	730288	LOC730288	XM_001126276.1	XM_001126276.1	chr7

2900692	0.00177641	up	GSG2	83903	GSG2	NM_031965.2	chr17
1820274	6.23E-04	up	HERC1	8925	HERC1	NM_003922.3	chr15
4200110	1.50E-04	up	GTF3C6	112495	GTF3C6	NM_138408.2	chr6
4390661	0.04985354	up	DDX51	317781	DDX51	NM_175066.2	chr12
1580128	2.23E-04	down	GJA3	2700	GJA3	NM_021954.3	chr13
4730369	0.004314099	down	BTG1	694	BTG1	NM_001731.1	chr12
5080632	0.016355978	up	FBXO11	80204	FBXO11	NM_018693.2	chr2
3780465	0.002389324	up	SMARCA5	8467	SMARCA5	NM_003601.2	chr4
1990630	0.004217077	down	TRIB3	57761	TRIB3	NM_021158.3	chr20
3060192	0.042158093	up	GINS3	64785	GINS3	NM_022770.2	chr16
1010500	0.044609644	down	UGP2	7360	UGP2	NM_006759.3	chr2
160291	0.043666434	down	MVP	9961	MVP	NM_017458.2	chr16
5870133	0.03189681	down	MLF1	4291	MLF1	NM_022443.2	chr3
4560228	0.006087704	up	SNORA1	677792	SNORA1	NR_003026.1	chr11
4520605	0.010696572	down	SMNDC1	10285	SMNDC1	NM_005871.2	chr10
4880500	0.002629238	up	SYNCRIP	10492	SYNCRIP	NM_006372.3	chr6
4780133	0.001274529	down	GBA	2629	GBA	NM_001005742.1	chr1
580048	0.001745973	down	GBA	2629	GBA	NM_001005742.1	chr1
4070136	0.029296696	down	PIGC	5279	PIGC	NM_153747.1	chr1
580601	0.008981886	down	PIGC	5279	PIGC	NM_153747.1	chr1
6250390	0.00528027	up	TSR2	90121	TSR2	NM_058163.1	chrX
5050113	0.022688745	up	LIG1	3978	LIG1	NM_000234.1	chr19
6900750	0.032365676	up	HDAC2	3066	HDAC2	NM_001527.2	chr6
70528	0.001783732	up	BBS7	55212	BBS7	NM_176824.1	chr4
2230112	5.00E-06	up	BBS7	55212	BBS7	NM_176824.1	chr4
1690392	6.14E-05	up	HIST1H2BH	8345	HIST1H2BH	NM_003524.2	chr6
110167	0.048484225	down	TRAM1	23471	TRAM1	NM_014294.4	chr8
510025	0.00333742	down	SMC2	10592	SMC2	NM_001042550.1	chr9
2650494	0.045072064	up	SMC2	10592	SMC2	NM_001042550.1	chr9
2600025	5.65E-04	up	PSMD14	10213	PSMD14	NM_005805.3	chr2
1090327	0.042311464	up	MKI67IP	84365	MKI67IP	NM_032390.3	chr2
3120717	0.04536659	down	RPS13	6207	RPS13	NM_001017.2	chr11
2710746	5.45E-05	down	BCAR1	9564	BCAR1	NM_014567.2	chr16
7560037	1.58E-04	down	KIAA1949	170954	KIAA1949	NM_133471.1	chr6
1010367	0.004535425	down	CSTF3	1479	CSTF3	NM_001033506.1	chr11
5260523	6.98E-04	up	LOC646956	646956	LOC646956	XR_017376.2	chr15
3140543	0.004320692	down	ZMAT3	64393	ZMAT3	NM_152240.1	chr3
6110014	0.035290867	up	SFRS13A	10772	SFRS13A	NM_054016.1	chr1
5310300	0.003281377	up	SFRS13A	10772	SFRS13A	NM_054016.1	chr1
2340528	0.011453739	up	C15orf23	90417	C15orf23	NM_032286.1	chr15
3400468	0.039250072	up	RAP1A	5906	RAP1A	NM_001010935.1	chr1
5560180	0.022157682	down	SEC31A	22872	SEC31A	NM_014933.2	chr4
7380270	0.015451876	up	MRPS35	60488	MRPS35	NM_021821.2	chr12
2370730	6.47E-04	up	HSP90AB4P	664618	HSP90AB4P	NR_002927.1	chr15
4860431	0.014981779	down	NBPF14	25832	NBPF14	NM_015383.1	chr1
7040717	0.004621124	up	AASDHPPT	60496	AASDHPPT	NM_015423.2	chr11
6060767	0.008381861	up	AASDHPPT	60496	AASDHPPT	NM_015423.2	chr11
6420017	0.001294309	up	SIN3A	25942	SIN3A	NM_015477.1	chr15
1410735	0.012052623	up	ZSCAN5A	79149	ZSCAN5A	NM_024303.1	chr19
2650349	4.95E-04	up	C19orf48	84798	C19orf48	NM_199250.1	chr19
4010445	0.003205361	up	SFRS2IP	9169	SFRS2IP	NM_004719.2	chr12

4850711	0.001226589	up	1.5603682	SNORA57	692158	SNORA57	NR_004390.1	chr11
6450605	0.037160113	down	1.211556	DDOST	1650	DDOST	NM_005216.4	chr1
3890709	8.32E-04	up	2.0241685	SMAD7	4092	SMAD7	NM_005904.2	chr18
4220767	2.48E-04	up	2.01293	SMAD7	4092	SMAD7	NM_005904.2	chr18
3180288	0.014395513	down	2.11835	C11orf17	56672	C11orf17	NM_020642.3	chr11
2230681	0.03679044	up	1.4785398	CCDC5	115106	CCDC5	NM_138443.2	chr18
3060059	1.17E-05	up	1.3707758	TAF1A	9015	TAF1A	NM_005681.2	chr1
430315	0.012282465	up	1.3428241	TUBGCP5	114791	TUBGCP5	NM_052903.3	chr17
1440072	0.019850649	up	1.9205288	SNORD65	692106	SNORD65	NR_003054.1	chr7
6960131	0.004272274	down	1.7327213	CYTH3	9265	CYTH3	NM_004227.3	chr7
2750603	3.95E-05	down	2.3539214	CYTH3	9265	CYTH3	NM_004227.3	chr7
5550746	0.04254396	up	1.2665235	TIRAP	114609	TIRAP	NM_052887.2	chr11
150131	0.003879209	up	1.4923105	UXT	8409	UXT	NM_004182.2	chrX
3800307	1.15E-04	up	1.7155954	SHKBP1	92799	SHKBP1	NM_138392.2	chr19
2360519	0.021284292	down	2.378983	DPM1	8813	DPM1	NM_003859.1	chr20
5670626	0.030330129	down	2.4030194	DPM1	8813	DPM1	NM_003859.1	chr20
6130193	0.015443859	up	1.4925133	TMEM109	79073	TMEM109	NM_024092.1	chr11
6560025	0.002125135	up	1.7142451	HS.567392		HS.567392	BX537622	chr9
2630561	0.022200229	up	1.4746649	RPL6	6128	RPL6	NM_001024662.1	chr12
2320279	0.0018041	up	1.4391024	ZC3H18	124245	ZC3H18	NM_144604.2	chr16
7650347	0.001017161	down	1.3909105	CHMP5	51510	CHMP5	NM_016410.3	chr9
1410064	0.001885558	up	1.4854195	PMS2L2	5380	PMS2L2	NR_003614.1	chr7
2650762	0.038248483	up	3.6030004	ITM2C	81618	ITM2C	NM_001012516.1	chr2
7100711	0.049522374	down	1.1488684	CALM2	805	CALM2	NM_001743.3	chr2
5290403	2.14E-04	up	1.4749956	WDR59	79726	WDR59	NM_030581.3	chr16
1170154	3.99E-04	up	1.3217806	ZNF3	7551	ZNF3	NM_032924.3	chr7
5550619	0.00352523	up	1.2822509	ADPGK	83440	ADPGK	NM_031284.3	chr15
2970754	6.53E-04	up	1.3722168	HAUS8	93323	HAUS8	NM_033417.1	chr19
650307	0.002074258	up	1.4977148	HAUS8	93323	HAUS8	NM_033417.1	chr19
6280674	0.00611421	up	1.3262407	HAUS8	93323	HAUS8	NM_033417.1	chr19
1430047	0.01753954	up	1.4261491	APEX2	27301	APEX2	NM_014481.2	chrX
7400594	0.009914806	up	1.3537167	C14orf82	145438	C14orf82	NM_001111112.1	chr4
6220021	0.032664616	up	1.1325315	UBE2K	3093	UBE2K	NM_001111112.1	chr4
1570092	1.22E-04	up	2.6243613	TUBB6	84617	TUBB6	NM_001111112.1	chr4
2650020	0.022549698	down	3.4773264	PWWP2B	170394	PWWP2B	NM_138499.3	chr10
1470187	0.00987886	up	1.7394795	ZNF227	7770	ZNF227	NM_182490.1	chr19
4200626	0.038477063	up	1.4074533	TAF12	6883	TAF12	NM_005644.2	chr1
3710592	0.03516685	up	1.2150327	ZFP1	162239	ZFP1	NM_153688.1	chr16
1260014	0.02920174	up	1.9216772	HS.14555		HS.14555	AK025166	chr10
5080280	0.004389789	up	3.7972403	SEMA4B	10509	SEMA4B	NM_198925.1	chr15
6900086	0.015465668	up	3.1373062	ADAMTS1	9510	ADAMTS1	NM_006988.3	chr21
6620598	0.001177733	up	1.3805959	ASL	435	ASL	NM_001024943.1	chr7
3420719	1.48E-04	down	1.4254589	GTF2H1	2965	GTF2H1	NM_005316.2	chr11
6280019	0.02799236	down	1.2431012	NPHP4	261734	NPHP4	NM_015102.2	chr1
5810605	0.043853927	down	1.0491675	CCNI	10983	CCNI	NM_006835.2	chr4
2070192	0.01606538	up	1.4532971	LOC100133473	100133473	LOC100133473	NM_001713795.1	chr4
1580427	0.033791475	down	1.3469281	THEM2	55856	THEM2	NM_018473.2	chr6
4230672	0.030539308	up	2.6267042	LOC653496	653496	LOC653496	NM_930236.1	chr1
1440273	0.03127751	up	1.3191156	C21orf45	54069	C21orf45	NM_018944.2	chr21
160593	9.23E-05	up	1.5887561	C21orf45	54069	C21orf45	NM_018944.2	chr21
670202	0.002323332	down	1.4966755	SESTD1	91404	SESTD1	NM_178123.3	chr2

4010470	0.023309134	down	1.3589122	CENPBD1	92806	CENPBD1	NM_145039.2	chr16
240242	0.016080145	up	1.6038431	TUBGCP4	27229	TUBGCP4	NM_014444.2	chr15
670072	8.33E-04	up	1.2753547	EWSR1	2130	EWSR1	NM_005243.2	chr22
4280020	0.003736438	up	1.5086218	EIF3J	8669	EIF3J	NM_003758.2	chr15
1340092	0.01917141	down	1.5255989	RALY	22913	RALY	NM_007367.2	chr20
7200333	0.001590377	down	1.5416094	RALY	22913	RALY	NM_007367.2	chr20
1230220	0.003710683	up	1.2936668	LOC729466	729466	LOC729466	XR_015916.1	chr11
7570537	0.004221437	up	1.2484438	SLAH1	6477	SLAH1	NM_001006610.1	chr16
2850435	8.33E-04	up	1.2803437	SLAH1	6477	SLAH1	NM_001006610.1	chr16
4120376	0.004750231	up	1.3418504	PMS2L3	5387	PMS2L3	NM_001003686.1	chr7
4780414	0.020971311	up	1.4153719	RPL32	6161	RPL32	NM_001007073.1	chr3
2060091	0.022671893	down	2.1614857	DAG1	1605	DAG1	NM_004393.2	chr3
6760209	1.66E-04	up	1.3556061	BCLAF1	9774	BCLAF1	NM_001077440.1	chr6
240711	0.005511906	up	1.3272572	MIR30B	407030	MIR30B	NR_029666.1	chrX
1770592	0.004198376	up	1.4908679	RPGR	6103	RPGR	NM_001023582.1	chr1
7160274	0.008241256	up	1.5664294	TXNDC12	51060	TXNDC12	NM_015913.2	chr22
3520475	0.001111286	down	1.4723767	YDJC	150223	YDJC	NM_001017964.1	chr2
1070692	0.004586111	up	1.7356468	DDX51	317781	DDX51	NM_175066.3	chr12
1770435	0.02804307	up	1.1225501	BCOR	54880	BCOR	NM_017745.4	chrX
150070	2.37E-05	up	1.5233396	WDR33	55339	WDR33	NM_001006623.1	chr2
1450537	0.01693565	up	1.2022363	UBXN4	23190	UBXN4	NM_014607.3	chr2
4760523	0.042760983	up	1.3668398	CIP29	84324	CIP29	NM_033082.2	chr12
4290632	0.032250546	up	1.4068954	UBA2	10054	UBA2	NM_005499.2	chr19
2480338	0.005719699	down	1.304156	DBI	1622	DBI	NM_020548.4	chr2
2640706	7.75E-04	down	1.1900136	HCCA2	81532	HCCA2	NM_053005.3	chr11
5080605	0.005731846	up	1.3259269	SNRPA1	6627	SNRPA1	NM_003090.2	chr15
6110301	0.004586111	up	2.4489179	KDEL2	143888	KDEL2	NM_153705.4	chr11
3890092	4.38E-04	down	1.510105	RB1CC1	9821	RB1CC1	NM_001083617.1	chr8
3060474	0.042891715	down	1.3204548	SLC23A2	9962	SLC23A2	NM_203327.1	chr20
4120538	0.002683031	up	1.4831604	LOC731314	731314	LOC731314	XM_001129173.1	chr2
4250041	0.01518015	down	2.5346737	HLTF	6596	HLTF	NM_003071.3	chr3
6510433	3.72E-04	up	1.703732	SNORA33	594839	SNORA33	NR_002436.1	chr6
5340048	0.010160971	up	1.294274	UBE2E3	10477	UBE2E3	NM_006357.2	chr2
2640360	0.006632517	up	1.3477031	UBE2E3	10477	UBE2E3	NM_006357.2	chr2
2690224	0.006586221	up	1.358704	ISG20L2	81875	ISG20L2	NM_030980.1	chr1
6220541	0.002169851	up	1.5031252	ATP5G3	518	ATP5G3	NM_001002258.4	chr2
730541	4.00E-04	down	1.6629145	PCID2	55795	PCID2	NM_018386.1	chr13
6020170	0.002926371	up	1.4673157	MCM4	4173	MCM4	NM_005914.2	chr8
4540326	1.19E-04	down	1.8943263	PYGB	5834	PYGB	NM_002862.3	chr20
5570348	0.017211208	down	1.4491677	SH3RF2	153769	SH3RF2	NM_152550.2	chr5
3180020	9.43E-04	up	1.2430297	COPS8	10920	COPS8	NM_006710.4	chr2
2260068	0.003817929	down	5.1435347	KRT18P28	343326	KRT18P28	XR_017689.1	chr1
5390646	0.037051618	up	1.3813927	SETDB2	83852	SETDB2	NM_031915.1	chr13
150192	0.021706466	down	1.1967062	HS65T1	9394	HS65T1	NM_004807.1	chr2
7050433	0.040657613	down	2.9157693	RDH10	157506	RDH10	NM_172037.2	chr8
5570730	0.005336564	up	1.4967763	TICAM1	148022	TICAM1	NM_182919.1	chr19
2710291	0.021015406	up	1.4445319	HS.130916		HS.130916	CB159370	chr11
6520220	0.009751134	down	1.3916452	CAPRIN1	4076	CAPRIN1	NM_005898.4	chr11
1170564	0.003299849	up	1.5138453	CHD8	57680	CHD8	NM_020920.2	chr14
5270731	0.021725094	up	1.2978677	SAFB	6294	SAFB	NM_002967.2	chr19
520681	0.004564635	up	1.6881573	UQCRB	7381	UQCRB	NM_006294.2	chr8

160358	0.003449472	down	C16orf13	84326	C16orf13	NM_001040162.1	chr16
5700707	0.001737436	up	SPRED1	161742	SPRED1	NM_152594.1	chr15
3450377	0.013829991	down	RNF5P1	286140	RNF5P1	XR_000528.1	chr8
4570692	0.036711883	up	CPSF3L	54973	CPSF3L	NM_017871.4	chr1
2070370	0.011184157	up	CPSF3L	54973	CPSF3L	NM_017871.4	chr1
4180132	7.41E-04	up	FAM189B	10712	FAM189B	NM_198264.1	chr1
3710189	0.00360796	up	LIAS	11019	LIAS	NM_194451.1	chr4
650646	0.020855298	up	ABCC10	89845	ABCC10	NM_033450.2	chr6
6100521	5.66E-05	down	PHF11	51131	PHF11	NM_001040443.1	chr13
1510196	3.43E-05	down	PHF11	51131	PHF11	NM_001040443.1	chr13
7380427	0.004241305	up	DHODH	1723	DHODH	NM_001361.3	chr16
7380010	0.04996627	down	APIP	51074	APIP	NM_015957.1	chr11
5270551	0.001883055	up	LOC100129267	100129267	LOC100129267	XR_037397.1	chr11
110639	8.32E-04	up	MAPK14	1432	MAPK14	NM_139012.1	chr6
1010575	0.033794593	up	C16orf87	388272	C16orf87	NM_001001436.2	chr16
2650653	0.03186382	down	ZNF75D	7626	ZNF75D	NM_007131.2	chrX
2690520	0.002371707	up	RINT1	60561	RINT1	NM_021930.4	chr7
2340709	0.043666434	up	ZMYM3	9203	ZMYM3	NM_201599.1	chrX
4540349	0.007226894	down	LSM2	57819	LSM2	NM_021177.3	chr6
2140368	0.0074993	up	ARPP19	10776	ARPP19	NM_006628.4	chr15
2100653	0.005223736	up	MLL5	55904	MLL5	NM_018682.3	chr7
5810008	0.003749257	down	DLGAP4	22839	DLGAP4	NM_001042486.1	chr20
6060332	0.040576424	up	PTBP1	5725	PTBP1	NM_175847.1	chr19
5820608	0.003099148	up	ZC3H4	23211	ZC3H4	NM_015168.1	chr19
3190022	0.001549099	up	KATNB1	10300	KATNB1	NM_005886.2	chr16
3450327	0.001605742	up	SNORA41	619569	SNORA41	NR_002590.1	chr2
6280725	0.001685332	up	C7orf40	285958	C7orf40	NR_003697.1	chr7
5360619	0.029379485	down	CDC16	8881	CDC16	NM_001078645.1	chr13
3170561	0.008697538	down	CDC16	8881	CDC16	NM_001078645.1	chr13
2850088	0.04769661	up	HS.22566		HS.22566	CR738732	chr1
50086	0.001102563	up	TCF12	6938	TCF12	NM_207037.1	chr15
2190452	0.001258248	down	PIM3	415116	PIM3	XM_938171.2	chr15
1170300	5.30E-06	up	MT1G	4495	MT1G	NM_005950.1	chr16
610376	0.011190144	up	NUDCD2	134492	NUDCD2	NM_145266.4	chr5
4390020	0.049059127	up	PBRM1	55193	PBRM1	NM_181042.2	chr3
620338	0.013065169	up	PBRM1	55193	PBRM1	NM_181042.2	chr3
730593	0.001035624	up	C10orf76	79591	C10orf76	NM_024541.2	chr10
4760754	7.65E-04	up	LOC100132528	100132528	LOC100132528	XR_038720.1	chr9
3190195	0.005061429	down	LOC646609	646609	LOC646609	XM_929546.1	chr9
6660047	0.03996439	up	KIAA0090	23065	KIAA0090	NM_015047.1	chr1
650709	0.009088495	up	RNF34	80196	RNF34	NM_025126.2	chr12
6860452	5.54E-04	up	PDCD2	5134	PDCD2	NM_002598.2	chr6
4900440	0.022542678	up	CIB1	10519	CIB1	NM_006384.2	chr15
4760438	0.0370029	up	RAP2C	57826	RAP2C	NM_021183.3	chrX
4390612	0.001015795	down	CCDC14	64770	CCDC14	NM_022757.3	chr3
6220600	1.06E-05	up	LOC113386	113386	LOC113386	NM_138781.2	chr19
2810082	1.74E-04	down	C20orf111	51526	C20orf111	NM_016470.6	chr20
2340600	0.003281377	up	ATRX	546	ATRX	NM_000489.3	chrX
5260156	0.007386935	down	LOC642489	642489	LOC642489	XM_925989.1	chr6
1030053	0.022989852	up	MZF1	7593	MZF1	NM_198055.1	chr19
1070551	0.002340219	down	CSRP2BP	57325	CSRP2BP	NM_020536.2	chr20

5890450	4.20E-06	down	1.5781884	ATP6V1E1	529	ATP6V1E1	NM_001039367.1	chr22
6860543	0.00148579	down	1.4413432	ATP6V1E1	529	ATP6V1E1	NM_001039367.1	chr22
7150685	1.69E-04	up	2.3327565	CBX5	23468	CBX5	NM_012117.1	chr12
6520608	4.66E-04	up	1.2947975	SMN1	6606	SMN1	NM_022874.1	chr5
1070754	0.001463226	down	1.3757726	CAP1	10487	CAP1	NM_006367.2	chr1
6100273	0.007719253	up	1.2541004	SNX12	29934	SNX12	NM_013346.2	chrX
2900112	4.35E-04	up	1.9156688	PP1B	5479	PP1B	NM_000942.4	chr15
4780689	0.042898122	up	1.2711055	MRPL51	51258	MRPL51	NM_016497.2	chr12
3400327	0.006632517	up	1.2461735	LOC642921	642921	LOC642921	XM_927226.2	chr9
7380113	6.03E-06	down	1.7587937	ABCF1	23	ABCF1	NM_001025091.1	chr6
2190273	4.26E-05	down	1.8662559	ABCF1	23	ABCF1	NM_001025091.1	chr6
5960398	8.20E-04	up	3.3976245	NT5E	4907	NT5E	NM_002526.1	chr6
5340471	0.046431497	down	1.2369863	PIP3-E	26034	PIP3-E	NM_015553.1	chr6
4880632	0.047167063	up	1.599527	IL1RAP	3556	IL1RAP	NM_002182.2	chr3
2850494	0.029296696	up	1.4378225	ATL2	64225	ATL2	NM_022374.1	chr2
150164	0.001890881	up	1.4578929	PP1G	9360	PP1G	NM_004792.2	chr2
5340341	8.18E-05	up	1.5674561	PP1G	9360	PP1G	NM_004792.2	chr2
4220364	0.019172475	up	1.4458785	C19orf2	8725	C19orf2	NM_004792.2	chr2
1500747	0.012751803	down	2.6595325	CBX7	23492	CBX7	NM_134447.1	chr19
6560075	0.016355978	down	1.2965903	TRIM21	6737	TRIM21	NM_175709.2	chr22
7570324	0.002774025	down	3.088002	ID3	3399	ID3	NM_003141.3	chr11
2750220	0.03537414	up	1.1561828	LOC728533	728533	LOC728533	NM_002167.2	chr1
2570553	0.004774686	up	1.4455892	LOC652615	652615	LOC652615	XR_015610.2	chr19
1850092	0.024846343	down	10.709672	PODXL	5420	PODXL	XM_942150.1	chr16
4670520	3.77E-04	up	1.3980314	C16orf70	80262	C16orf70	NM_025187.3	chr20
4890039	0.003434011	up	1.1604874	RNPC2	9584	RNPC2	NM_184237.1	chr1
6840066	8.00E-04	down	1.3713218	FLJ45337	400754	FLJ45337	NM_207465.1	chr1
5080468	0.021628017	down	1.2325621	MBOAT2	129642	MBOAT2	XM_001129292.1	chr12
6510164	0.001160455	down	1.3158326	ATP2B1	490	ATP2B1	NM_001682.2	chr17
670026	0.03604221	up	1.5464908	CRLF3	51379	CRLF3	NM_015986.2	chr7
1710402	0.042705514	up	1.3571033	TYW1B	441250	TYW1B	XR_015176.2	chr14
4010452	6.63E-04	up	1.4872342	SLC38A6	145389	SLC38A6	NM_153811.1	chr19
4730368	0.022157682	up	1.7952515	LOC390183	390183	LOC390183	XR_018242.2	chr9
2850091	0.022950507	up	1.235161	SAFB2	9667	SAFB2	NM_014649.1	chr15
2640762	0.018599294	down	1.2211586	TAF1L	138474	TAF1L	NM_153809.2	chr9
4480348	0.002874865	down	1.5818074	FBXW9	84261	FBXW9	NM_032301.2	chr19
2690561	0.001843266	up	1.2644167	RPLP1	6176	RPLP1	NM_001003.2	chr15
6380187	0.010424915	up	1.8202844	C21orf57	54059	C21orf57	NM_058181.1	chr21
1110349	0.013553537	up	1.8598324	C21orf57	54059	C21orf57	NM_058181.1	chr21
3140044	0.03346764	up	1.2703158	WDR5	11091	WDR5	NM_017588.2	chr9
670113	0.040099304	down	1.7119886	TPP1	1200	TPP1	NM_000391.3	chr11
2140070	0.019650696	up	1.8366642	COG8	84342	COG8	NM_032382.3	chr16
10474	0.024704123	up	1.1535553	NFATC3	4775	NFATC3	NM_173165.1	chr16
6660139	0.039130714	down	1.3118373	RALGAPB	57148	RALGAPB	NM_020336.2	chr20
1400102	0.02534643	down	1.1230406	PDXDC2	283970	PDXDC2	NR_003610.1	chr16
1070360	0.04070536	down	1.2727575	APITD1	378708	APITD1	NM_199295.1	chr1
290731	2.15E-05	up	1.8090043	POLD1	5424	POLD1	NM_002691.1	chr19
4040605	0.025460532	down	2.3787413	PSEN2	5664	PSEN2	NM_012486.1	chr1
3800278	0.0335015	up	1.4546132	SNORA8	654320	SNORA8	NR_002920.1	chr11
1240246	0.014439024	up	1.4815207	SNORD27	9301	SNORD27	NR_002563.1	chr11
4070348	0.030817283	down	1.4045842	SLC46A1	113235	SLC46A1	NM_080669.3	chr17

380519	0.014585027	up	4.89777	LOC642477	642477	LOC642477	642477	LOC642477	XM_930694.1	chr14
5090634	0.045040995	up	1.2452581	LOC392522	392522	LOC392522	392522	LOC392522	XR_018292.2	chr4
1850110	0.027255131	up	1.6485323	C4orf33	132321	C4orf33	132321	C4orf33	NM_001099783.1	chr12
7380110	0.03779071	up	1.7016716	CDK4	1019	CDK4	1019	CDK4	NM_000075.2	chr17
1500112	9.94E-04	down	1.2065728	ORMDL3	94103	ORMDL3	94103	ORMDL3	NM_139280.1	chr16
6860291	0.016444815	up	1.5689205	GAS8	2622	GAS8	2622	GAS8	NM_001481.1	chr5
2060133	0.012436228	up	1.2410519	RBM27	54439	RBM27	54439	RBM27	NM_018989.1	chr11
6660270	0.009440507	down	1.3556516	MRPL17	63875	MRPL17	63875	MRPL17	NM_022061.2	chr2
6280224	0.010685234	up	2.5457823	CYP26B1	56603	CYP26B1	56603	CYP26B1	NM_019885.2	chr1
1850273	0.007352983	up	1.2397202	SNORD99	692212	SNORD99	692212	SNORD99	NR_003077.1	chr6
5290717	1.56E-04	up	1.2814502	ZUFSP	221302	ZUFSP	221302	ZUFSP	NM_145062.1	chr1
6480674	0.017259276	up	1.1099591	HCN3	57657	HCN3	57657	HCN3	NM_020897.1	chr2
7303343	0.047863368	up	1.3120874	CCDC93	54520	CCDC93	54520	CCDC93	NM_019044.3	chr2
4040070	0.002932767	up	1.2678504	SMN2	6607	SMN2	6607	SMN2	NM_022875.1	chr5
7000403	0.034207832	down	1.2672536	C20orf45	51012	C20orf45	51012	C20orf45	NM_016045.1	chr20
4060021	0.042054437	up	1.2939494	SLK	9748	SLK	9748	SLK	NM_014720.2	chr10
2940739	0.039892446	down	1.571302	RASSF1	11186	RASSF1	11186	RASSF1	NM_170712.1	chr3
1170309	0.007556832	up	1.4325792	LOC642357	642357	LOC642357	642357	LOC642357	XR_018361.2	chr20
2760390	0.022718765	down	1.579472	NCOA3	8202	NCOA3	8202	NCOA3	NM_181659.1	chr6
5420520	6.86E-04	down	2.6095726	MDC1	9656	MDC1	9656	MDC1	NM_014641.1	chr6
1500689	0.02666276	up	1.3791609	AIFM1	9131	AIFM1	9131	AIFM1	NM_145813.1	chrX
3290341	0.009677058	up	1.4084548	AIFM1	9131	AIFM1	9131	AIFM1	NM_145813.1	chrX
1010450	0.030114485	up	1.9685533	RNY1	6084	RNY1	6084	RNY1	NR_004391.1	chr7
5720347	0.040188435	up	1.2234817	CPSF4	10898	CPSF4	10898	CPSF4	NM_001081559.1	chr7
5560010	0.005069731	up	1.6058809	CPSF4	10898	CPSF4	10898	CPSF4	NM_001081559.1	chr7
3830092	4.09E-04	up	3.3124197	RGS10	6001	RGS10	6001	RGS10	NM_001005339.1	chr10
1440209	1.04E-04	up	2.811512	RGS10	6001	RGS10	6001	RGS10	NM_001005339.1	chr10
4490273	0.011190144	up	2.1874528	KLHDC5	57542	KLHDC5	57542	KLHDC5	NM_020782.1	chr12
7400743	0.032365233	down	1.6527472	KIAA1618	57714	KIAA1618	57714	KIAA1618	NM_020954.2	chr17
630240	0.002683353	up	1.3024576	RASSF6	166824	RASSF6	166824	RASSF6	NM_177532.3	chr4
5910082	0.029771997	up	1.4973892	TMEM1	7109	TMEM1	7109	TMEM1	NM_001001723.1	chr21
1710682	0.014661695	down	1.2915939	NQO2	4835	NQO2	4835	NQO2	NM_000904.2	chr12
1340681	0.016080145	up	2.2031934	FGFR1OP2	26127	FGFR1OP2	26127	FGFR1OP2	NM_015633.1	chr12
1470519	0.03662997	up	1.4071226	C4orf41	60684	C4orf41	60684	C4orf41	NM_021942.4	chr4
6100762	0.048939753	up	1.1652572	PSMC6	5706	PSMC6	5706	PSMC6	NM_002806.2	chr14
1090674	0.001731206	down	5.80483	KRT18P17	344866	KRT18P17	344866	KRT18P17	XR_037953.1	chr14
6660010	0.005219303	up	2.0974445	SNORD31	9298	SNORD31	9298	SNORD31	NR_002560.1	chr11
6620201	5.54E-04	down	1.9252774	KLHL24	54800	KLHL24	54800	KLHL24	NM_017644.3	chr3
770619	0.00269546	down	2.0235462	STAM	8027	STAM	8027	STAM	NM_003473.2	chr10
4780537	0.022371871	up	1.8485669	RUVBL2	10856	RUVBL2	10856	RUVBL2	NM_006666.1	chr19
670014	0.043109115	up	1.1884202	XRCC3	7517	XRCC3	7517	XRCC3	NM_001100118.1	chr14
3440338	5.81E-04	down	1.3853587	RNF181	51255	RNF181	51255	RNF181	NM_016494.3	chr2
1690209	2.42E-05	down	1.6051141	RNH1	6050	RNH1	6050	RNH1	NM_203385.1	chr11
20427	7.65E-04	down	1.4243141	RNH1	6050	RNH1	6050	RNH1	NM_203385.1	chr11
6220152	0.03110647	up	1.238222	ANKFY1	51479	ANKFY1	51479	ANKFY1	NM_203385.1	chr11
5090754	6.41E-05	up	2.3951793	KIAA0101	9768	KIAA0101	9768	KIAA0101	NM_020740.2	chr17
4590333	0.04697762	up	1.1289235	DHX15	1665	DHX15	1665	DHX15	NM_014736.4	chr15
3890017	0.002151808	down	1.4329213	CTNNA1	1495	CTNNA1	1495	CTNNA1	NM_001358.2	chr4
6550603	0.00227914	down	1.6578186	HMGCR	3156	HMGCR	3156	HMGCR	NM_001903.2	chr5
5690066	0.033046998	down	1.4384584	XBP1	7494	XBP1	7494	XBP1	NM_000859.1	chr5
2000019	3.12E-04	up	1.6579472	KLHL8	57563	KLHL8	57563	KLHL8	NM_005080.2	chr22
									NM_020803.3	chr4

7100349	7.66E-06	up	1.6673685	KLHL8	57563	KLHL8	NM_020803.3	NM_020803.3	chr4
6290070	6.59E-04	up	1.6412259	C17orf41	79915	C17orf41	XM_001134002.1	XM_001134002.1	chrX
4570411	0.002708754	up	1.3747525	USP9X	8239	USP9X	NM_001039591.2	NM_001039591.2	chr12
4830717	7.81E-04	up	1.3228959	SART3	9733	SART3	NM_014706.3	NM_014706.3	chr17
4880333	8.51E-04	down	7.0233254	FLJ40504	284085	FLJ40504	NM_173624.1	NM_173624.1	chr13
20241	0.027062586	down	1.9257674	SLC7A1	6541	SLC7A1	NM_003045.3	NM_003045.3	chr13
2640482	0.006747126	up	1.7312574	LOC653468	653468	LOC653468	XM_944657.2	XM_944657.2	chr20
4250082	0.007172368	down	1.191567	CHD6	84181	CHD6	NM_032221.3	NM_032221.3	chr22
5570110	0.020203346	down	2.5495148	TRIOBP	11078	TRIOBP	NM_001039141.1	NM_001039141.1	chr17
5900494	0.02516069	down	1.16159	IFT20	90410	IFT20	NM_174887.2	NM_174887.2	chrX
3130471	0.011485251	down	2.7519362	NRK	203447	NRK	NM_198465.2	NM_198465.2	chr5
6860440	0.024111226	up	1.1315033	DHFR	1719	DHFR	NM_000791.3	NM_000791.3	chr7
7380653	0.003185973	up	1.4762734	DDX56	54606	DDX56	NM_019082.2	NM_019082.2	chr7
110435	0.039690044	up	1.7501389	LOC441550	441550	LOC441550	XR_038097.1	XR_038097.1	chr19
6370376	0.007207546	down	1.1889728	ZNF443	10224	ZNF443	NM_005815.2	NM_005815.2	chr14
7050370	6.31E-04	down	1.4186981	ANKRD9	122416	ANKRD9	NM_152326.2	NM_152326.2	chr19
670242	0.020159092	up	1.3054624	ZNF444	55311	ZNF444	NM_018337.2	NM_018337.2	chr1
4220278	4.71E-04	up	1.4629908	TROVE2	6738	TROVE2	NM_001042370.1	NM_001042370.1	chr13
1740040	5.80E-04	down	1.3729371	CLN5	1203	CLN5	NM_006493.1	NM_006493.1	chr7
1340703	0.006186605	up	1.4487659	LUC7L2	51631	LUC7L2	NM_016019.2	NM_016019.2	chr19
3360689	0.006911402	up	1.5791953	ILF3	3609	ILF3	NM_004516.2	NM_004516.2	chr19
1660209	0.005463189	down	1.4672999	LOC100134291	100134291	LOC100134291	XM_001718070.1	XM_001718070.1	chr6
6370068	0.049966627	down	1.6809149	GNL1	2794	GNL1	NM_005275.2	NM_005275.2	chr12
4570333	0.003257092	up	2.6278262	YARS2	51067	YARS2	NM_001040436.1	NM_001040436.1	chr12
6510246	0.006697733	up	1.4082136	LOC648210	648210	LOC648210	XR_018923.1	XR_018923.1	chr1
4760243	0.004801914	up	1.4337968	LOC648210	648210	LOC648210	XR_018923.1	XR_018923.1	chr7
6900048	0.007111705	up	1.3443937	LOC648210	648210	LOC648210	XR_018923.1	XR_018923.1	chr7
6590088	0.032820005	down	1.2389885	LRRC41	10489	LRRC41	NM_006369.4	NM_006369.4	chr1
6350333	9.63E-05	up	1.6134665	POLR2J	5439	POLR2J	NM_006234.4	NM_006234.4	chr7
3780148	1.47E-04	up	1.2699596	C7orf26	79034	C7orf26	NM_024067.2	NM_024067.2	chr7
7040707	0.036412448	up	1.7380857	KIF1B	23095	KIF1B	NM_015074.2	NM_015074.2	chr1
2140086	9.39E-04	up	1.2750831	SNORD4B	26772	SNORD4B	NR_000009.1	NR_000009.1	chr17
4540025	0.04995625	up	1.2548343	ALG2	85365	ALG2	NM_197973.2	NM_197973.2	chr9
3170519	3.09E-04	down	1.4348298	HARS2	23438	HARS2	NM_012208.2	NM_012208.2	chr5
2640088	0.01804728	down	2.2489307	ALDOA	226	ALDOA	NM_184041.1	NM_184041.1	chr16
3180653	4.26E-05	up	1.5421424	SON	6651	SON	NM_058183.2	NM_058183.2	chr21
5900204	5.64E-04	up	1.3367307	NBR2	10230	NBR2	NM_005821.3	NM_005821.3	chr17
4480592	0.001474904	down	1.7522789	CHMP6	79643	CHMP6	XM_001132548.1	XM_001132548.1	chr15
780114	8.32E-04	up	1.6235299	ZWILCH	55055	ZWILCH	NM_017975.3	NM_017975.3	chr15
4850221	5.24E-04	up	1.6271248	ZWILCH	55055	ZWILCH	NM_017975.3	NM_017975.3	chr15
4760431	0.014104806	up	1.5674233	LOC136143	136143	LOC136143	XM_069734.5	XM_069734.5	chr7
1450403	0.03027338	down	1.2910885	TMEM129	92305	TMEM129	NM_138385.2	NM_138385.2	chr4
4850440	0.01269581	up	1.3088993	HEATR3	55027	HEATR3	NM_182922.2	NM_182922.2	chr16
1510609	4.83E-04	up	1.5151428	NME1-NME2	654364	NME1-NME2	NM_001018136.1	NM_001018136.1	chr17
3520382	0.007908559	up	1.2356154	CCNT2	905	CCNT2	NM_058241.1	NM_058241.1	chr2
1240273	0.015675033	up	1.4400334	SNORD110	692213	SNORD110	NR_003078.1	NR_003078.1	chr20
3140138	0.012711453	up	1.2889531	C12orf47	51275	C12orf47	XR_017973.1	XR_017973.1	chr6
6200647	0.001210105	down	1.8268045	IBTK	25998	IBTK	NM_015525.2	NM_015525.2	chr22
7210685	0.004223739	down	1.7505751	MKL1	57591	MKL1	NM_020831.3	NM_020831.3	chr20
4180673	5.52E-05	down	1.5070516	C20orf43	51507	C20orf43	NM_016407.2	NM_016407.2	chr13
7040711	0.04097507	down	1.2096786	CKAP2	26586	CKAP2	NM_018204.2	NM_018204.2	chr13

2350762	0.030630654	up	1.7193619	C12orf5	57103	C12ORF5	NM_020375.2	chr12
4810435	0.04613552	down	1.4383554	SCARB2	950	SCARB2	NM_005506.2	chr4
6290681	0.043666434	down	1.1251755	TOMM20	9804	TOMM20	NM_014765.2	chr1
4780349	0.01730536	down	1.4255459	C1orf9	51430	C1ORF9	NM_014283.2	chr1
2350373	0.033791475	down	1.3084947	C1orf9	51430	C1ORF9	NM_014283.2	chr1
3460754	0.001662222	down	1.3285533	AXIN1	8312	AXIN1	NM_181050.1	chr16
4890634	0.030307323	up	1.4156704	CLSPN	63967	CLSPN	NM_022111.2	chr1
4250068	0.031108556	up	1.1614237	LOC729798	729798	LOC729798	XM_001722176.1	chr1
3520504	0.025318554	up	1.1338017	TFAP4	7023	TFAP4	NM_003223.1	chr16
7200647	0.041684654	down	1.5805038	MGC70857	414919	MGC70857	NM_001001795.1	chr8
6760747	0.014996833	up	1.5885769	LOC644254	644254	LOC644254	XM_932079.1	chr17
5700041	0.003223738	up	1.2500639	HYOU1	10525	HYOU1	NM_006389.2	chr11
7050670	0.010549179	up	1.2597331	SAFB2	9667	SAFB2	NM_014649.2	chr19
5050471	5.54E-04	up	1.7054592	ARL13B	200894	ARL13B	NM_182896.1	chr3
6520382	0.023094013	up	1.7677056	CNOT1	23019	CNOT1	NM_016284.3	chr16
1500021	0.001381689	up	1.3570977	CWC22	57703	CWC22	NM_020943.2	chr2
7200086	0.00451644	up	1.4977534	CWC22	57703	CWC22	NM_020943.2	chr2
4640041	0.016183948	up	1.3954256	CLK3	1198	CLK3	NM_003992.1	chr15
7210487	0.020985974	up	1.6898764	LYSMD4	145748	LYSMD4	NM_152449.2	chr15
20403	0.001498685	up	1.5072145	TOR1AIP1	26092	TOR1AIP1	NM_015602.2	chr1
5340414	0.033046998	down	1.1150172	LGTN	1939	LGTN	NM_006893.2	chr1
4670750	0.026359407	down	1.3432587	TNFRSF1A	7132	TNFRSF1A	NM_001065.2	chr12
3800634	0.039256047	down	1.1082702	AVEN	57099	AVEN	NM_020371.2	chr15
5130672	6.12E-05	up	1.8406308	FAM133B	257415	FAM133B	NM_001040057.1	chr7
1010082	0.007875072	up	1.6119891	MCM3AP	8888	MCM3AP	NM_003906.3	chr21
2030681	0.003424375	down	3.1683805	HS.553301		HS.553301	NM_003906.3	chr13
4150608	0.040593818	up	1.3029312	RPL32	6161	RPL32	NM_001007074.1	chr3
7650333	0.011763357	up	1.3146343	LOC644619	644619	LOC644619	XR_042317.1	chr7
6900630	0.047893763	down	1.9575189	PSAP	5660	PSAP	NM_001042465.1	chr10
3450138	4.69E-06	down	5.505935	ATP2B4	493	ATP2B4	NM_001684.3	chr1
5270367	0.028401395	up	4.8948765	CTSC	1075	CTSC	NM_001814.2	chr11
4640066	0.02462173	up	4.1263676	CTSC	1075	CTSC	NM_001814.2	chr11
6400270	0.025790352	up	1.4143326	VAMP3	9341	VAMP3	NM_004781.3	chr1
3830520	0.010549179	up	1.6972688	HPRT1	3251	HPRT1	NM_000194.1	chrX
1440121	8.53E-04	up	1.4731371	LOC652458	652458	LOC652458	XM_941907.1	chr7
6560767	0.040378068	up	1.3260347	LOC645968	645968	LOC645968	XM_928934.1	chr7
2490093	0.009183293	down	1.5694724	C17orf62	79415	C17ORF62	NM_001100408.1	chr17
4590424	0.03810457	up	1.1370391	WBP11	51729	WBP11	NM_016312.2	chr12
2120468	0.011594707	up	1.9243064	PDCD2L	84306	PDCD2L	NM_032346.1	chr19
50689	0.002371707	down	1.3230098	C10orf58	84293	C10ORF58	NM_032333.2	chr10
6400176	0.009949825	up	1.7369975	C7orf28B	221960	C7ORF28B	NM_198097.1	chr7
2370368	1.49E-06	down	2.0497177	IRF7	3665	IRF7	NM_004029.2	chr11
1500470	4.35E-04	up	1.4966486	SON	6651	SON	NM_138926.1	chr21
2100279	0.003550821	up	1.2694188	MED25	81857	MED25	NM_030973.2	chr19
3520427	6.76E-04	up	1.3274304	NCOA6IP	96764	NCOA6IP	NM_024831.5	chr8
1230348	0.019625194	up	1.3598058	ATE1	11101	ATE1	NM_007041.2	chr10
1510278	0.005248972	down	3.5354512	CARHSP1	23589	CARHSP1	NM_001042476.1	chr16
520189	0.017014703	up	1.4976645	UHRF1	29128	UHRF1	NM_013282.3	chr19
2190753	8.53E-04	up	1.2500839	HYOU1	10525	HYOU1	NM_006389.2	chr11
6270112	0.009800799	down	1.6419628	C11orf17	56672	C11ORF17	NM_182901.2	chr11
	0.030630654	down	2.4431496	C11orf17	56672	C11ORF17	NM_182901.2	chr11

6590224	0.012118938	down	3.7781582	WFS1	7466	WFS1	NM_006005.2	chr4
1070133	0.038901467	up	1.628037	CLDN12	9069	CLDN12	NM_012129.2	chr7
1070376	0.026452525	up	1.3641663	CEP164	22897	CEP164	NM_014956.4	chr11
2060193	0.019649873	up	1.8600115	ATP13A1	57130	ATP13A1	NM_020410.1	chr19
3120458	0.02630785	up	1.6727369	NCL	4691	NCL	NM_005381.2	chr2
380484	0.018271348	down	2.004619	SLC36A4	120103	SLC36A4	NM_152313.2	chr11
730487	0.013015905	up	1.201014	RARS2	57038	RARS2	NM_020320.2	chr6
4050653	0.003954957	up	1.8282577	BRWD3	254065	BRWD3	NM_153252.3	chrX
3450326	0.012488754	down	1.6698487	NAGK	55577	NAGK	NM_017567.2	chr2
1780348	4.57E-04	down	1.3227433	FH	2271	FH	NM_000143.2	chr1
5810050	0.033011954	up	1.4178346	ANKRD36	375248	ANKRD36	NM_198555.3	chr2
240053	0.045494452	up	1.7131774	GCH1	2643	GCH1	NM_001024071.1	chr14
5720360	0.005078709	up	1.504138	STARD7	56910	STARD7	NM_139267.1	chr2
1410020	8.29E-05	down	2.6601229	TMCO3	55002	TMCO3	NM_017905.3	chr13
6900400	0.002389233	up	1.4129583	FAM98C	147965	FAM98C	NM_174905.2	chr19
1940326	0.036978576	up	1.1796416	CSRNP2	81566	CSRNP2	NM_030809.1	chr12
1110372	0.012911712	up	1.2307006	CSRNP2	81566	CSRNP2	NM_030809.1	chr12
2640114	0.001973134	up	1.7426816	NECAP1	25977	NECAP1	NM_015509.2	chr12
4060064	0.043074984	down	1.1469393	HMMR	3161	HMMR	NM_012485.1	chr5
7650246	0.03487916	down	1.1773169	GNA11	2767	GNA11	NM_002067.1	chr19
5420376	0.016337544	down	1.2893057	COG6	57511	COG6	NM_020751.1	chr13
460100	0.003804997	up	1.3707952	PAK4	10298	PAK4	NM_005884.3	chr19
6400474	0.001213705	up	1.207863	MLF2	8079	MLF2	NM_005439.1	chr12
6900176	0.003099522	down	1.2247254	TSEN2	80746	TSEN2	NM_025265.2	chr3
3140280	4.88E-04	up	1.8577535	C9orf6	54942	C9ORF6	NM_017832.2	chr9
4490348	2.33E-04	up	1.7458273	C9orf6	54942	C9ORF6	NM_017832.2	chr9
2510731	0.00259637	up	1.4796298	OGFOD1	55239	OGFOD1	NM_018233.3	chr9
6330242	0.003664457	up	1.3640971	OGFOD1	55239	OGFOD1	NM_018233.3	chr16
2070309	0.040099304	down	1.3931168	OSGIN2	734	OSGIN2	NM_004337.1	chr16
650026	0.026375022	up	1.1325117	LOC650526	650526	LOC650526	NM_004337.1	chr8
650626	0.024584463	up	1.1686363	C16orf68	79091	C16ORF68	XM_946003.1	chr16
620754	0.002683353	up	1.4364731	RPS5	6193	RPS5	NM_024109.2	chr19
2190414	0.006478073	down	1.6032413	ACACA	31	ACACA	NM_001009.3	chr17
3520553	0.027612627	up	1.2674156	BAD	572	BAD	NM_198836.1	chr11
1770433	0.046431497	up	1.3185738	YWHAG	7532	YWHAG	NM_032989.1	chr7
3990500	0.004628959	up	1.3056257	SNHG12	85028	SNHG12	NM_012479.2	chr7
2350195	0.016355978	up	1.1472299	MRE11A	4361	MRE11A	NR_024127.1	chr1
730040	0.010199692	up	8.563121	LAMB3	3914	LAMB3	NM_005590.3	chr11
5810521	4.58E-04	up	1.4234517	STARD7	56910	STARD7	NM_000228.2	chr1
6620670	0.001186606	up	1.6631583	WDR75	84128	WDR75	NM_020151.3	chr2
1340475	0.003658492	up	1.2606393	BRD2	6046	BRD2	NM_032168.1	chr2
2140400	1.41E-06	up	2.428096	LOC92755	92755	LOC92755	NM_005104.2	chr6
1010161	0.02901375	down	2.1069734	ARL4A	10124	ARL4A	XR_016140.2	chr8
6290369	0.001111848	down	2.6882994	ARL4A	10124	ARL4A	NM_001037164.1	chr7
4590661	1.87E-04	up	1.5546622	COP57B	64708	COP57B	NM_001037164.1	chr7
5700088	0.03662997	down	1.9020258	KLF11	8462	KLF11	NM_022730.1	chr2
160181	5.55E-04	down	2.643944	FOXRED2	80020	FOXRED2	XM_001129527.1	chr22
6180487	6.38E-04	down	2.2728574	FOXRED2	80020	FOXRED2	NM_024955.4	chr22
3140102	1.61E-04	down	2.36834	SLC26A2	1836	SLC26A2	NM_000112.3	chr5
5340349	0.020203346	up	1.2720096	LOC728678	728678	LOC728678	XR_039547.1	chr5
240577	0.010065515	up	1.2895213	MMGT1	93380	MMGT1	NM_173470.1	chrX

6020445	0.003678613	up	1.320875	MMGT1	93380	MMGT1	NM_173470.1	NM_173470.1	chrX
4150424	0.022230834	down	1.1822613	GFM2	84340	GFM2	NM_170681.1	NM_170681.1	chr5
670382	0.025685223	up	1.3492924	ARL6IP6	151188	ARL6IP6	NM_152522.3	NM_152522.3	chr2
1850338	0.042311464	up	1.1608658	RPL39	6170	RPL39	NM_001000.2	NM_001000.2	chrX
6270475	0.001464182	up	1.3163618	DUS3L	56931	DUS3L	NM_020175.1	NM_020175.1	chr19
5560482	2.82E-05	up	1.6129733	UBQLN2	29978	UBQLN2	NM_013444.2	NM_013444.2	chrX
5550360	0.04276454	up	1.9216679	STARD3NL	83930	STARD3NL	NM_032016.2	NM_032016.2	chr7
3390367	0.010021715	up	1.8430405	HS_552082		HS_552082	BU616603	BU616603	chr4
1430010	0.030630654	up	1.4150379	SPCS2	9789	SPCS2	NM_014752.1	NM_014752.1	chr11
7150367	0.049828168	up	1.3678282	WDR91	29062	WDR91	NM_014149.2	NM_014149.2	chr7
5860626	0.029844245	up	1.622914	MRPS11	64963	MRPS11	NM_176805.1	NM_176805.1	chr15
830379	0.018412992	up	1.6586137	MRPS11	64963	MRPS11	NM_176805.1	NM_176805.1	chr15
2120097	4.95E-05	up	1.6373541	CHAF1A	10036	CHAF1A	NM_005483.2	NM_005483.2	chr19
6840564	0.009641502	up	1.4868463	LOC729852	729852	LOC729852	XR_040870.1	XR_040870.1	chr7
6860228	0.02074563	down	1.7839389	C5orf41	153222	C5orf41	NM_153607.1	NM_153607.1	chr5
6840491	0.013065169	down	1.6652553	C5orf41	153222	C5orf41	NM_153607.1	NM_153607.1	chr5
1990639	0.001692046	up	1.5708487	ZCRB1	85437	ZCRB1	NM_033114.3	NM_033114.3	chr12
2070575	0.030307323	down	2.1785786	ALCAM	214	ALCAM	NM_001627.2	NM_001627.2	chr3
1570129	0.039092064	down	1.4054377	TRAFD1	10906	TRAFD1	NM_006700.1	NM_006700.1	chr12
1690608	6.62E-05	up	2.0115454	ALDH3A2	224	ALDH3A2	NM_000382.2	NM_000382.2	chr12
6400239	0.025551407	up	1.16753	PMS2L1	5379	PMS2L1	XM_945626.1	XM_945626.1	chr17
1710730	0.015087486	up	1.3252277	RELL1	768211	RELL1	NM_001085400.1	NM_001085400.1	chr4
1050746	0.017733473	up	1.1634784	HM13	81502	HM13	NM_178580.1	NM_178580.1	chr20
6350370	0.046491053	up	1.3268107	CLASP2	23122	CLASP2	NM_015097.1	NM_015097.1	chr3
6660279	1.87E-04	up	1.3436382	DOHH	83475	DOHH	NM_031304.3	NM_031304.3	chr19
3370164	0.004476417	down	1.3639033	ATP1A1	476	ATP1A1	NM_000701.6	NM_000701.6	chr1
5570152	0.037442293	down	1.291982	ATP1A1	476	ATP1A1	NM_000701.6	NM_000701.6	chr1
1850482	0.014700993	down	1.9448969	TNK2	10188	TNK2	NM_005781.4	NM_005781.4	chr3
7550722	0.002414241	up	6.180768	ZMYM6	9204	ZMYM6	NM_007167.2	NM_007167.2	chr1
1500168	0.006022668	down	2.2130013	RCN1	5954	RCN1	NM_002901.1	NM_002901.1	chr11
460382	0.016355978	up	1.082946	CARM1	10498	CARM1	NM_199141.1	NM_199141.1	chr19
2260037	7.21E-05	down	42.463367	LOC149501	149501	LOC149501	XR_017100.2	XR_017100.2	chr1
2070349	4.35E-04	up	1.3418539	SNRPB	6628	SNRPB	NM_003091.3	NM_003091.3	chr20
7560136	0.001159832	up	1.5268637	WDR92	116143	WDR92	NM_138458.2	NM_138458.2	chr2
1110544	0.005731846	up	1.4396065	GPHN	10243	GPHN	NM_001024218.1	NM_001024218.1	chr14
1300553	0.005061429	up	1.3862897	RFXANK	8625	RFXANK	NM_003721.2	NM_003721.2	chr19
6580603	8.32E-04	up	1.3157909	RFXANK	8625	RFXANK	NM_003721.2	NM_003721.2	chr19
3180563	0.005623314	down	1.5963676	GPR180	160897	GPR180	NM_180989.4	NM_180989.4	chr13
7550022	0.03662997	up	1.4555566	STXBP5	134957	STXBP5	NM_139244.2	NM_139244.2	chr6
4810709	0.041251507	up	1.2165748	CSNK2A1P	283106	CSNK2A1P	NR_002207.1	NR_002207.1	chr11
7050136	0.030844133	down	2.0668232	RAB22A	57403	RAB22A	NM_020673.2	NM_020673.2	chr20
3170274	0.00906357	up	1.4896644	OSBPL8	114882	OSBPL8	NM_020841.4	NM_020841.4	chr12
1820497	0.016719522	down	1.8514578	TIGD2	166815	TIGD2	NM_145715.2	NM_145715.2	chr4
650068	0.001935035	up	1.5713673	PRPF40A	55660	PRPF40A	NM_017892.3	NM_017892.3	chr2
4890209	0.004716547	up	1.6098304	PRPF40A	55660	PRPF40A	NM_017892.3	NM_017892.3	chr2
3170538	0.016382722	up	1.1832877	INO80	54617	INO80	NM_017553.1	NM_017553.1	chr15
3400148	0.008860846	up	1.2075859	INO80	54617	INO80	NM_017553.1	NM_017553.1	chr15
3890048	0.01785268	up	1.2505538	INO80	54617	INO80	NM_017553.1	NM_017553.1	chr15
5360148	2.67E-04	down	2.1570868	LIPA	3988	LIPA	NM_000235.2	NM_000235.2	chr10
2340626	0.037857078	down	1.1863145	TFB1M	51106	TFB1M	NM_016020.1	NM_016020.1	chr6
2510209	0.00557206	up	1.411763	KDELRL1	10945	KDELRL1	NM_006801.2	NM_006801.2	chr19

240152	0.005446127	up	1.2213643	MGC57346	401884	MGC57346	401884	MGC57346	XM_377476.4	chr17
2630711	0.004583188	up	1.4026603	MCM4	4173	MCM4	4173	MCM4	NM_182746.1	chr8
2970025	0.011298651	up	1.6705323	SEPW1	6415	SEPW1	6415	SEPW1	NM_003009.2	chr19
4180167	5.20E-04	up	1.6099008	HMG3	9324	HMG3	9324	HMG3	NM_004242.2	chr6
6450553	0.002749375	up	1.3443291	RPS16	6217	RPS16	6217	RPS16	NM_001020.4	chr19
6220441	0.001190958	down	1.3909762	CISD1	55847	CISD1	55847	CISD1	NM_018464.2	chr10
20392	0.001757786	down	1.3595539	CISD1	55847	CISD1	55847	CISD1	NM_018464.2	chr10
3190634	0.002200074	down	1.565645	DSTN	11034	DSTN	11034	DSTN	NM_006870.3	chr20
6660343	0.001258248	up	1.4157596	RBM14	10432	RBM14	10432	RBM14	NM_006328.2	chr11
5340332	0.004506012	up	1.2051688	LOC729101	729101	LOC729101	729101	LOC729101	XR_015731.1	chr11
4180491	0.010308458	up	1.7849989	C17orf81	23587	C17orf81	23587	C17orf81	NM_203413.1	chr17
3890097	3.95E-06	down	1.946328	TCF19	6941	TCF19	6941	TCF19	NM_001077511.1	chr6
780162	0.022182962	down	1.4242316	SEPN1	57190	SEPN1	57190	SEPN1	NM_020451.2	chr1
610408	2.04E-04	up	1.9372909	HSPA4L	22824	HSPA4L	22824	HSPA4L	NM_014278.2	chr4
2140167	0.009055037	up	1.5331762	MOSC2	54996	MOSC2	54996	MOSC2	NM_017898.3	chr1
60630	0.001244087	up	2.5338118	GLA	2717	GLA	2717	GLA	NM_000169.2	chrX
3130400	4.72E-05	up	1.5224731	WDR43	23160	WDR43	23160	WDR43	XM_944889.1	chr5
2030079	0.033791475	up	1.1219479	RUFY1	80230	RUFY1	80230	RUFY1	NM_025158.2	chr9
5560102	0.015760122	down	1.4962432	AGPAT2	10555	AGPAT2	10555	AGPAT2	NM_001012727.1	chr9
4640142	7.21E-05	down	1.6988498	STK19	8859	STK19	8859	STK19	NM_004197.1	chr6
4260612	8.86E-06	down	1.6895535	STK19	8859	STK19	8859	STK19	NM_004197.1	chr6
2030441	6.21E-04	up	1.4816816	SPATS2	65244	SPATS2	65244	SPATS2	NM_023071.1	chr12
2480025	3.92E-04	down	1.3567041	ACP2	53	ACP2	53	ACP2	NM_001610.1	chr11
3060750	0.02545811	up	1.3631247	PSMD5	5711	PSMD5	5711	PSMD5	NM_005047.2	chr9
2600612	0.018829111	up	1.2422432	NCBP1	4686	NCBP1	4686	NCBP1	NM_002486.4	chr9
2030041	7.66E-06	up	1.8271585	DDEF2	8853	DDEF2	8853	DDEF2	NM_003887.1	chr2
2650364	0.030630654	up	1.5133117	FOXMI	2305	FOXMI	2305	FOXMI	NM_202003.1	chr12
2340521	0.021061348	down	1.1965522	C17orf61	254863	C17orf61	254863	C17orf61	NM_152766.2	chr17
1510554	0.006475588	up	1.641744	SPIN3	169981	SPIN3	169981	SPIN3	NM_001010862.1	chrX
870167	0.048217457	down	1.3515742	PDS5B	23047	PDS5B	23047	PDS5B	NM_015032.1	chr13
2640411	0.001190895	down	2.322207	UNC84B	25777	UNC84B	25777	UNC84B	NM_015374.1	chr22
3360327	0.002696284	up	1.5035042	LOC401127	401127	LOC401127	401127	LOC401127	XR_017898.1	chr4
2480731	0.00352523	up	1.3438838	NARG2	79664	NARG2	79664	NARG2	NM_024611.4	chr15
6660377	0.002452788	up	1.3160335	THOC2	57187	THOC2	57187	THOC2	NM_001081550.1	chrX
4010279	0.031331297	up	1.1879228	CNOT2	4848	CNOT2	4848	CNOT2	NM_014515.4	chr12
6280678	0.012248116	up	1.6284043	LOC729852	729852	LOC729852	729852	LOC729852	XR_040869.1	chr7
2750133	0.026107257	up	1.2942445	ZNF26	7574	ZNF26	7574	ZNF26	NM_019591.2	chr12
3780050	0.04075224	up	1.3663169	SNORD34	26817	SNORD34	26817	SNORD34	NR_000019.1	chr19
4830050	0.024581948	down	1.4639395	ZC3H7A	29066	ZC3H7A	29066	ZC3H7A	NM_014153.2	chr16
3710039	7.65E-04	up	1.3648802	MRPL54	116541	MRPL54	116541	MRPL54	NM_172251.1	chr19
4920224	0.001035468	up	1.6774678	LOC729903	729903	LOC729903	729903	LOC729903	XR_040892.1	chr19
2100576	0.020544833	up	1.2674705	ARAF	369	ARAF	369	ARAF	NM_001654.1	chrX
5290598	0.032250546	down	1.4971957	ABC9	23457	ABC9	23457	ABC9	NM_019624.2	chr12
6480390	0.004037058	up	1.3818309	LOC401238	401238	LOC401238	401238	LOC401238	XR_000272.2	chr6
2260703	0.014763525	up	1.7506429	MPHOSPH6	10200	MPHOSPH6	10200	MPHOSPH6	NM_005792.1	chr16
6370204	0.041762006	down	1.1413687	LOC653857	653857	LOC653857	653857	LOC653857	XM_936040.1	chr16
70044	0.012167512	down	1.1729944	JTB	10899	JTB	10899	JTB	NM_006694.2	chr1
2070367	0.025603345	down	1.284244	SERTAD2	9792	SERTAD2	9792	SERTAD2	NM_014755.1	chr2
2140026	0.020320164	down	1.1451325	ZC3H10	84872	ZC3H10	84872	ZC3H10	NM_032786.1	chr12
2100750	0.022182962	up	1.4458745	FKBP4	2288	FKBP4	2288	FKBP4	NM_002014.2	chr12
7100424	0.01955204	up	1.5254235	N-PAC	84656	N-PAC	84656	N-PAC	NM_032569.2	chr16

1090575	5.19E-04	down	2.3349376	WWC1	23286	WWC1	NM_015238.1	chr5
50050	0.03578023	down	1.2349217	AMD1	262	AMD1	NM_001033059.1	chr6
6130615	0.004415529	down	1.57437	PARP3	10039	PARP3	NM_001003931.1	chr3
7650519	0.021015406	up	1.3121825	DDX19-DDX19L	544314	DDX19-DDX19L	NM_001015047.1	chr16
1340739	1.27E-04	down	2.5169196	FAM160B1	57700	FAM160B1	NM_020940.3	chr10
1110114	0.008939616	up	1.5896177	DIMT1L	27292	DIMT1L	NM_014473.2	chr5
4830719	0.002503674	up	1.3358446	LOC652455	652455	LOC652455	XM_941904.1	chr5
7560189	0.016889887	down	1.8698398	RNF5P1	286140	RNF5P1	NR_003129.1	chr8
620280	0.004805454	down	1.7149837	JUND	3727	JUND	NM_005354.3	chr19
4890692	0.007394546	up	1.3330775	LOC285943	285943	LOC285943	XR_040116.1	chr1
3610228	0.015465668	down	3.005981	PEA15	8682	PEA15	NM_003768.2	chr3
6980653	4.20E-06	up	1.6516386	SNORA6	574040	SNORA6	NR_002325.1	chr3
5270397	0.007246914	up	1.2004341	LOC100131608	100131608	LOC100131608	XM_001715126.1	chr19
460180	4.29E-04	up	1.372942	SLC25A12	8604	SLC25A12	NM_003705.2	chr2
5260367	0.01682513	up	2.5078297	CDCP1	64866	CDCP1	NM_022842.3	chr3
6290603	0.009875995	up	1.440593	EIF3B	8662	EIF3B	NM_003751.3	chr7
6130762	0.014531194	up	1.6141691	CDK10	8558	CDK10	NM_001098533.1	chr16
4850521	0.00814615	up	1.5370259	NUP35	129401	NUP35	NM_138285.3	chr2
2100452	0.03985069	up	1.4794956	NUP35	129401	NUP35	NM_138285.3	chr2
6960373	0.013545523	up	1.1442142	LOC644191	644191	LOC644191	XM_930072.3	chr17
2340703	0.036197934	up	1.5058324	LOC100133372	100133372	LOC100133372	XR_039042.1	chr6
4010075	2.76E-04	up	1.3719337	XPR1	9213	XPR1	NM_004736.2	chr1
5290246	0.002630975	up	1.34577	XPR1	9213	XPR1	NM_004736.2	chr1
1580397	0.019395532	up	1.1647749	ISCA2	122961	ISCA2	NM_194279.1	chr14
5270541	0.012884731	up	1.4473436	GAPDHL6	729403	GAPDHL6	XM_001726954.1	chr15
6220719	0.014116955	up	1.2893931	STIM2	57620	STIM2	NM_020860.2	chr4
770379	0.00329624	up	1.3814389	PPWD1	23398	PPWD1	NM_015342.1	chr5
20040	0.036711883	down	2.0664194	PSEN2	5664	PSEN2	NM_000447.1	chr1
2600273	1.31E-04	up	1.2340575	CATSPER2	117155	CATSPER2	NM_172097.1	chr15
10187	0.01728582	down	1.3268254	CNPY3	10695	CNPY3	NM_006586.3	chr6
5220086	0.04142598	up	1.538534	HS.27048		HS.27048	AK056312	chr12
3890600	3.04E-04	up	1.6316192	TRIM28	10155	TRIM28	NM_005762.2	chr19
460563	0.001914913	up	1.27598	LOC731605	731605	LOC731605	XM_001732887.1	chr19
7610706	0.011706498	up	1.6154519	EEF1B2	1933	EEF1B2	NM_021121.3	chr2
7510273	0.001210105	down	1.5571196	TRIM39	56658	TRIM39	NM_172016.1	chr6
450468	0.017870612	up	1.3267411	MRPL44	65080	MRPL44	NM_022915.2	chr2
1660687	0.010463382	up	1.938245	NARG2	79664	NARG2	NM_001018089.1	chr15
6760255	0.008279239	down	1.7532829	MNT	4335	MNT	NM_020310.2	chr17
6580270	3.28E-04	down	5.2790685	LOC646723	646723	LOC646723	XR_017241.1	chr5
2510593	0.025475556	down	6.5507545	HRASLS3	11145	HRASLS3	NM_007069.2	chr11
4150193	0.01177637	down	1.723004	CD47	961	CD47	NM_198793.2	chr3
3130196	0.038241077	down	1.5657823	KCTD15	79047	KCTD15	NM_024076.1	chr19
3290739	6.36E-05	down	1.5669554	ARL2	402	ARL2	NM_001667.2	chr11
1820307	0.002850363	up	1.3999703	C19orf29	58509	C19orf29	NM_001080543.1	chr19
70243	0.016955864	up	1.2524029	C19orf29	58509	C19orf29	NM_001080543.1	chr19
4060468	5.22E-05	up	1.5584471	CENPL	91687	CENPL	NM_033319.1	chr1
7560707	0.0170044	up	1.5419528	LOC728953	728953	LOC728953	XM_001721287.1	chr17
3360286	0.037749786	up	1.3332459	ARL17B	641522	ARL17B	NM_001103154.1	chr17
6650379	0.018008508	up	1.2104077	SERTAD3	29946	SERTAD3	NM_203344.1	chr19
2510224	2.00E-07	up	3.1999974	ANKRD57	65124	ANKRD57	NM_023016.3	chr2
4610180	0.0261261	down	2.0186934	PIK3C2B	5287	PIK3C2B	NM_002646.2	chr1

1780661	0.005197604	down	1.3046358	MAN1B1	11253	MAN1B1	NM_016219.2	chr9
450010	0.01169288	up	1.4697975	LOC390578	390578	LOC390578	XR_016734.2	chr15
5090215	0.002876379	down	2.8510756	IF16	2537	IF16	NM_022873.2	chr1
5360070	0.002850363	up	1.5486126	CCNB2	9133	CCNB2	NM_004701.2	chr15
2000010	0.002209302	up	1.2848041	POLE	5426	POLE	NM_006231.2	chr12
6280242	0.035477247	up	2.14859	DUT	1854	DUT	NM_001025248.1	chr15
1430114	0.042780004	up	1.2087564	NAPG	8774	NAPG	NM_003826.1	chr18
5290592	0.001186606	up	1.2611102	NRBF2	29982	NRBF2	NM_030759.3	chr10
460682	0.00302539	up	1.2075477	CCDC132	55610	CCDC132	NM_017667.2	chr7
5860215	0.004758731	down	1.3605496	ABHD5	51099	ABHD5	NM_016006.3	chr3
5090050	0.006269427	up	1.227414	NDUFA12	55967	NDUFA12	NM_018838.3	chr12
290332	0.022157682	down	1.2547394	TAF13	6884	TAF13	NM_005645.3	chr1
4150553	0.04981294	down	1.2507361	TAF13	6884	TAF13	NM_005645.3	chr1
1240427	0.016843151	up	1.382362	LOC391777	391777	LOC391777	XR_040304.1	chr2
6940487	0.008347499	up	1.2716796	COL4A3BP	10087	COL4A3BP	CR933609	chr5
2630053	0.001127616	down	1.7214867	SLC39A3	29985	SLC39A3	NM_005713.1	chr19
4560671	0.003285032	up	1.4059169	SLC39A3	29985	SLC39A3	NM_144564.4	chr19
3890167	0.013420856	up	1.3349483	TROVE2	6738	TROVE2	NM_144564.4	chr1
3610470	0.0335015	up	1.4670329	SNORA7B	677797	SNORA7B	NM_004600.4	chr3
7570110	0.009840684	up	1.4298424	PHRF1	57661	PHRF1	NR_002992.2	chr3
1340047	0.016417854	down	1.1820871	SNORA70	26778	SNORA70	NM_020901.1	chr11
650278	0.043493427	up	1.5773542	HIST1H4E	8367	HIST1H4E	NR_000011.1	chrX
2230619	0.002386137	up	1.3443156	ECT2	1894	ECT2	NM_003545.3	chr6
6840215	0.006756311	down	1.3279847	PTPRE	5791	PTPRE	NM_018098.4	chr3
2490240	3.02E-04	up	2.786971	CTSA	5476	CTSA	NM_130435.2	chr10
6840246	0.012938686	down	1.821683	MSH5	4439	MSH5	NM_000308.2	chr20
3130326	0.005209516	down	1.6063316	NKX3-1	4824	NKX3-1	NM_172166.2	chr6
1110632	0.009410621	up	2.3706753	GMPPB	29925	GMPPB	NM_006167.2	chr8
4830458	0.038721032	down	1.5168496	GMPPB	29925	GMPPB	NM_021971.1	chr3
6020228	0.021004133	down	1.362927	GMPPB	29925	GMPPB	NM_021971.1	chr3
6660373	0.043666434	down	1.4853343	IKKB	3551	IKKB	NM_001556.1	chr8
7570274	0.02527697	up	1.438241	LOC100132948	100132948	LOC100132948	XM_001719272.1	chr9
1260576	0.004072364	down	1.2876123	C1orf198	84886	C1orf198	NM_032800.1	chr1
3710609	0.007290741	up	1.6553131	TSPAN17	26262	TSPAN17	NM_012171.1	chr5
2970368	0.040608406	up	1.3118514	ZW10	9183	ZW10	NM_004724.2	chr11
6520669	0.04227694	up	1.2089092	GALT	2592	GALT	NM_000155.2	chr9
5670609	0.049877502	down	1.2809138	PPP1R15B	84919	PPP1R15B	NM_032833.2	chr1
6370156	0.025256407	down	1.5020235	PPP1R15B	84919	PPP1R15B	NM_032833.2	chr1
7000639	0.02705121	up	1.2647742	RCADH5	642443	RCADH5	NM_032833.2	chr1
6280609	0.04606571	down	1.3385282	TSGA14	95681	TSGA14	XM_001714398.1	chr6
3610300	7.21E-05	down	3.407275	CCDC58	131076	CCDC58	NM_018718.1	chr7
1580608	0.005984669	up	1.3085558	SEMA3E	9723	SEMA3E	NM_001017928.2	chr3
20692	1.71E-05	down	1.6187551	HINT3	135114	HINT3	NM_012431.1	chr7
450292	0.016391292	down	3.6060493	TUBB2A	7280	TUBB2A	NM_138571.3	chr6
450687	0.009062624	up	1.4546686	ZNF225	7768	ZNF225	NM_001069.2	chr6
5270112	0.035290867	down	1.972348	HMGCS1	3157	HMGCS1	NM_013362.1	chr19
5690279	0.004414825	down	1.5750455	FARS2	10667	FARS2	NM_002130.6	chr5
6960170	0.0046173	up	1.3521892	C3orf19	51244	C3orf19	NM_006567.3	chr6
6980082	0.004673027	up	1.3665202	USP48	84196	USP48	NM_016474.3	chr3
1230025	0.034455277	down	2.7392435	CYB5R1	51706	CYB5R1	NM_001032730.1	chr1
6270278	0.014501427	up	1.8116885	RNF160	26046	RNF160	NM_016243.2	chr1
							NM_015565.1	chr21

6290021	0.025603345	down	1.3550425	PSMD7	5713	PSMD7	NM_002811.3	chr16
6250154	0.005130425	down	2.1931612	LZTFL1	54585	LZTFL1	NM_020347.2	chr3
3930253	0.04239681	up	1.282748	ZNF12	7559	ZNF12	NM_016265.3	chr7
6760707	0.001405309	up	1.4729397	LOC652685	652685	LOC652685	XM_942289.1	
5690563	0.026796449	down	1.3850678	PSPC1	55269	PSPC1	NR_003272.1	chr13
4040546	0.012013326	down	1.5445375	DNASE1L1	1774	DNASE1L1	NM_006730.2	chrX
6860500	7.21E-05	up	1.9759805	UBA1	7317	UBA1	NM_003334.3	chrX
1660593	6.10E-04	up	2.4803882	KIF21A	55605	KIF21A	NM_017641.2	chr12
450397	0.001498685	up	1.6515596	IFNAR2	3455	IFNAR2	NM_207585.1	chr21
990711	0.005473387	down	1.4855592	FAM45A	404636	FAM45A	NM_207009.2	chr10
6980097	0.002332955	up	1.3586177	NANP	140838	NANP	NM_152667.1	chr20
5050491	0.004217077	up	1.4486393	LOC645691	645691	LOC645691	XM_936790.3	
1240576	0.046752132	up	1.1923636	HSPC268	154791	HSPC268	NM_197964.1	chr7
1470184	0.006545063	up	1.7418997	CLSTN1	22883	CLSTN1	NM_001009566.1	chr1
4920440	0.015725518	up	1.4296863	CLSTN1	22883	CLSTN1	NM_001009566.1	chr1
2320324	0.037429817	up	1.4488968	C21orf59	56683	C21orf59	NM_017835.1	chr21
1170554	0.03015575	down	1.1568865	NAT10	55226	NAT10	NM_024662.1	chr11
6580608	5.85E-04	down	1.6887292	PEX16	9409	PEX16	NM_004813.1	chr11
1110072	6.20E-05	down	1.6410068	PEX16	9409	PEX16	NM_004813.1	chr11
4180709	0.043666434	up	1.2096962	SPAG5	10615	SPAG5	NM_006461.3	chr17
2060561	0.04002764	down	2.5641575	MAPK3	5595	MAPK3	NM_002746.1	
150292	5.75E-04	up	1.4085838	LOC644482	644482	LOC644482	XM_927612.1	chr1
3140711	0.009564891	up	1.7245392	ALG10	84920	ALG10	NM_032834.3	chr12
1070408	0.007837939	down	1.1394314	SLC25A26	115286	SLC25A26	NM_001009938.1	chr3
5310411	0.014103776	up	1.6372545	H2AFJ	55766	H2AFJ	NM_177925.2	chr12
5960324	0.028381027	down	1.2836268	ARL6IP1	23204	ARL6IP1	NM_015161.1	chr16
3310414	0.010060836	up	1.2099133	ZNF576	79177	ZNF576	NM_024327.1	chr19
5870687	0.037846614	up	1.4540331	ZNF629	23361	ZNF629	XM_034819.6	chr16
7570021	0.03963007	up	1.1485715	LOC400750	400750	LOC400750	XR_039444.1	chr1
840551	0.025238369	up	1.2785087	CEP27	55142	CEP27	NM_018097.1	chr15
4890195	0.036135282	up	1.4745095	COPS2	9318	COPS2	NM_004236.2	chr15
5360717	0.016854335	down	1.5036583	TBC1D10A	83874	TBC1D10A	NM_031937.1	chr22
1452009	0.024053957	up	1.422158	RING1	6015	RING1	NM_002931.3	chr6
5200719	0.048520133	down	1.43191	TRIOBP	11078	TRIOBP	NM_007032.5	chr22
5690274	1.23E-04	up	1.576293	MCM6	4175	MCM6	NM_005915.4	chr2
4060086	0.013970905	up	1.8390014	LOC100134393	100134393	LOC100134393	XR_037039.1	
2850142	0.006317033	up	1.2684591	LOC100129650	100129650	LOC100129650	XR_038694.1	
620168	0.021015406	up	1.4583528	ATG4A	115201	ATG4A	NM_178270.1	chrX
6060358	0.013540696	up	1.6140193	ATG4A	115201	ATG4A	NM_178270.1	chrX
2650753	4.69E-04	up	3.3969507	KIAA1324L	222223	KIAA1324L	NM_152748.2	chr7
4760112	0.006545063	up	1.4244574	ATP5J2	9551	ATP5J2	NM_001003714.1	chr7
580598	0.023113575	up	1.1529713	ANKZF1	55139	ANKZF1	NM_001042410.1	chr2
1990441	2.32E-04	down	1.6548973	TRIM27	5987	TRIM27	NM_006510.4	chr6
1240669	0.03604221	up	1.2185943	LOC100132585	100132585	LOC100132585	XM_001722111.1	chr7
1500661	0.007411361	up	1.8995882	DLEU2	8847	DLEU2	XR_001514.1	chr13
5890364	0.02324821	down	1.293382	LRRRC8A	56262	LRRRC8A	NM_019594.2	chr9
4490632	9.18E-04	up	1.449619	PAK4	10298	PAK4	NM_001014832.1	chr19
1430477	0.007118901	up	2.3015008	CTSL2	1515	CTSL2	NM_001333.2	chr9
1990372	0.01762187	up	1.6348851	LOC392301	392301	LOC392301	XR_017331.2	chr9
6520156	0.041548938	up	1.2193674	PRCC	5546	PRCC	NM_005973.4	chr1
3400086	0.008221825	up	1.4718546	LOC729082	729082	LOC729082	XR_040993.1	

6980487	0.042566188	up	1.1887829	MRPS12	6183	MRPS12	NM_021107.1	NM_021107.1	chr19
4920139	0.012874484	down	1.6167222	CSE1L	1434	CSE1L	NM_177436.1	NM_177436.1	chr20
50521	0.006807956	down	1.8362586	NECAB3	63941	NECAB3	NM_031231.3	NM_031231.3	chr20
4120411	0.027037697	down	2.4080172	ARHGFE2	9181	ARHGFE2	NM_004723.2	NM_004723.2	chr1
5090450	4.84E-04	up	1.5084734	DDX23	9416	DDX23	NM_004818.2	NM_004818.2	chr12
5260221	0.04529256	up	1.3680116	ATAD1	84896	ATAD1	NM_032810.2	NM_032810.2	chr10
5550673	2.80E-04	up	1.5904152	SIVA	10572	SIVA	NM_006427.2	NM_006427.2	chr14
4890112	0.0176412	down	1.3937407	ZNRD1	30834	ZNRD1	NM_014596.4	NM_014596.4	chr6
7040161	9.30E-04	up	2.0368779	HELLS	3070	HELLS	NM_018063.3	NM_018063.3	chr10
4540768	0.002271933	up	1.8864797	HELLS	3070	HELLS	NM_018063.3	NM_018063.3	chr10
6560041	0.019536627	up	1.5898544	IMP4	92856	IMP4	NM_033416.1	NM_033416.1	chr2
1190070	0.03697864	up	1.4400717	LOC652545	652545	LOC652545	XM_942035.1	XM_942035.1	
4220630	9.58E-05	up	1.2158543	PFDN5	5204	PFDN5	NM_145897.2	NM_145897.2	chr12
2230349	0.022586208	up	1.2584345	LOC100128525	100128525	LOC100128525	XM_001727022.1	XM_001727022.1	
4250711	0.029196873	up	1.6889778	GPR177	79971	GPR177	NM_024911.4	NM_024911.4	chr1
6220075	0.013713633	up	1.5335116	GPR177	79971	GPR177	NM_024911.4	NM_024911.4	chr1
1570553	0.04075224	up	1.2514926	IL8	3576	IL8	NM_000584.2	NM_000584.2	chr4
1980309	0.00257744	up	1.756598	IL8	3576	IL8	NM_000584.2	NM_000584.2	chr4
5290209	0.013301346	down	1.2342314	KIF13B	23303	KIF13B	NM_015254.2	NM_015254.2	chr8
5090440	0.003066673	up	1.4531664	CDKN2AIP	55602	CDKN2AIP	NM_017632.2	NM_017632.2	chr4
2570435	0.029296696	down	1.3807889	LETMD1	25875	LETMD1	NM_015416.3	NM_015416.3	chr12
1440612	0.043174226	down	3.0501802	BZW2	28969	BZW2	NM_014038.1	NM_014038.1	chr7
3800670	0.022191137	down	1.6156713	PXMP4	11264	PXMP4	NM_183397.2	NM_183397.2	chr20
1570242	0.03816792	up	1.2716544	ERCC8	1161	ERCC8	NM_003059.2	NM_003059.2	chr5
4850168	0.004106128	down	1.9760221	SLC22A4	6583	SLC22A4	NM_014300.2	NM_014300.2	chr15
2570088	0.004805454	up	1.4231122	SEC11A	23478	SEC11A	NM_080687.1	NM_080687.1	chr13
2070026	0.013011871	down	1.4354743	UPF3A	65110	UPF3A	NM_018648.3	NM_018648.3	chr15
6650703	2.62E-04	up	1.6435555	NOP10	55505	NOP10	NM_024094.1	NM_024094.1	chr8
3890372	0.013784313	up	1.5215304	DSCC1	79075	DSCC1	NM_024326.2	NM_024326.2	chr10
7160364	0.026459403	up	1.3214709	FBXL15	79176	FBXL15	NM_170587.1	NM_170587.1	chr8
6400403	9.17E-04	up	2.8803315	RGS20	8601	RGS20	NM_032409.2	NM_032409.2	chr1
2490259	1.89E-04	down	5.3665147	PINK1	65018	PINK1	NM_004193.1	NM_004193.1	chr10
6510192	0.006469562	up	1.5664046	GBF1	8729	GBF1	BC014384	BC014384	chr4
1980088	0.005649035	up	1.4576523	ANAPC4	29945	ANAPC4	NM_013367.2	NM_013367.2	chr4
6450021	0.037198022	up	1.2057492	MCM7	4176	MCM7	NM_182776.1	NM_182776.1	chr7
1470195	9.89E-04	up	1.6038426	BUD13	84811	BUD13	NM_032725.2	NM_032725.2	chr11
50487	0.0374092	up	1.2630632	WDR47	22911	WDR47	NM_014969.4	NM_014969.4	chr1
7040148	0.016314358	up	1.2370167	METRNL	284207	METRNL	XM_941466.2	XM_941466.2	
4150689	0.009824012	down	2.0537496	ZNF277	11179	ZNF277	NM_021994.2	NM_021994.2	chr7
5870180	0.001994846	up	1.7001354	BDP1	55814	BDP1	NM_018429.2	NM_018429.2	chr5
7570563	0.002503674	up	1.3029606	SON	6651	SON	NM_138927.1	NM_138927.1	chr21
5130543	0.0375257	up	1.2623286	SON	6651	SON	NM_138927.1	NM_138927.1	chr21
4040709	0.031435184	up	1.3373744	SON	6651	SON	NM_003059.2	NM_003059.2	chr5
6040398	0.001274366	down	1.771421	SLC22A4	6583	SLC22A4	NM_016080.2	NM_016080.2	chr17
5910543	0.03632118	up	1.289866	GLOD4	51031	GLOD4	NM_024884.1	NM_024884.1	chr14
7040433	2.27E-04	up	1.3460644	L2HGDH	79944	L2HGDH	XM_001128002.1	XM_001128002.1	chr5
580703	0.007980702	up	1.628965	LOC728153	728153	LOC728153	NM_006517.2	NM_006517.2	chrX
2650112	1.23E-05	down	2.6402261	SLC16A2	6567	SLC16A2	NM_032014.2	NM_032014.2	chr7
2680767	0.049194343	up	1.3867217	MRPS24	64951	MRPS24	NM_032926.2	NM_032926.2	chrX
730739	0.006464982	down	3.9146483	TCEAL3	85012	TCEAL3	NM_001032382.1	NM_001032382.1	chrX
3400196	0.016992245	up	1.5231123	PQBP1	10084	PQBP1			

5550475	0.00128401	up	1.2988979	VEZT	55591	VEZT	NM_017599.2	chr12
2120079	1.76E-04	up	1.5222416	EIF2AK2	5610	EIF2AK2	NM_002759.1	chr2
380682	0.022586208	up	1.1720248	RBM28	55131	RBM28	NM_018077.1	chr7
1110167	0.002648288	up	1.3258404	TATDN1	83940	TATDN1	NM_032026.1	chr8
7550563	0.033794593	down	1.2870166	TRPC4AP	26133	TRPC4AP	NM_015638.2	chr20
1810465	0.025335252	down	1.3896195	LOC728564	728564	LOC728564	XR_015319.1	chr4
2850082	6.62E-05	up	1.8628266	CHAC2	494143	CHAC2	NM_001008708.1	chr2
3420068	0.028183343	up	1.143587	HAT1	8520	HAT1	NM_003642.2	chr2
5270343	0.02841191	down	1.353586	IQCC	55721	IQCC	NM_018134.1	chr1
4810368	0.016230032	down	1.4454668	MIB1	57534	MIB1	NM_020774.2	chr18
4830500	0.046431497	up	1.110904	IPO4	79711	IPO4	NM_024658.3	chr14
5550278	0.025109595	up	1.3484133	ICAM3	3385	ICAM3	NM_002162.2	chr19
3830020	0.004001162	up	1.6720573	ORMDL2	29095	ORMDL2	NM_014182.4	chr12
4490092	0.001173031	up	1.230289	LOC728257	728257	LOC728257	XR_015365.2	chrX
4260477	0.003826622	up	1.4123185	TSPYL2	64061	TSPYL2	NM_022117.1	chrX
6650743	0.019988937	up	1.4419333	TSPYL2	64061	TSPYL2	NM_022117.1	chr15
2070450	0.003783253	up	1.2461413	PDE8A	5151	PDE8A	NM_173454.1	chr16
3180315	0.008786473	up	1.297359	ZNF319	57567	ZNF319	NM_020807.1	chr2
4290358	2.94E-04	up	1.4990387	CCT7	10574	CCT7	NM_001009570.1	chr2
2680131	0.005418005	up	2.5311484	PPFIBP1	8496	PPFIBP1	NM_003622.2	chr12
4010414	0.015530458	up	1.8305852	PPFIBP1	8496	PPFIBP1	NM_003622.2	chr12
7000743	4.69E-06	up	1.591368	ZWILCH	55055	ZWILCH	NR_003105.1	chr15
4920379	0.016857415	down	1.3808028	LOC401076	401076	LOC401076	XR_038201.1	chr6
1050300	8.65E-07	down	1.9900178	LOC100129958	100129958	LOC100129958	XM_001719102.1	chr11
1240446	5.52E-05	down	2.1561666	CAT	847	CAT	NM_001752.2	chr15
3940215	0.006411651	up	1.7079871	MTFMT	123263	MTFMT	NM_139242.2	chr15
4590139	0.006697733	up	1.228564	XRCC1	7515	XRCC1	NM_006297.1	chr19
5890564	0.011191471	up	1.4125584	ANKDD1A	348094	ANKDD1A	NM_182703.3	chr15
650338	0.004405735	up	1.219354	SEC13	6396	SEC13	NR_024273.1	chr3
3930279	9.31E-04	up	1.4564779	PTPN9	5780	PTPN9	XM_001128975.1	chr15
7150196	0.01024511	up	1.8885447	TMEM87A	25963	TMEM87A	NM_015497.2	chr11
6520386	0.006105247	down	1.5063727	LDHA	3939	LDHA	NM_005566.3	chr11
3060010	0.027238337	up	1.4105616	ANKRD36B	57730	ANKRD36B	NM_025190.2	chr2
290603	0.007377807	down	1.6138887	AARS	16	AARS	NM_001605.2	chr16
4640239	5.92E-04	up	1.5832053	UPF3B	65109	UPF3B	NM_023010.2	chrX
6520730	0.002532653	up	1.2137069	G3BP1	10146	G3BP1	NM_198395.1	chr5
130360	0.028696032	up	1.6871712	IDS	3423	IDS	NM_000202.3	chrX
2120341	0.003922806	up	1.2872599	BTBD12	84464	BTBD12	NM_032444.2	chr16
460114	0.013483636	up	1.2026163	SNRPF	6636	SNRPF	NM_003095.1	chr12
1030747	0.008729445	down	2.6955152	HLA-E	3133	HLA-E	NM_005516.4	chr6
4050452	0.004405735	up	1.5759889	PPA1	5464	PPA1	NM_021129.3	chr10
3170162	0.002667134	down	1.2777671	PRNP	5621	PRNP	NM_001080121.1	chr20
4230619	0.011938794	down	1.7629058	GCA	25801	GCA	NM_012198.2	chr2
6280300	0.017426085	up	1.3299023	PMS2L1	5379	PMS2L1	XM_945614.1	chr2
7380546	5.56E-05	down	2.1256337	FXYD5	53827	FXYD5	NM_014164.4	chr19
990056	9.72E-04	up	1.6692275	SFRS15	57466	SFRS15	NM_020706.1	chr21
1260164	0.037846614	up	1.294624	FBXO21	23014	FBXO21	NM_033624.2	chr12
2370494	0.034675233	up	1.2715238	FUBP3	8939	FUBP3	NM_003934.1	chr9
6380491	0.039130714	up	1.5780075	SNORD96B	692226	SNORD96B	NR_004379.1	chrX
2690273	0.004509003	up	1.739478	BCAP29	55973	BCAP29	NM_018844.2	chr7
7100288	0.009677058	up	1.5104419	CCT2	10576	CCT2	NM_006431.2	chr12

3520333	0.002231106	down	5.2000785	LOC399965	399965	LOC399965	XR_036921.1	XR_036921.1	chr21
5260280	0.001716533	up	1.3525798	SNORA80	677846	SNORA80	NR_002996.2	NR_002996.2	chr13
2940167	0.009609069	down	1.7312917	LOC651198	651198	LOC651198	XM_001715717.1	XM_001715717.1	chr16
3460132	0.013540696	up	1.2727475	PAQR4	124222	PAQR4	NM_152341.2	NM_152341.2	chr17
6660132	0.00461335	down	1.1979656	DCXR	51181	DCXR	NM_016286.2	NM_016286.2	chr20
4210241	0.004000571	down	1.3510857	PHF20	51230	PHF20	NM_016436.4	NM_016436.4	chr11
1240541	0.032879867	up	1.3153499	RBM4	5936	RBM4	NM_002896.1	NM_002896.1	chr13
6620538	0.016226629	down	4.187502	UBL3	5412	UBL3	NM_007106.2	NM_007106.2	chr11
2070332	0.047276456	down	1.5262796	UEVLD	55293	UEVLD	NM_018314.3	NM_018314.3	chr10
770307	0.005913383	down	1.3054942	LOC100130837	100130837	LOC100130837	XM_001717688.1	XM_001717688.1	chr19
1470332	0.002629238	down	1.742499	FXYD5	53827	FXYD5	NM_144779.1	NM_144779.1	chr6
620376	6.12E-05	down	2.181272	PPP1R11	6992	PPP1R11	NM_021959.2	NM_021959.2	chr5
6840520	0.018712955	up	1.5807081	LOC644037	644037	LOC644037	XR_017337.2	XR_017337.2	chr14
1030220	0.011485251	up	1.4477941	C14orf126	112487	C14orf126	NM_080664.2	NM_080664.2	chr3
5910039	0.04737857	down	1.3139416	NAT6	24142	NAT6	NM_012191.2	NM_012191.2	chr10
4780450	0.002146995	down	1.2780949	ATP5C1	509	ATP5C1	NM_005174.2	NM_005174.2	chr3
7150128	0.022996081	up	1.2151537	SGOL1	151648	SGOL1	NM_001012413.1	NM_001012413.1	chr1
4730451	0.021007525	up	1.9541818	LOC339535	339535	LOC339535	NR_015407.1	NR_015407.1	chr19
1190164	0.011571218	up	1.2918323	SPTBN4	57731	SPTBN4	NM_025213.2	NM_025213.2	chr5
2690703	0.003725706	up	1.2595319	SMN1	6606	SMN1	NM_000344.2	NM_000344.2	chr5
6400209	0.005467292	up	1.3126361	ERCC8	1161	ERCC8	NM_000082.2	NM_000082.2	chrX
3180242	4.71E-04	up	1.5116647	CXorf64	100130613	CXorf64	NM_001122716.1	NM_001122716.1	chr7
290162	0.049954113	up	1.6368805	LOC285176	285176	LOC285176	XM_937850.1	XM_937850.1	chr5
6250564	0.04138138	up	1.4190195	BCAP29	55973	BCAP29	NM_001008406.1	NM_001008406.1	chr19
4260364	0.028941622	up	1.1645013	PHAX	51808	PHAX	NM_032177.2	NM_032177.2	chr21
3800040	0.010053483	up	1.2138085	PHAX	51808	PHAX	NM_032177.2	NM_032177.2	chr15
770168	1.89E-04	up	1.3643696	CLPTM1	1209	CLPTM1	NM_001294.1	NM_001294.1	chr7
7050661	0.03763239	up	1.4771589	LOC284821	284821	LOC284821	XR_016232.1	XR_016232.1	chr5
2070747	1.89E-04	up	1.5710368	ZNF770	54989	ZNF770	NM_014106.2	NM_014106.2	chr19
2760164	0.004422766	down	1.2202845	DNAJB9	4189	DNAJB9	NM_012328.1	NM_012328.1	chr21
4590615	2.35E-04	up	1.5030497	C7orf59	389541	C7orf59	NM_001008395.2	NM_001008395.2	chr15
4920286	0.02228143	up	1.332194	C15orf44	81556	C15orf44	XM_001131371.1	XM_001131371.1	chr7
3800608	0.008592716	up	1.2985585	E2F8	79733	E2F8	NM_024680.2	NM_024680.2	chr11
940373	0.032250546	down	1.4598804	SLC41A3	54946	SLC41A3	NM_001008485.1	NM_001008485.1	chr3
1580246	0.001079865	down	3.2769506	LOC399959	399959	LOC399959	NR_024430.1	NR_024430.1	chr11
7100131	3.27E-05	up	1.7826654	BCS1L	617	BCS1L	NM_001079866.1	NM_001079866.1	chr2
6590441	0.009183293	up	1.2421407	TRIP12	9320	TRIP12	NM_004238.1	NM_004238.1	chr2
1430484	0.002304228	up	3.1345046	C21orf81	114035	C21orf81	NM_153750.1	NM_153750.1	chr21
4050435	0.040749792	up	1.0502102	LOC645715	645715	LOC645715	XR_017484.1	XR_017484.1	chr3
2750630	0.016126504	up	1.6318864	CCS	9973	CCS	XM_001129630.1	XM_001129630.1	chr16
6280482	5.54E-04	up	2.1174212	NIP7	51388	NIP7	NM_016101.3	NM_016101.3	chr6
3400438	6.62E-04	down	2.56301	HLA-A	3105	HLA-A	NM_002116.5	NM_002116.5	chr7
6100411	0.004087746	up	2.052801	FKBP14	55033	FKBP14	NM_017946.2	NM_017946.2	chr16
6350148	0.030712254	up	1.6066916	LOC652826	652826	LOC652826	XM_942509.2	XM_942509.2	chr2
5340291	0.030559486	up	1.4094666	KARS	3735	KARS	NM_005548.1	NM_005548.1	chr22
510274	0.029679831	up	1.4016428	LOC401010	401010	LOC401010	NR_002826.1	NR_002826.1	chr16
4640367	0.04981294	up	1.1275287	SFI1	9814	SFI1	NM_001007467.1	NM_001007467.1	chr2
580037	0.008860846	down	1.4115465	INO80E	283899	INO80E	NM_173618.1	NM_173618.1	chr22
3290039	0.010053483	up	1.2535104	LOC100129282	100129282	LOC100129282	XM_001714248.1	XM_001714248.1	chr16
7650414	0.003728719	down	1.5857722	FAM20B	9917	FAM20B	NM_014864.2	NM_014864.2	chr3
5310152	0.009596533	up	1.4716066	ABCE1	6059	ABCE1	NM_001040876.1	NM_001040876.1	chr1

1090543	0.005967202	up	1.4505396	ABCE1	6059	ABCE1	NM_001040876.1	chr4
6580521	1.27E-04	down	1.6178982	UBAC2	337867	UBAC2	NM_177967.2	chr13
1580301	0.009525343	up	1.2029841	ATP10A	57194	ATP10A	NM_024490.3	chr15
6400138	0.006807956	up	1.5073588	PRMT1	3276	PRMT1	NM_198319.2	chr19
450288	4.24E-04	up	1.280366	MRPL30	51263	MRPL30	NM_145212.2	chr2
4230259	0.017388996	up	1.3031237	BRCC3	79184	BRCC3	NM_024332.2	chrX
5700356	0.013713603	up	1.1786876	LOC100134363	100134363	LOC100134363	XM_001713689.1	chr17
5220187	9.17E-04	up	1.4282826	TMEM85	51234	TMEM85	NM_016454.2	chr1
6510437	0.003775443	up	1.2620546	HNRNPM	4670	HNRNPM	NM_005968.3	chr15
3190348	0.001252012	up	1.7704796	LOC440927	440927	LOC440927	NM_005968.3	chr19
6270615	0.008114188	up	1.3019207	GSDMB	55876	GSDMB	XM_944816.1	chr17
6280370	0.005535176	up	1.3844022	LOC646688	646688	LOC646688	NM_001042471.1	chr1
270259	0.007204538	up	1.3668935	NUDT1	4521	NUDT1	XR_038043.1	chr1
6250576	0.023094013	up	1.8863418	MRPL21	219927	MRPL21	NM_198954.1	chr7
1980239	0.017061241	up	1.2580419	LOC649553	649553	LOC649553	NM_181515.1	chr11
4830100	3.43E-05	up	1.5295271	HSP90AB1	3326	HSP90AB1	XR_038252.1	chr7
6660687	0.019395532	up	1.2782873	LOC100128585	100128585	LOC100128585	NM_007355.2	chr6
3800719	0.022189438	up	1.45982	FLJ22639	79854	FLJ22639	XR_039418.1	chr1
6770091	0.009900082	up	1.3689222	LOC642031	642031	LOC642031	XR_017960.1	chr1
6250180	0.03921988	up	1.3426324	HMG20A	10363	HMG20A	XR_017960.1	chr7
3060184	0.045131903	up	1.1880819	MRPL43	84545	MRPL43	NM_18200.2	chr10
5910059	0.044328324	up	1.4638629	MIR221	407006	MIR221	NM_032112.2	chr1
4640608	0.002926371	down	1.3259853	P76	196463	P76	NR_029635.1	chr15
6350048	0.04693697	up	1.4578803	LOC728739	728739	LOC728739	NM_173542.2	chr12
7050471	0.002109085	up	1.6728983	CCDC41	51134	CCDC41	XR_015689.1	chr12
2360138	0.014700993	down	1.1280206	ATP6V0C	527	ATP6V0C	NM_016122.2	chr12
3610397	0.003542063	down	1.2603928	ATP6V0C	527	ATP6V0C	XM_001130742.1	chr12
4760747	0.025223672	up	1.2902839	TPST1	8460	TPST1	XM_001130742.1	chr7
2030243	0.025685223	up	1.3798852	FTSJ2	29960	FTSJ2	NM_003596.2	chr7
520603	0.002947404	up	1.3513039	LOC401537	401537	LOC401537	NM_013393.1	chr7
4060546	0.007167025	down	1.6616786	PHYH	5264	PHYH	XR_038712.1	chr10
6770253	8.53E-04	up	2.50099	KIAA0101	9768	KIAA0101	NM_006214.3	chr15
626069	0.023970034	up	1.3109936	LOC387867	387867	LOC387867	NM_001029989.1	chr15
6760192	0.00814615	up	1.3058531	CHP	11261	CHP	XM_939738.2	chr15
2490397	2.33E-04	up	1.5774686	THOC2	57187	THOC2	NM_007236.3	chrX
6380037	0.001925256	up	1.3965876	LOC100130516	100130516	LOC100130516	NM_020449.2	chrX
4830279	0.028374283	up	1.186478	ZAK	51776	ZAK	XM_001720343.1	chr2
7320424	0.001252012	up	1.7885612	HNRPA1L-2	664709	HNRPA1L-2	NM_016653.1	chr19
5960341	0.01312652	up	1.2153784	OTUD4	54726	OTUD4	NR_002944.2	chr4
6380427	0.035990056	down	1.9601264	GIPC1	10755	GIPC1	NM_017493.4	chr19
7050646	0.040749792	down	1.1734773	ZNF836	162962	ZNF836	NM_202468.1	chr19
6590128	0.008533689	up	1.4946604	LOC100129934	100129934	LOC100129934	XM_001102657.1	chr19
4480722	0.003277113	up	1.5146505	ARL13B	200894	ARL13B	XR_039179.1	chr3
6860544	0.011229343	up	1.2848812	FOXK1	221937	FOXK1	NM_144996.2	chr7
6220278	0.003989267	down	3.0323172	TSPAN14	81619	TSPAN14	NM_001037165.1	chr10
2360379	6.48E-04	up	1.5903842	UBE3A	7337	UBE3A	NM_030927.1	chr15
1990307	9.05E-05	up	1.6915033	UBE3A	7337	UBE3A	NM_000462.2	chr15
7550767	0.003257092	up	1.3406079	LOC727866	727866	LOC727866	NM_000462.2	chrX
940148	0.00224326	down	1.5674231	ABTB2	25841	ABTB2	XM_001126035.1	chrX
3930059	0.028511334	down	1.9934499	E2F3	1871	E2F3	NM_145804.1	chr11
7560154	0.04870081	up	1.7081361	AGPS	8540	AGPS	NM_001949.2	chr6
							NM_003659.1	chr2

4890008	0.044274054	up	1.2882594	LOC653115	653115	LOC653115	XM_926415.1	chr3
2690370	0.005209516	up	1.353218	ZNF92	168374	ZNF92	NM_007139.2	chr7
5090647	2.22E-05	up	1.4416096	PSMD1	5707	PSMD1	NM_002807.2	chr2
5090020	0.025256407	down	1.4696262	SMG5	23381	SMG5	NM_015327.1	chr1
6760685	0.038950615	up	1.3273617	TAF1A	9015	TAF1A	NM_005681.2	chr1
2490044	0.002151808	up	1.6101354	C21orf66	94104	C21orf66	NM_058191.3	chr21
5490411	0.0025212642	up	1.2074056	CCDC22	28952	CCDC22	NM_014008.2	chrX
4490048	0.01632585	up	1.3479544	SNORD4A	26773	SNORD4A	NR_000010.1	chr17
730685	0.001565216	up	2.6750934	RGS19	10287	RGS19	NM_005873.2	chr20
6290494	6.58E-04	up	1.615804	MCM3	4172	MCM3	NM_002388.3	chr6
2000224	0.001161513	down	1.8087227	FAM89B	23625	FAM89B	NM_001098784.1	chr11
2570161	0.002323332	down	2.9465206	TPD52	7163	TPD52	NM_005079.2	chr8
6110634	0.008436898	up	1.5486379	ERLIN1	10613	ERLIN1	NM_006459.2	chr10
3800730	0.018427134	down	1.3392409	GNA13	10672	GNA13	NM_006572.3	chr17
6650161	0.01418294	down	1.2864499	GNA13	10672	GNA13	NM_006572.3	chr17
5810253	0.038038403	up	1.2724402	POLA1	5422	POLA1	NM_016937.2	chrX
1170528	2.38E-05	up	1.7294687	FANCB	2187	FANCB	NM_001018113.1	chrX
6380131	0.014763525	up	1.6072079	TAF1C	9013	TAF1C	NM_139353.1	chr16
2850092	0.001985898	up	1.8195589	BBS7	55212	BBS7	NM_176824.1	chr4
4560528	0.011200293	up	1.357319	POP5	51367	POP5	NM_198202.1	chr12
2640110	0.015377293	down	1.5028656	EXOC2	55770	EXOC2	NM_018303.4	chr6
6450010	0.03921988	up	1.1361248	LOC100129952	100129952	LOC100129952	XM_001723164.1	chrX
7050494	4.84E-04	down	1.577185	LAPTM4A	9741	LAPTM4A	NM_014713.3	chr2
1660196	3.28E-04	down	1.8133388	HK1	3098	HK1	NM_033500.1	chr10
2710142	0.03817956	down	1.8846456	IER5L	389792	IER5L	NM_203434.2	chr9
4880537	0.001078157	down	8.679494	LIMA1	51474	LIMA1	NM_016357.3	chr12
4850646	1.96E-04	down	1.8467889	ARRDC1	92714	ARRDC1	NM_152285.2	chr9
5960132	4.24E-04	up	2.069721	NOLC1	9221	NOLC1	NM_004741.1	chr10
450753	0.03663483	up	1.6031746	HIST1H2BC	8347	HIST1H2BC	NM_003526.2	chr6
1410097	4.69E-06	down	13.319046	KRT8P9	390601	KRT8P9	XR_017231.2	chr15
60092	2.82E-05	up	1.6613328	PUS1	80324	PUS1	NM_001002019.1	chr12
6100735	7.62E-04	up	1.6571926	PUS1	80324	PUS1	NM_001002019.1	chr12
2750189	9.98E-04	down	1.4442504	UPF2	26019	UPF2	NM_080599.1	chr10
5560347	0.026482433	down	1.1603012	UPF2	26019	UPF2	NM_080599.1	chr10
1780050	0.002324885	down	1.6188499	ZDHC20	253832	ZDHC20	NM_153251.2	chr13
3370280	0.004831708	up	1.4439602	MPP6	51678	MPP6	NM_016447.2	chr7
4060255	0.034682345	down	1.2093174	ZNRD1	30834	ZNRD1	NM_170783.1	chr6
4050673	6.43E-05	down	1.6240519	ZNRD1	30834	ZNRD1	NM_170783.1	chr6
1170215	0.002389233	up	1.3966792	BCAN	63827	BCAN	NM_021948.3	chr1
6330343	0.020594617	up	1.2073752	LOC400013	400013	LOC400013	XR_039228.1	chr13
540255	9.43E-04	up	1.420227	AARS2	57505	AARS2	NM_020745.2	chr6
5360221	1.08E-04	up	1.7448771	VBP1	7411	VBP1	NM_003372.4	chrX
4860358	2.20E-05	up	1.7162261	VBP1	7411	VBP1	NM_003372.4	chrX
2360082	8.33E-04	down	1.563449	LOC100134537	100134537	LOC100134537	XR_039501.1	chr7
6550022	0.02489298	up	1.1964265	LOC648294	648294	LOC648294	XR_018553.2	chr7
6900612	1.01E-04	down	1.575182	DSTN	11034	DSTN	XR_018553.2	chr20
3440544	0.006572552	up	1.3624972	HCCS	3052	HCCS	NM_005333.2	chrX
4920215	0.008262141	up	1.5740676	C9orf64	84267	C9orf64	NM_032307.3	chr9
4180110	0.0464981	up	1.7404293	RPL37A	6168	RPL37A	NM_000998.3	chr2
4480327	2.62E-04	up	1.6579134	MRPL32	64983	MRPL32	NM_031903.1	chr7
1450678	2.76E-04	up	2.2048573	RPAP1	26015	RPAP1	NM_015540.2	chr15

2470296	1.19E-04	down	3.0505774	ZSCAN16	80345	ZSCAN16	NM_025231.1	NM_025231.1	chr6
3130138	0.009277066	up	1.1722361	BRPF1	7862	BRPF1	NM_001003694.1	NM_001003694.1	chr3
6940484	0.015589401	down	1.6364665	ASPSCR1	79058	ASPSCR1	NM_024083.2	NM_024083.2	chr17
2650280	0.02029046	up	1.177798	OAZ3	51686	OAZ3	NM_016178.1	NM_016178.1	chr1
6020458	1.08E-06	down	2.1956782	NR2F2	7026	NR2F2	NM_021005.2	NM_021005.2	chr15
7380202	0.020359315	down	2.5724657	NR2F2	7026	NR2F2	NM_021005.2	NM_021005.2	chr15
2370255	0.040608406	up	1.5357231	ALDH18A1	5832	ALDH18A1	NM_002860.3	NM_002860.3	chr10
4260156	0.007009461	up	1.6089802	CISD2	493856	CISD2	NM_001008388.1	NM_001008388.1	chr4
2450301	0.01789055	up	1.1934562	LOC730029	730029	LOC730029	XM_001724848.1	XM_001724848.1	chr4
5870189	0.044828635	up	1.1699065	PPMIK	152926	PPMIK	NM_152542.2	NM_152542.2	chr2
6960189	0.004888125	up	1.3217717	CCDC138	165055	CCDC138	NM_144978.1	NM_144978.1	chr17
6590278	1.65E-04	up	1.7393901	CBX2	84733	CBX2	NM_005189.1	NM_005189.1	chr17
6660201	0.017388996	down	1.4585522	GCDH	2639	GCDH	NM_000159.2	NM_000159.2	chr19
1770360	0.006127508	up	1.554637	GATAD1	57798	GATAD1	NM_021167.3	NM_021167.3	chr7
4860575	1.02E-04	down	1.32244	C1orf218	54530	C1orf218	NM_019049.1	NM_019049.1	chr1
1030411	0.012938686	up	1.3989292	DNAJB14	79982	DNAJB14	NM_001031723.1	NM_001031723.1	chr4
430025	0.016952928	up	1.3218856	CSNK2A1	1457	CSNK2A1	NM_001895.3	NM_001895.3	chr20
130255	0.028241156	up	1.2989804	CSNK2A1	1457	CSNK2A1	NM_001895.3	NM_001895.3	chr20
6960685	0.009196333	up	1.4849795	ADIPOR2	79602	ADIPOR2	NM_024551.2	NM_024551.2	chr12
2850575	0.019750783	down	1.1806135	RRM1	6240	RRM1	NM_001033.2	NM_001033.2	chr11
2940201	0.01878105	down	1.5355779	C18orf32	497661	C18orf32	NM_001035005.2	NM_001035005.2	chr18
1770343	0.011191471	up	1.3359135	MBD6	114785	MBD6	NM_052897.3	NM_052897.3	chr12
7000193	0.025494838	down	1.6064361	HS.370359		HS.370359	BX537698	BX537698	chr9
4050270	0.009956031	up	1.3041182	LOC652481	652481	LOC652481	XM_941942.1	XM_941942.1	chr2
5820504	0.001745973	up	1.341333	LOC728944	728944	LOC728944	XM_001128859.1	XM_001128859.1	chr2
1470523	0.016384482	up	1.2590514	LOC728944	728944	LOC728944	XM_001128859.1	XM_001128859.1	chr2
6380458	0.024168743	up	1.4119519	ELF2	1998	ELF2	NM_006874.2	NM_006874.2	chr4
4280347	0.016854335	up	1.2888391	BAZ1B	9031	BAZ1B	NM_023005.2	NM_023005.2	chr7
7560471	0.03205585	down	2.0977457	MOBK2C	148932	MOBK2C	NM_145279.4	NM_145279.4	chr1
3180181	0.015145048	up	1.3727803	UBE2G1	7326	UBE2G1	NM_003342.4	NM_003342.4	chr17
1740494	0.001716533	up	1.6238441	TOMM40	10452	TOMM40	NM_006114.1	NM_006114.1	chr19
6290685	0.015145048	up	2.5176196	HIST1H2BJ	8970	HIST1H2BJ	NM_021058.3	NM_021058.3	chr6
2650201	0.01881204	up	1.3319956	EEF1B2	1933	EEF1B2	NM_001037663.1	NM_001037663.1	chr2
5900332	4.24E-04	up	1.4515232	CHMP1A	5119	CHMP1A	NM_002768.2	NM_002768.2	chr16
4760154	7.21E-05	down	1.4813598	CCNE2	9134	CCNE2	NM_057735.1	NM_057735.1	chr8
4920706	0.005909001	down	1.7068892	LOC7911120	7911120	LOC7911120	NR_015357.1	NR_015357.1	chr4
2470519	0.012227284	up	1.5161309	FRG1	2483	FRG1	NM_004477.2	NM_004477.2	chr1
4730739	0.007401505	up	1.6160524	RPS6KA1	6195	RPS6KA1	NM_002953.3	NM_002953.3	chrX
6380148	1.19E-04	up	1.5702763	FAM104B	90736	FAM104B	NM_138362.2	NM_138362.2	chr3
1850446	0.019259674	down	1.2030104	NME6	10201	NME6	NM_005793.3	NM_005793.3	chr2
2350121	0.033869036	up	1.3509642	LOC642678	642678	LOC642678	XM_926130.1	XM_926130.1	chr2
1170348	0.015725518	up	1.1763902	LOC729142	729142	LOC729142	XR_038876.1	XR_038876.1	chr20
3990202	0.04545714	down	1.1475909	HMGB1L1	10357	HMGB1L1	NM_001008735.1	NM_001008735.1	chr20
6330039	0.006544463	down	1.2745253	HMGB1L1	10357	HMGB1L1	NM_001008735.1	NM_001008735.1	chr20
780598	0.020923167	up	1.3601631	TBK1	29110	TBK1	NM_013254.2	NM_013254.2	chr12
3840678	3.15E-04	up	2.2368183	CARD10	29775	CARD10	NM_014550.3	NM_014550.3	chr22
4670670	0.001344187	up	1.2488496	CDC25A	993	CDC25A	NM_001789.2	NM_001789.2	chr3
2480341	0.004831708	up	1.3288589	CDC25A	993	CDC25A	NM_001789.2	NM_001789.2	chr3
6560136	0.017444316	down	1.6582289	CAST	831	CAST	NM_001042442.1	NM_001042442.1	chr5
1740020	6.21E-04	down	1.6676366	TMEM63A	9725	TMEM63A	NM_014698.1	NM_014698.1	chr1
6650035	0.049194343	down	1.7575729	LOC338758	338758	LOC338758	XM_931359.2	XM_931359.2	chr12

6560181	1.27E-04	down	1.6190655	MTIF3	219402	MTIF3	NM_152912.3	chr13
4890397	0.02545811	up	1.3592228	EWSR1	2130	EWSR1	NM_013986.2	chr22
5870746	0.015691983	up	1.2972592	PPP2R5A	5525	PPP2R5A	NM_006243.2	chr1
6940202	6.77E-04	up	1.4117184	R3HCC1	203069	R3HCC1	XM_939319.2	chr17
5310070	0.022995422	up	2.1494877	SHPK	23729	SHPK	NM_013276.2	chr6
6330538	0.002112281	up	1.4240063	MAD2L1BP	9587	MAD2L1BP	NM_014628.2	chr22
4860500	0.002555184	down	1.4364196	LOC652968	652968	LOC652968	NM_001037666.1	chrX
5260692	4.54E-04	up	1.5919394	U2AF1L2	8233	U2AF1L2	NM_005089.1	chr22
630446	0.006053823	down	1.2958883	C22orf25	128989	C22orf25	NM_152906.3	chr14
7550113	0.022208752	up	1.3928041	PARP2	10038	PARP2	NM_001042618.1	chr10
3440672	0.022000743	up	1.2603545	KIAA0261	23063	KIAA0261	NM_015045.1	chr10
6620056	0.013769013	up	1.2131315	C10orf61	26123	C10orf61	NM_001013840.1	chr10
6590167	0.010291386	up	1.3130121	LOC643624	643624	LOC643624	XM_945050.2	chr20
6980482	0.001107527	down	1.2586915	LOC100129759	100129759	LOC100129759	XM_001725425.1	chr3
5220754	0.041762006	down	1.4748654	ATG7	10533	ATG7	NM_006395.1	chr3
4490403	0.048856843	down	1.5582966	IQCB1	9657	IQCB1	NM_001023571.1	chr1
4670711	0.00249311	up	1.2683655	MTR	4548	MTR	NM_000254.1	chr22
6380563	1.06E-04	up	1.3855658	UCRC	29796	UCRC	NM_013387.3	chr22
7550768	0.00620165	up	1.2709119	UCRC	29796	UCRC	NM_013387.3	chr22
3400538	0.011263785	down	2.9936194	IGFBP7	3490	IGFBP7	NM_001553.1	chr4
5890259	0.03073562	up	1.1628191	CXorf40B	541578	CXorf40B	NM_001013845.1	chrX
130603	8.53E-04	down	1.8024253	DYNLRB1	83658	DYNLRB1	NM_014183.2	chr20
7210224	0.037134405	down	1.5392233	DYNLRB1	83658	DYNLRB1	NM_014183.2	chr20
4780047	5.88E-05	down	1.9737104	DYNLRB1	83658	DYNLRB1	NM_014183.2	chr20
6580369	1.60E-04	down	1.9864223	DYNLRB1	83658	DYNLRB1	NM_014183.2	chr20
3140364	0.019977534	down	1.3372098	PTPN12	5782	PTPN12	NM_002835.2	chr7
6250075	0.003627507	down	2.897779	DHTKD1	55526	DHTKD1	NM_018706.5	chr10
60427	3.72E-05	down	2.6222594	NUCB2	4925	NUCB2	NM_005013.2	chr11
2600035	0.008575415	up	1.3768861	NCL	4691	NCL	NM_005381.2	chr2
3780113	0.002565781	down	1.8851254	TAOK3	51347	TAOK3	NM_016281.3	chr12
6020743	0.00302539	up	1.1433212	LOC730313	730313	LOC730313	XM_001720253.1	chr7
2760537	3.67E-04	up	9.784706	MTE	644314	MTE	NM_175621.2	chr10
2070209	4.24E-04	up	1.5569642	BTAf1	9044	BTAf1	NM_003972.2	chr5
3450730	0.014526062	down	1.1864244	PRELID2	153768	PRELID2	NM_205846.1	chr13
1850068	0.001759604	down	1.612526	C13orf27	93081	C13orf27	NM_138779.2	chr12
5550608	0.037555903	up	1.1408069	IKZF4	64375	IKZF4	NM_022465.3	chr14
2070730	0.042705514	down	1.2173667	NGDN	25983	NGDN	NM_015514.1	chr1
5420289	1.63E-06	down	1.7603508	OSCP1	127700	OSCP1	NM_206837.1	chr1
3830400	0.001752553	down	1.8170245	OSCP1	127700	OSCP1	NM_206837.1	chr1
4040048	0.006246175	up	1.3662229	LOC653994	653994	LOC653994	XM_944439.2	chr2
4250452	0.00797271	up	1.504739	DNAJC10	54431	DNAJC10	NM_018981.1	chr1
6180670	0.002239856	down	1.4345716	PEF1	553115	PEF1	NM_012392.2	chr1
1260270	0.02332941	down	2.3343356	AIM2	9447	AIM2	NM_004833.1	chr11
290239	1.09E-06	down	3.577648	NAV2	89797	NAV2	NM_145117.3	chr11
4230195	5.30E-06	down	6.456738	NAV2	89797	NAV2	NM_145117.3	chr11
3850367	0.001561687	up	2.910113	LOC440160	440160	LOC440160	XM_498571.2	chrX
1710754	0.016299509	up	1.4451475	SLC25A14	9016	SLC25A14	NM_003951.2	chr14
1070288	0.026488796	up	1.5677614	METT11D1	64745	METT11D1	NM_022734.2	chr8
3290187	0.031434394	down	1.4562924	PCMTD1	115294	PCMTD1	NM_052937.1	chr3
2480170	0.00125324	up	1.6632278	VHL	7428	VHL	NM_198156.1	chr3
2490176	0.005913536	up	1.591578	VHL	7428	VHL	NM_198156.1	chr3

130619	0.00128401	up	1.723181	PRPS2	LOC100129361	100129361	LOC100129361	PRPS2	PRPS2	NM_001039091.1	NM_001039091.1	chrX
7000521	3.15E-04	up	1.7935476	PRPS2	PRPS2	5634	PRPS2	PRPS2	PRPS2	NM_001039091.1	NM_001039091.1	chrX
4490524	1.13E-04	down	1.714159	ACSS2	ACSS2	55902	ACSS2	ACSS2	ACSS2	NM_001076552.1	NM_001076552.1	chr20
2900193	0.002528306	up	1.5179275	TAF5	TAF5	6877	TAF5	TAF5	TAF5	NM_006951.3	NM_006951.3	chr10
3890025	0.0105155	up	1.7828863	TMSL3	TMSL3	7117	TMSL3	TMSL3	TMSL3	NM_183049.2	NM_183049.2	chr4
650086	0.010462087	up	1.4086739	LOC100129361	LOC100129361	100129361	LOC100129361	LOC100129361	LOC100129361	XM_001723199.1	XM_001723199.1	chr6
3370014	9.23E-05	up	1.9478278	HMG3	HMG3	9324	HMG3	HMG3	HMG3	NM_138730.1	NM_138730.1	chr15
4900670	0.024676703	up	1.5866228	COX5A	COX5A	9377	COX5A	COX5A	COX5A	NM_004255.2	NM_004255.2	chr15
4060044	0.022191137	up	1.2132148	LOC100130367	LOC100130367	100130367	LOC100130367	LOC100130367	LOC100130367	XR_039364.1	XR_039364.1	chr1
2970100	0.003979903	up	1.3093387	LOC652773	LOC652773	652773	LOC652773	LOC652773	LOC652773	XM_942415.1	XM_942415.1	chr1
1710242	0.025603345	down	1.8018798	C1orf59	C1orf59	113802	C1orf59	C1orf59	C1orf59	NM_144584.1	NM_144584.1	chr1
5870553	0.030654265	down	2.0101657	PTRF	PTRF	5792	PTRF	PTRF	PTRF	NM_130440.1	NM_130440.1	chr1
70070	1.30E-04	down	2.920885	GRINA	GRINA	2907	GRINA	GRINA	GRINA	NM_000837.1	NM_000837.1	chr8
2100333	0.012488754	up	1.2815089	ZFP1	ZFP1	162239	ZFP1	ZFP1	ZFP1	NM_153688.2	NM_153688.2	chr16
1780053	0.02229916	up	1.284783	ILF3	ILF3	3609	ILF3	ILF3	ILF3	NM_012218.2	NM_012218.2	chr19
990129	0.043919712	up	1.2413757	KIAA0586	KIAA0586	9786	KIAA0586	KIAA0586	KIAA0586	NM_014749.2	NM_014749.2	chr14
2490341	0.029379485	up	1.125623	LOC100129742	LOC100129742	100129742	LOC100129742	LOC100129742	LOC100129742	XR_037977.1	XR_037977.1	chr7
830463	0.004415529	up	2.654853	PRKAR1B	PRKAR1B	5575	PRKAR1B	PRKAR1B	PRKAR1B	NM_002735.1	NM_002735.1	chr3
6380296	6.71E-04	down	1.8634002	SELT	SELT	51714	SELT	SELT	SELT	NM_016275.3	NM_016275.3	chr3
1190202	6.62E-05	down	1.752249	SELT	SELT	51714	SELT	SELT	SELT	NM_016275.3	NM_016275.3	chr3
3130079	0.014294384	up	1.2656189	EIF2B2	EIF2B2	8892	EIF2B2	EIF2B2	EIF2B2	NM_014239.2	NM_014239.2	chr14
360370	0.022921927	up	1.8718554	ZNF138	ZNF138	7697	ZNF138	ZNF138	ZNF138	NM_006524.1	NM_006524.1	chr7
450315	2.50E-04	up	1.5379424	PQBPI	PQBPI	10084	PQBPI	PQBPI	PQBPI	NM_001032385.1	NM_001032385.1	chrX
1450470	0.009641502	up	1.3748648	LOC728686	LOC728686	728686	LOC728686	LOC728686	LOC728686	XR_038523.1	XR_038523.1	chr5
1170441	0.001636807	up	1.233949	LOC338870	LOC338870	338870	LOC338870	LOC338870	LOC338870	XR_038789.1	XR_038789.1	chr19
840403	0.006543477	up	1.5183018	TSPAN17	TSPAN17	26262	TSPAN17	TSPAN17	TSPAN17	NM_130465.3	NM_130465.3	chr21
1470315	7.27E-04	up	1.3521692	PIAS4	PIAS4	51588	PIAS4	PIAS4	PIAS4	NM_015897.2	NM_015897.2	chr1
5390338	0.021148534	up	1.2245334	DIP2A	DIP2A	23181	DIP2A	DIP2A	DIP2A	NM_206890.1	NM_206890.1	chr1
5690341	0.001716533	down	1.968001	HS.24119	HS.24119		HS.24119	HS.24119	HS.24119	BC043003	BC043003	chr12
4260671	0.002087565	up	1.4595394	AEBP2	AEBP2	121536	AEBP2	AEBP2	AEBP2	NM_153207.3	NM_153207.3	chr12
4220240	0.011968264	up	1.404675	LOC391044	LOC391044	391044	LOC391044	LOC391044	LOC391044	XR_019551.2	XR_019551.2	chr12
610370	0.03698366	up	1.3328001	DDX12	DDX12	440081	DDX12	DDX12	DDX12	XM_931833.1	XM_931833.1	chr12
5700286	5.75E-04	up	1.8533027	ABC7	ABC7	22	ABC7	ABC7	ABC7	NM_004299.3	NM_004299.3	chrX
4560242	2.86E-04	up	1.4478368	DDX19B	DDX19B	11269	DDX19B	DDX19B	DDX19B	NM_001014449.1	NM_001014449.1	chr16
6200743	0.006165981	up	1.3431371	CNPY4	CNPY4	245812	CNPY4	CNPY4	CNPY4	NM_152755.1	NM_152755.1	chr7
1450196	0.003129184	up	1.7887067	LOC732419	LOC732419	732419	LOC732419	LOC732419	LOC732419	XM_001718658.1	XM_001718658.1	chr1
6040747	0.029669592	up	1.3113195	AHCTF1	AHCTF1	25909	AHCTF1	AHCTF1	AHCTF1	NM_015446.3	NM_015446.3	chr1
4120563	2.03E-04	down	1.688733	DST	DST	667	DST	DST	DST	NM_001723.4	NM_001723.4	chr6
1780446	7.65E-04	down	3.1504123	PCK2	PCK2	5106	PCK2	PCK2	PCK2	NM_004563.2	NM_004563.2	chr14
5890338	0.036883	up	1.5140095	GUF1	GUF1	60558	GUF1	GUF1	GUF1	NM_021927.1	NM_021927.1	chr4
1340253	4.24E-04	up	1.618654	ZNRF3	ZNRF3	84133	ZNRF3	ZNRF3	ZNRF3	NM_032173.2	NM_032173.2	chr22
1070687	0.001258248	down	1.2856848	SPAG9	SPAG9	9043	SPAG9	SPAG9	SPAG9	NM_172345.1	NM_172345.1	chr17
4810646	1.55E-04	up	1.8267854	PIF1	PIF1	80119	PIF1	PIF1	PIF1	NM_025049.2	NM_025049.2	chr15
4860600	0.001704351	up	1.2805886	MAPK14	MAPK14	1432	MAPK14	MAPK14	MAPK14	NM_139013.1	NM_139013.1	chr6
1500609	0.003257092	down	1.8444699	GTF2H4	GTF2H4	2968	GTF2H4	GTF2H4	GTF2H4	NM_001517.4	NM_001517.4	chr6
6110332	0.021590808	up	2.217261	ARHGAP19	ARHGAP19	84986	ARHGAP19	ARHGAP19	ARHGAP19	NM_032900.4	NM_032900.4	chr10
110474	0.011777161	down	1.2476225	GSS	GSS	2937	GSS	GSS	GSS	NM_000178.2	NM_000178.2	chr20
6280048	0.048319034	down	1.8105047	FAM89A	FAM89A	375061	FAM89A	FAM89A	FAM89A	XM_939093.1	XM_939093.1	chr4
6860482	0.01418294	up	2.0410519	HERC6	HERC6	55008	HERC6	HERC6	HERC6	NM_017912.3	NM_017912.3	chr1
7000431	0.033442896	up	1.1847879	MPZL1	MPZL1	9019	MPZL1	MPZL1	MPZL1	NM_024569.3	NM_024569.3	chr1
3840040	0.02277787	up	1.1623069	CYCSP52	CYCSP52	360155	CYCSP52	CYCSP52	CYCSP52	NR_001560.1	NR_001560.1	chr1

2850021	0.03537453	down	2.568215	QSOX1	5768	QSOX1	NM_001004128.2	chr1
770037	1.56E-04	up	2.0301728	ZNF280C	55609	ZNF280C	NM_017666.2	chrX
2970762	1.27E-04	up	1.3923085	HCCS	3052	HCCS	NM_005333.2	chrX
5290402	0.03599495	up	1.2676497	EPHA10	284656	EPHA10	NM_173641.2	chr1
830730	0.005078709	down	1.3043272	ERP29	10961	ERP29	NM_006817.3	chr12
1580341	0.002555184	up	1.6841725	GPATCH4	54865	GPATCH4	NM_182679.1	chr1
4200672	0.018152751	up	1.7129412	STRAP	11171	STRAP	NM_007178.3	chr12
670609	0.008885479	up	1.4586768	RAB2B	84932	RAB2B	NM_032846.2	chr14
7570343	0.002345484	down	1.5377084	GTF2H1	2965	GTF2H1	NM_005316.2	chr11
3290446	0.03604221	up	1.364669	RPL36	25873	RPL36	NM_015414.2	chr19
3890681	0.004944824	down	1.7981976	SLC41A3	54946	SLC41A3	NM_017836.3	chr3
2630360	0.002038253	up	1.4822444	ZNF621	285268	ZNF621	NM_001098414.1	chr3
380685	0.004369367	up	1.4006236	SNORD3D	780854	SNORD3D	NR_006882.1	chr17
7160609	0.017797593	down	1.2074628	WDR51B	282809	WDR51B	NM_172240.1	chr12
2640487	0.002334839	down	1.7831947	CUL4A	8451	CUL4A	NM_003589.2	chr13
7200021	7.30E-06	down	1.779781	CUL4A	8451	CUL4A	NM_003589.2	chr13
2680164	0.014427316	up	1.2402849	C14orf102	55051	C14orf102	NM_199043.1	chr14
6370661	0.021727372	up	1.3149456	AP2S1	1175	AP2S1	NM_004069.3	chr19
5130139	0.018611409	up	1.5817479	HSBP1	3281	HSBP1	NM_001537.2	chr16
5490414	8.40E-06	down	4.552391	MBOAT1	154141	MBOAT1	NM_001080480.1	chr6
70603	0.001731206	down	2.3044276	CCDC50	152137	CCDC50	NM_174908.2	chr3
7000746	0.04516511	up	1.2776471	C3orf31	132001	C3orf31	NM_138807.2	chr3
3520041	0.040871948	up	1.3998312	SON	6651	SON	NM_032195.1	chr21
1110017	0.00735379	up	1.3438993	SON	6651	SON	NM_032195.1	chr21
7150673	0.02775856	up	1.3652598	PRRG1	5638	PRRG1	NM_000950.1	chrX
650369	0.005731846	up	1.5279316	PSMD8	5714	PSMD8	NM_002812.3	chr19
1230673	0.019051874	up	1.2555116	PPAN	56342	PPAN	NM_020230.4	chr19
3870056	0.020200651	up	1.2655622	NFYA	4800	NFYA	NM_002505.3	chr6
7150280	0.002376601	up	1.3321851	LOC145853	145853	LOC145853	XM_096885.9	chr15
5420243	0.048319034	down	1.4369175	MED15	51586	MED15	NM_001003891.1	chr22
3460669	0.010593117	up	1.6636602	PRMT1	3276	PRMT1	NM_198318.1	chr19
1170162	0.048520133	up	1.1823832	DSTYK	25778	DSTYK	NM_015375.2	chr1
2630369	0.037224453	up	1.252722	CHST14	113189	CHST14	NM_130468.2	chr15
7000470	0.012533658	up	1.3996006	KHSRP	8570	KHSRP	NM_003685.2	chr19
780184	0.024743013	down	1.2201166	PIBF1	10464	PIBF1	NM_006346.2	chr13
6040703	5.81E-04	down	1.89111	TRIM39	56658	TRIM39	NM_021253.2	chr6
5810598	0.004216527	up	1.7604996	HS.556082		HS.556082	BC017440	chr16
2350333	5.30E-06	down	2.675023	TEX2	55852	TEX2	NM_018469.3	chr17
6650541	2.48E-04	up	2.1866069	SP100	6672	SP100	NM_001080391.1	chr2
1440241	4.26E-05	down	1.9577557	CALHM2	51063	CALHM2	NM_015916.3	chr10
2970685	0.001328743	up	1.3422775	CLK3	1198	CLK3	NM_003992.2	chr15
2970397	0.021827817	up	1.6234993	ZNF296	162979	ZNF296	NM_145288.1	chr19
450615	0.005349183	up	2.7257385	MTZA	4502	MTZA	NM_005953.2	chr16
6860647	0.019356634	down	1.1679466	DCLRE1C	64421	DCLRE1C	NM_022487.2	chr10
1340349	0.035088085	up	1.4433228	SNUPN	10073	SNUPN	NM_001042588.1	chr15
4860722	0.033599786	up	1.4089155	LOC727773	727773	LOC727773	XM_001126273.1	chr2
2750025	0.01312652	down	1.1883184	PEX19	5824	PEX19	NM_002857.2	chr1
450653	0.005616046	up	1.4986908	PTPN14	5784	PTPN14	NM_005401.3	chr1
3370274	0.022618208	up	1.962408	ANKRD11	29123	ANKRD11	NM_013275.4	chr16
6100619	1.18E-04	down	1.8998605	LARP4B	23185	LARP4B	NM_015155.1	chr10
4220170	3.93E-04	up	1.5338871	SLC30A9	10463	SLC30A9	NM_006345.3	chr4

7330463	0.030659862	up	1.3055383	SNORA3	619562	SNORA3	NR_002580.1	NR_002580.1	chr11
1850612	0.007009461	up	1.4483019	PARP2	10038	PARP2	NM_005484.2	NM_005484.2	chr14
2760441	0.03805496	down	2.26001	LDOC1L	84247	LDOC1L	NM_032287.2	NM_032287.2	chr22
2060048	0.005731846	up	1.2992309	CHM	1121	CHM	NM_000390.2	NM_000390.2	chrX
780376	0.002268902	up	1.3759946	CHM	1121	CHM	NM_000390.2	NM_000390.2	chrX
2300189	4.95E-04	up	1.4399319	FKRP	79147	FKRP	NM_024301.3	NM_024301.3	chr19
5900575	0.04182269	down	1.7228076	CD276	80381	CD276	NM_001024736.1	NM_001024736.1	chr15
1780403	0.001258248	up	1.3815148	BTBD7	55727	BTBD7	NM_001002860.2	NM_001002860.2	chr14
2070520	1.15E-04	up	2.680518	CDC47	83879	CDC47	NM_031942.4	NM_031942.4	chr2
510554	1.89E-04	down	1.4286981	ARHGEF7	8874	ARHGEF7	NM_003899.2	NM_003899.2	chr13
2320445	0.015760122	down	1.2460675	ARHGEF7	8874	ARHGEF7	NM_003899.2	NM_003899.2	chr13
1980500	0.015377293	down	1.3206422	ZMAT2	153527	ZMAT2	NM_144723.1	NM_144723.1	chr5
6380291	0.003360203	up	1.3018081	NFU1	27247	NFU1	NM_001002755.1	NM_001002755.1	chr2
610367	0.042736515	down	1.353543	HECA	51696	HECA	NM_016217.2	NM_016217.2	chr6
6350075	1.93E-04	down	1.4878827	LOC728006	728006	LOC728006	NM_001128698.1	NM_001128698.1	chr16
620246	0.001258248	down	1.4737846	UBXN11	91544	UBXN11	NM_183008.2	NM_183008.2	chr1
5290538	0.007082929	down	1.7171782	PER3	8863	PER3	NM_016831.1	NM_016831.1	chr1
6450440	0.024777787	up	1.5158705	PTGR1	22949	PTGR1	NM_012212.2	NM_012212.2	chr9
2570332	0.016226629	up	1.5219347	PTGR1	22949	PTGR1	NM_012212.2	NM_012212.2	chr9
4200025	0.001255125	down	4.7901506	OAF	220323	OAF	NM_178507.2	NM_178507.2	chr11
4610754	0.012889023	up	1.3203753	LOC100127918	100127918	LOC100127918	XR_038502.1	XR_038502.1	chr19
4590121	0.011188056	up	1.2607033	TRAPPC2P1	10597	TRAPPC2P1	NR_002166.1	NR_002166.1	chr19
7040068	0.048600346	up	1.4054847	LOC653566	653566	LOC653566	NM_001080536.1	NM_001080536.1	chr15
5670121	0.029476292	up	1.2147912	GALK2	2585	GALK2	NM_001001556.1	NM_001001556.1	chr5
270215	0.017411608	up	1.3751016	ARS2	411	ARS2	NM_000046.2	NM_000046.2	chr15
520138	0.042448364	up	1.3613992	NEDD4	4734	NEDD4	NM_006154.2	NM_006154.2	chr15
5270682	1.62E-04	down	1.5959402	MAP7D3	79649	MAP7D3	NM_024597.2	NM_024597.2	chrX
6180619	0.013071884	up	1.2154363	UBE2M	9040	UBE2M	NM_003969.3	NM_003969.3	chr19
270019	0.01763818	up	1.1952664	GOSR1	9527	GOSR1	NM_004871.2	NM_004871.2	chr17
4260431	0.014595962	up	1.4725931	SNORD22	9304	SNORD22	NR_000008.1	NR_000008.1	chr11
7570228	0.008897665	up	1.8483373	LOC100134648	100134648	LOC100134648	XM_001724681.1	XM_001724681.1	chr7
6980497	0.013039619	up	1.4342324	H2AFX	3014	H2AFX	NM_002105.2	NM_002105.2	chr11
5090368	0.010593117	up	1.2911247	HSPA4	3308	HSPA4	NM_198431.1	NM_198431.1	chr5
3310228	0.04194915	up	1.9219685	C11orf67	28971	C11orf67	NM_024684.2	NM_024684.2	chr11
5310768	0.009244244	up	1.5426601	PAF1	54623	PAF1	NM_019088.2	NM_019088.2	chr19
6110487	0.001327247	down	2.7240531	PACSIN3	29763	PACSIN3	NM_016223.3	NM_016223.3	chr11
2690400	0.042448364	up	1.4215138	MRPS17	51373	MRPS17	NM_015969.2	NM_015969.2	chr7
5820050	0.017619539	up	1.2584782	DCTN2	10540	DCTN2	NM_006400.3	NM_006400.3	chr12
2900291	8.29E-05	down	1.7780068	ACOT8	10005	ACOT8	NM_005469.2	NM_005469.2	chr20
4200692	0.03989773	down	2.5238783	NEU1	4758	NEU1	NM_000434.2	NM_000434.2	chr6
460746	0.001212447	up	2.1537423	ALDH3A2	224	ALDH3A2	NM_001031806.1	NM_001031806.1	chr17
6060259	7.41E-04	up	1.5513384	LOC391670	391670	LOC391670	XR_038911.1	XR_038911.1	chr19
2350156	5.11E-05	down	3.1322956	NCRNA00085	147650	NCRNA00085	NR_024330.1	NR_024330.1	chr1
1090072	7.66E-06	down	1.5669758	KIAA0494	9813	KIAA0494	NM_014774.1	NM_014774.1	chr3
4290403	0.028324137	up	1.673567	CMTM7	112616	CMTM7	NM_181472.1	NM_181472.1	chr3
2140239	0.019217445	up	1.709814	CMTM7	112616	CMTM7	NM_181472.1	NM_181472.1	chr3
7000240	0.04985354	down	1.3870363	TTC14	151613	TTC14	NM_001042601.1	NM_001042601.1	chr3
6520402	0.004000571	up	1.6637288	LEMD3	23592	LEMD3	NM_014319.3	NM_014319.3	chr12
2640341	0.014064605	up	1.992792	FKBP5	2289	FKBP5	NM_004117.2	NM_004117.2	chr6
3190092	0.013540696	down	1.3858771	LDHA	3939	LDHA	NM_005566.1	NM_005566.1	chr11
2750750	0.004195327	up	1.8835212	UBE2G2	7327	UBE2G2	NM_003343.4	NM_003343.4	chr21

4010048	0.009751134	down	1.349364	NMD3	51068	NMD3	NM_015938.2	chr3
1340431	2.55E-04	up	1.7139602	MRPL42P5	359821	MRPL42P5	NR_002208.1	chr15
4900431	0.014739615	down	1.1922789	STUB1	10273	STUB1	NM_005861.2	chr16
1850445	0.008384883	down	1.2584801	STUB1	10273	STUB1	NM_005861.2	chr16
2190224	0.033381097	down	1.2431045	KIAA1128	54462	KIAA1128	NM_018999.1	chr10
7400619	0.001280498	up	1.4318604	SPATA5L1	79029	SPATA5L1	NM_024063.1	chr15
3940056	7.30E-06	down	2.0717018	AIG1	51390	AIG1	NM_016108.2	chr6
1690465	0.001386517	up	2.609131	LOC650369	650369	LOC650369	XR_018848.1	chr16
6980048	0.001915285	up	1.6005741	GOT2	2806	GOT2	NM_002080.2	chr17
3710719	0.008571137	down	1.265476	MRPL45	84311	MRPL45	NM_032351.3	chr17
7570315	0.008114188	down	1.2829039	MRPL45	84311	MRPL45	NM_032351.3	chr19
3780220	0.024583532	up	1.2294245	RPL18	6141	RPL18	NM_000979.2	chr15
2680129	7.17E-05	up	1.6223782	ZNF609	23060	ZNF609	NM_015042.1	chr15
1810692	3.48E-04	up	1.4051211	LOC728127	728127	LOC728127	XR_015281.1	chr10
5690132	0.016894322	down	1.5264516	FAM195A	84331	FAM195A	NM_138418.2	chr16
5310379	0.025238369	down	1.212191	TMEM115	11070	TMEM115	NM_007024.4	chr3
3130324	0.025676034	up	1.2534897	LOC389404	389404	LOC389404	XR_018133.2	chr12
4890750	0.007749118	up	1.7624706	DDX11	1663	DDX11	NM_030653.3	chr4
70161	0.03896007	down	1.9235107	PKD2	5311	PKD2	NM_000297.2	chr4
5490440	0.043666434	up	1.2934195	RCADH5	642443	RCADH5	XM_001717469.1	chr4
1780673	0.016243324	up	1.7594054	SAP30	8819	SAP30	NM_003864.3	chr4
3840386	0.00137199	up	1.5401555	STIM2	57620	STIM2	NM_020860.1	chr4
6770204	8.73E-05	up	1.4856167	MEN1	4221	MEN1	NM_130799.1	chr11
7560731	0.022202384	up	1.3094062	SNORA64	26784	SNORA64	NR_002326.1	chr16
9600181	0.01109429	up	1.1174076	RPS12	6206	RPS12	NM_001016.3	chr6
4040711	3.04E-04	up	1.5975417	PSMA4	5685	PSMA4	NM_002789.3	chr15
3420543	3.87E-04	up	1.6031199	PSMA4	5685	PSMA4	NM_002789.3	chr15
7320731	0.014262165	up	1.2701799	MAP3K4	4216	MAP3K4	NM_005922.2	chr6
4810438	3.49E-04	down	1.7901249	MAN2B2	23324	MAN2B2	NM_015274.1	chr4
460246	0.00729125	up	1.2520026	SNORD50B	692088	SNORD50B	NR_003044.3	chr6
3830672	0.030114485	down	1.5815401	ARP11	653857	ARP11	XR_041999.1	chr7
1740433	0.004415529	up	1.704556	MSL3L1	10943	MSL3L1	NM_078629.1	chrX
5490086	0.03935789	up	1.3178561	CTU2	348180	CTU2	NM_001012762.1	chr16
380491	0.026810328	down	1.2262856	LOC389435	389435	LOC389435	NM_001089587.1	chr16
3440224	0.04256263	up	1.445701	YRDC	79693	YRDC	NM_024640.3	chr1
6380639	0.009043708	up	1.2152901	RPLP1	6176	RPLP1	NM_213725.1	chr15
6940343	0.004000571	up	2.3393755	FAM60A	58516	FAM60A	NM_021238.2	chr12
630601	0.04642618	up	1.4901863	2-Sep	4735	2-Sep	NM_004404.3	chr2
5270156	7.65E-04	up	1.5694958	BCCIP	56647	BCCIP	NM_078469.1	chr10
940576	0.022826668	up	1.3172028	ZSCAN21	7589	ZSCAN21	NM_145914.2	chr7
50240	6.64E-04	up	1.6898729	NDUFA3	4696	NDUFA3	NM_004542.2	chr19
5290215	0.005349183	up	1.436116	CLASP1	23332	CLASP1	NM_015282.1	chr2
5870161	0.005621845	up	1.22531	LOC100130701	100130701	LOC100130701	XM_001717180.1	chr2
6200402	5.62E-04	up	3.228061	MT1A	4489	MT1A	NM_005946.2	chr16
5860327	0.001242868	down	1.4007423	PRPF18	8559	PRPF18	NM_003675.3	chr10
5270241	0.004212772	down	1.797838	STK10	6793	STK10	NM_005990.3	chr5
6020411	5.35E-04	up	1.3840145	LOC100130008	100130008	LOC100130008	XM_001724677.1	chr21
5870576	0.043213475	down	1.1793876	C21orf33	8209	C21orf33	NM_198155.1	chr8
5360379	0.028941622	down	1.3557897	RAB2A	5862	RAB2A	NM_002865.1	chr17
7050500	0.025710247	up	1.3059626	ARL16	339231	ARL16	NM_001040025.1	chrX
1510543	7.65E-04	down	2.0192397	DNASE1L1	1774	DNASE1L1	NM_001009934.1	chrX

380192	0.014600095	up	1.1769844	LOC729898	729898	LOC729898	XM_001134101.1	chr2
1190246	0.00105359	down	1.4643364	FBXL10	84678	FBXL10	NM_032590.3	chr12
5360630	0.04156183	up	1.4673585	C16orf80	29105	C16orf80	NM_013242.2	chr16
3390053	0.003928417	down	1.43663	ZKSCAN4	387032	ZKSCAN4	NM_019110.3	chr6
2570450	0.043851543	up	1.1994928	TIMM23B	653252	TIMM23B	XM_001715214.1	chrX
5550377	0.001046661	up	1.8240818	NDUFB11	54539	NDUFB11	NM_019056.3	chr5
2000228	0.023136092	down	1.4144794	FEM1C	56929	FEM1C	NM_020177.2	chr3
1450370	0.002857126	up	1.3974757	DCP1A	55802	DCP1A	NM_018403.4	chr3
3840215	0.02092173	down	1.6325331	FAM102A	399665	FAM102A	NM_001035254.1	chr9
1850546	0.002334839	down	1.6684287	FAM102A	399665	FAM102A	NM_001035254.1	chr9
6100414	0.001088152	up	1.5866528	UPRT	139596	UPRT	NM_145052.1	chrX
2630601	0.001778149	up	1.2376349	HS_475334		HS_475334	D87470	chr11
20044	2.60E-04	down	49.67894	LOC644743	644743	LOC644743	XR_016703.1	chr1
2900398	1.39E-04	up	1.4093158	PHF6	84295	PHF6	NM_032335.2	chrX
1110435	0.007377807	up	1.3321129	CCDC132	55610	CCDC132	NM_024553.2	chr7
2940301	0.037051618	up	1.4125884	HPS6	79803	HPS6	NM_024747.4	chr10
50382	0.009121613	up	1.4647079	PSMC3IP	29893	PSMC3IP	NM_013290.5	chr17
7610494	0.001274527	up	1.3656358	CDC44	55038	CDC44	NM_017955.2	chr14
830634	0.032820005	up	1.655108	USP24	23358	USP24	NM_015306.1	chr1
6940356	4.43E-04	up	1.2640386	PREP	5550	PREP	NM_002726.3	chr6
1410528	0.00713236	up	1.313636	POP4	10775	POP4	NM_006627.1	chr19
1740673	0.001159832	up	1.4290316	LOC399942	399942	LOC399942	XM_934471.1	chr11
1400228	1.08E-06	down	2.0153766	MIR1228	100302201	MIR1228	NR_031597.1	chr11
6180373	0.03357587	up	1.3912938	RPL23A	6147	RPL23A	NM_000984.5	chr17
4920408	0.017789058	up	1.386083	TMEM120A	83862	TMEM120A	NM_031925.1	chr7
6270634	6.49E-07	down	2.1505558	ORC5L	5001	ORC5L	NM_002553.2	chr7
3800110	0.003708785	up	1.8107283	ORC5L	5001	ORC5L	NM_002553.2	chr7
4010201	8.51E-04	up	1.9916644	ORC5L	5001	ORC5L	NM_002553.2	chr7
630072	0.002866951	up	1.3277867	LOC645159	645159	LOC645159	XM_928195.2	chr1
650326	0.019536627	up	1.6730254	TFAM	7019	TFAM	NM_003201.1	chr10
5960017	0.007396932	up	1.327129	DRG2	1819	DRG2	NM_001388.3	chr17
6060201	1.27E-04	up	1.7936362	DDX18	8886	DDX18	NM_006773.3	chr2
150075	0.006451139	up	1.6623421	PMS2L5	5383	PMS2L5	NM_174930.2	chr7
1400519	0.006225777	up	1.3621746	PMS2L5	5383	PMS2L5	NM_174930.2	chr7
6100154	0.02792203	up	1.672628	C2orf44	80304	C2orf44	NM_025203.1	chr2
6650382	1.97E-04	up	1.6941758	TMEM33	55161	TMEM33	NM_018126.1	chr4
510162	2.00E-04	up	1.5886292	ELK1	2002	ELK1	NM_005229.2	chrX
870379	0.005997445	up	1.750714	ZFAND2A	90637	ZFAND2A	NM_182491.1	chr7
2070095	0.045040995	up	1.1749576	HIF1AN	55662	HIF1AN	NM_017902.2	chr10
2940196	0.009145998	up	1.3046465	KIAA0174	9798	KIAA0174	NM_014761.2	chr16
4610403	0.003817383	down	1.3384634	NEURL1B	54492	NEURL1B	NM_001142651.1	chr5
6450326	0.003261156	down	1.324738	CHMP5	51510	CHMP5	NM_016410.2	chr9
670332	0.013065169	down	1.3302369	NPEPPS	9520	NPEPPS	NM_006310.2	chr17
1050681	0.028183343	up	1.4485447	ZNF286A	57335	ZNF286A	NM_020652.1	chr17
3870601	0.040383015	down	2.4254303	MAPK3	5595	MAPK3	NM_001040056.1	chr16
630091	1.63E-05	down	5.095043	NCOA7	135112	NCOA7	NM_181782.2	chr6
1050021	1.40E-04	up	1.6494547	PGAM5	192111	PGAM5	XM_001126125.1	chr5
6660086	0.005889876	up	1.377374	LOC441089	441089	LOC441089	NR_003665.1	chr5
150681	0.041625686	up	1.3337684	ZNHIT6	54680	ZNHIT6	NM_017953.2	chr1
270168	0.04194915	up	1.3782586	HLA-DRA	3122	HLA-DRA	NM_019111.3	chr6
5860730	0.005349183	up	1.2423568	ZFAND6	54469	ZFAND6	NM_019006.2	chr15

3180554	4.94E-05	down	1.8278137	PIGU	128869	PIGU	NM_080476.4	NM_080476.4	chr20
4830343	0.003664457	up	1.7982076	ORC6L	23594	ORC6L	NM_014321.2	NM_014321.2	chr16
1470259	0.00740424	up	1.2112113	EXOC7	23265	EXOC7	NM_001013839.1	NM_001013839.1	chr17
5700519	0.001885558	down	1.4080998	GRK6	2870	GRK6	NM_002082.2	NM_002082.2	chr5
5940435	0.040188435	down	2.4779212	EMP1	2012	EMP1	NM_001423.1	NM_001423.1	chr12
3220767	0.002112281	down	2.077936	FLNB	2317	FLNB	NM_001457.1	NM_001457.1	chr3
4570110	0.008089663	up	1.5880826	RNU105A	26768	RNU105A	NR_004404.1	NR_004404.1	chr1
3840689	0.001445783	down	1.4891151	PIGT	51604	PIGT	NM_015937.3	NM_015937.3	chr20
2940452	0.007921547	up	1.3133698			HS.213541	AK056642		chr12
4230373	2.43E-04	down	2.1087296	MAP3K1	4214	MAP3K1	NM_005921.1	NM_005921.1	chr5
2120280	7.72E-05	down	1.3169168	LOC400657	400657	LOC400657	NM_001008234.1	NM_001008234.1	chr18
4230564	5.74E-04	down	1.5307106	ATP2B1	490	ATP2B1	NM_001001323.1	NM_001001323.1	chr12
2470367	0.001793844	down	2.1196568	INPPL1	3636	INPPL1	NM_001567.2	NM_001567.2	chr11
6510044	0.023277361	up	1.2234712	TPRKB	51002	TPRKB	NM_016058.1	NM_016058.1	chr2
630204	0.048217457	up	1.1291283	RAC1	5879	RAC1	NM_006908.3	NM_006908.3	chr7
6110494	0.017609863	down	2.5880325	GNAQ	2776	GNAQ	NM_002072.2	NM_002072.2	chr9
2510553	0.01168977	up	1.2177913	DDX19B	11269	DDX19B	NM_001014451.1	NM_001014451.1	chr16
4860064	5.54E-04	up	1.3498168	DDX19B	11269	DDX19B	NM_001014451.1	NM_001014451.1	chr16
290180	0.020320164	up	1.4263833	LOC647030	647030	LOC647030	XR_041205.1	XR_041205.1	chr19
6380093	0.013704349	up	1.2474455	PLD3	23646	PLD3	NM_001031696.1	NM_001031696.1	chr19
4210524	0.023875842	down	2.044428	RND3	390	RND3	NM_005168.3	NM_005168.3	chr2
2030433	0.033640914	up	1.3892157	HSCB	150274	HSCB	NM_172002.3	NM_172002.3	chr22
2100563	0.03599495	up	1.422421	QTRT1	81890	QTRT1	NM_031209.1	NM_031209.1	chr19
5700142	0.013553537	down	2.2082696	FDFT1	2222	FDFT1	NM_004462.3	NM_004462.3	chr8
4050102	0.02705121	down	1.6967223	RAB11FIP1	80223	RAB11FIP1	NM_025151.3	NM_025151.3	chr8
1430300	5.84E-04	up	1.3161454	LOC100129933	100129933	LOC100129933	XR_037049.1	XR_037049.1	chr19
4290102	8.21E-04	up	1.8820034	LOC644563	644563	LOC644563	XR_018203.2	XR_018203.2	chr2
7150689	0.043109115	up	1.2904292	LOC644907	644907	LOC644907	NM_001090027.1	NM_001090027.1	chr7
5360086	9.43E-04	up	1.497914	WDR82	80335	WDR82	NM_025222.3	NM_025222.3	chr3
5360326	0.042054437	down	1.2475544	SIP1	8487	SIP1	NM_001009182.1	NM_001009182.1	chr14
1340228	0.032365233	up	1.2447119	HSPBP1	23640	HSPBP1	NM_012267.3	NM_012267.3	chr19
2570609	0.004212772	up	1.4968785	SNORA26	677810	SNORA26	NR_003016.1	NR_003016.1	chr4
3830653	0.038070858	up	1.4579123	DNAJB2	3300	DNAJB2	NM_006736.5	NM_006736.5	chr2
4900408	0.014636903	down	1.2134427	LOC730107	730107	LOC730107	XM_001721064.1	XM_001721064.1	chr2
2810491	0.013098165	down	1.8041315	RFP	5987	RFP	NM_030950.2	NM_030950.2	chr6
1010139	5.45E-05	down	2.834858	LHFP	10186	LHFP	NM_005780.1	NM_005780.1	chr13
7650424	0.005173171	up	1.7575407	LOC644131	644131	LOC644131	XR_017481.1	XR_017481.1	chr1
6420541	0.03455886	up	1.2847492	UBL5	59286	UBL5	NM_001048241.1	NM_001048241.1	chr19
3290768	0.009277066	up	1.3837718	ZNF317	57693	ZNF317	NM_020933.2	NM_020933.2	chr19
5260168	0.017776633	up	1.5577351	PMS2	5395	PMS2	NR_003085.1	NR_003085.1	chr7
1260022	3.40E-04	up	1.6747911	C12orf10	60314	C12orf10	NM_021640.3	NM_021640.3	chr7
3850168	0.04820152	down	2.3268003	LOC644936	644936	LOC644936	NR_004845.1	NR_004845.1	chr12
3610753	0.005340639	up	1.6973709	LOC85389	85389	LOC85389	NR_001453.1	NR_001453.1	chr5
5820343	9.33E-04	down	1.8589302	ERCC5	2073	ERCC5	NM_000123.2	NM_000123.2	chr11
460435	0.004476417	down	1.3672235	THAP7	80764	THAP7	NM_001008696.1	NM_001008696.1	chr13
3440201	2.83E-04	up	1.5601287	TTC5	91875	TTC5	NM_138376.1	NM_138376.1	chr14
7610553	0.047646526	up	1.1223062	FLJ44054	643365	FLJ44054	NR_024609.1	NR_024609.1	chr13
7610615	1.47E-05	up	3.5259552	SLC6A10P	386757	SLC6A10P	NR_003083.2	NR_003083.2	chr16
5720491	8.66E-04	up	1.8404441	LOC728640	728640	LOC728640	XR_015474.1	XR_015474.1	chr10
2650400	0.013795789	up	1.4224279	LOC648249	648249	LOC648249	XM_944165.1	XM_944165.1	chr10
5390202	0.032601252	down	1.4259559	TMED9	54732	TMED9	NM_017510.4	NM_017510.4	chr5

2810315	0.002340219	down	5.259891	S100A6	6277	S100A6	NM_014624.3	chr1
10452	0.04462668	down	1.3449632	EAPP	55837	EAPP	NM_018453.3	chr14
6020735	9.23E-05	up	2.1478388	GINS2	51659	GINS2	NM_016095.1	chr16
4230470	9.85E-04	down	3.016487	CHES1	1112	CHES1	NM_005197.2	chr14
3390110	2.83E-05	up	1.6338677	WDR33	55339	WDR33	NM_001006622.1	chr2
3400356	6.59E-05	up	1.6420478	WDR33	55339	WDR33	NM_001006622.1	chr2
5490202	0.001832142	up	1.2782769	LOC646688	646688	LOC646688	XR_037673.1	
2640670	0.011563058	down	2.4101355	IDI1	3422	IDI1	NM_004508.2	chr10
7040682	0.026999826	down	4.4752927			HS:25318	AFI31784	chr18
6130156	0.020807687	down	2.332943	RAB11FIP1	80223	RAB11FIP1	NM_001002814.1	chr8
1770703	0.017953001	down	2.3023005	VKORC1	79001	VKORC1	NM_024006.4	chr16
6450546	0.002859929	down	2.4523067	VKORC1	79001	VKORC1	NM_024006.4	chr16
650259	0.016077882	up	1.2668715	ATP5J	522	ATP5J	NM_001003703.1	chr21
4150017	0.019536627	down	1.7941211	PAQR7	164091	PAQR7	NM_178422.4	chr1
4810128	0.002209302	down	1.9681052	PHLDA2	7262	PHLDA2	NM_003311.3	chr11
6560468	0.001196327	up	1.4309461	INTS9	55756	INTS9	NM_018250.1	chr8
2060136	1.60E-04	up	1.3276838	ATG4B	23192	ATG4B	NM_178326.2	chr2
1690435	1.48E-04	up	1.4291157	LOC441506	441506	LOC441506	XR_017565.2	chr16
1450326	5.35E-04	up	1.5194788	HNRNPA1L2	144983	HNRNPA1L2	NM_001011724.1	chr13
5560075	0.010993247	up	1.705084	MFGE8	4240	MFGE8	NM_005928.1	chr15
4830682	1.55E-04	down	1.6455003	CCDC92	80212	CCDC92	NM_025140.1	chr12
5220347	0.001737436	down	1.6738727	BCKDK	10295	BCKDK	NM_005881.1	chr16
6370341	6.59E-05	up	1.4903971	SPOP	8405	SPOP	NM_001007230.1	chr17
990768	6.31E-04	up	1.9328951	OAS3	4940	OAS3	NM_006187.2	chr12
7100386	5.21E-05	up	1.557486	TCF25	22980	TCF25	NM_014972.1	chr16
3120050	9.65E-04	up	1.7296063	MLL5	55904	MLL5	NM_182931.2	chr7
2710653	0.02726756	down	1.1368697	FBXO38	81545	FBXO38	NM_030793.3	chr5
2000195	7.35E-04	up	1.8059891	VEZT	55591	VEZT	NM_017599.2	chr12
5270446	0.001091469	up	1.5006388	RBM41	55285	RBM41	NM_018301.2	chrX
3180343	0.04051417	up	1.4381566	C17orf85	55421	C17orf85	NM_018553.1	chr17
1300482	0.002705923	up	1.6214366	HIP2	3093	HIP2	NM_005339.3	chr4
5270451	0.014104806	up	2.2763495	C12orf11	55726	C12orf11	NM_018164.1	chr12
6400082	0.008114188	up	2.4741478	C12orf11	55726	C12orf11	NM_018164.1	chr12
5050427	6.58E-04	down	1.2753729	FKBP1A	2280	FKBP1A	NM_000801.2	chr20
4810390	6.23E-04	up	1.4300828	TROVE2	6738	TROVE2	NM_001042369.1	chr1
2030672	0.006212556	down	1.8008276	LOC158160	158160	LOC158160	NM_001031744.1	chr10
6510025	0.001610189	up	1.5146722	NSMCE4A	54780	NSMCE4A	NM_017615.1	chr10
1940068	0.008875077	down	1.3679163	ABHD11	83451	ABHD11	NM_148916.2	chr7
4220707	0.001371218	up	1.3656374	PMPCB	9512	PMPCB	NM_004279.2	chr7
3170692	0.025394557	down	1.201669	EXOC8	149371	EXOC8	NM_175876.3	chr1
7400626	0.029704306	up	1.804452	NFKB1	4790	NFKB1	NM_003998.2	chr4
6220477	6.95E-05	up	1.5425259	USP3	9960	USP3	NM_006537.2	chr15
1980176	0.00549004	down	1.4305316	LOC644799	644799	LOC644799	XM_934554.1	chr20
4880288	0.005731846	down	2.4117756	ABHD8	79575	ABHD8	NM_024527.4	chr19
870128	0.017211208	up	1.2631669	ZKSCAN1	7586	ZKSCAN1	NM_003439.1	chr7
4050370	0.006605565	up	1.1875585	METTL5	29081	METTL5	NM_014168.2	chr2
2360110	0.004831708	up	1.3228432	LOC653308	653308	LOC653308	XM_928675.1	chr10
2750386	0.020083532	up	1.4611404	RPGR	6103	RPGR	NM_000328.2	chrX
4810598	0.038587302	up	1.3745732	LOC644037	644037	LOC644037	XR_038280.1	
1090753	0.002231106	up	2.005185	OAZ2	4947	OAZ2	NM_002537.2	chr15
3780408	0.03704673	down	1.5183074	RAB43	339122	RAB43	NM_198490.1	chr3

4230327	0.04599544	up	1.2059689	STK35	140901	STK35	NM_080836.2	chr20
4260044	0.02573018	down	2.3814304	SQSTM1	8878	SQSTM1	NM_003900.3	chr5
2140470	0.029296696	up	1.5545207	PSMA2	5683	PSMA2	NM_002787.3	chr7
7050706	0.002174402	down	1.3670661	PDHX	8050	PDHX	NM_003477.1	chr11
4880021	0.014395513	up	1.1825582	RBM12	10137	RBM12	NM_006047.4	chr20
2850438	0.038810268	up	1.2269263	RBM12	10137	RBM12	NM_006047.4	chr20
70189	0.03168544	up	1.4785422	BBS7	55212	BBS7	NM_018190.2	chr4
5820528	0.015491563	down	1.5266789	TSEN34	79042	TSEN34	NM_001077446.1	chr19
4640095	0.008043127	up	1.4329787	RPL9	6133	RPL9	NM_001024921.2	chr4
6420730	8.30E-05	up	1.245987	RPL9	6133	RPL9	NM_001024921.2	chr4
1010653	0.0337533	up	1.4027841	POLR1C	9533	POLR1C	NM_203290.1	chr6
5700167	0.02893701	up	1.490934	POLR1C	9533	POLR1C	NM_203290.1	chr6
6100730	0.04394907	down	1.1925308	FLJ46552	401230	FLJ46552	NM_203290.1	chr6
2030376	0.007807904	down	1.1695617	GLG1	2734	GLG1	NM_012201.4	chr16
5390500	6.86E-04	up	1.7740844	LOC728643	728643	LOC728643	NM_012201.4	chr10
1820296	0.036101405	up	1.1664551	WTAP	9589	WTAP	NR_003277.1	chr6
4730152	0.005447194	up	1.1545191	DSTYK	25778	DSTYK	NM_004906.3	chr6
3310241	0.012610284	up	1.2380518	SNHG8	100131971	LOC100131971	NM_199462.2	chr1
2060181	0.040530495	up	1.9495368	GNPAT	8443	GNPAT	NM_199462.2	chr1
1580343	0.044511914	up	1.270824	ZC3H14	79882	ZC3H14	NM_006084.4	chr14
7550678	0.016719522	down	1.2503579	TRAK1	22906	TRAK1	NM_014965.2	chr3
3140092	0.003026157	down	1.450285	TWF1	5756	TWF1	NM_002822.3	chr12
4830273	0.01939095	up	2.1649966	TWF1	5756	TWF1	NM_002822.3	chr12
1430168	0.02315009	up	2.1957533	TWF1	5756	TWF1	NM_002822.3	chr12
2000022	9.23E-05	down	1.5603414	IRF9	10379	IRF9	NM_006084.4	chr14
5290037	0.007009461	up	1.4354681	HEATR2	54919	HEATR2	NM_017802.2	chr7
730193	0.006697733	up	1.8374425	TRQ1	7228	TRQ1	NR_000037.1	chr17
1050386	0.029793888	up	1.6990253	SMUG1	23583	SMUG1	NM_014311.1	chr12
4040008	1.75E-04	up	1.1428827	LOC646195	646195	LOC646195	NM_014311.1	chr12
2030687	0.002562485	down	2.3543565	C3orf59	151963	C3orf59	NM_178496.2	chr3
2940309	0.04733616	up	1.2059765	LOC391169	391169	LOC391169	NM_178496.2	chr3
6220010	0.016072402	up	1.2249819	INTS7	25896	INTS7	XR_039984.1	chr1
6650736	0.025469081	down	1.4669005	WRNIP1	56897	WRNIP1	NM_015434.2	chr6
2750653	0.026159227	up	1.192711	ARCNI	372	ARCNI	NM_130395.1	chr6
4210630	0.005219303	down	6.127513	ARHGAP23	57636	ARHGAP23	NM_001655.3	chr11
4120487	0.001833525	down	1.5643104	MUL1	79594	MUL1	NM_290799.7	chr17
830274	0.012092651	down	2.923172	CD55	1604	CD55	NM_024544.2	chr1
6100678	0.003584242	up	1.2954342	LOC641972	641972	LOC641972	NM_000574.2	chr1
6130634	0.030630654	up	1.4021132	WDR76	79968	WDR76	NM_935742.1	chr15
2510646	0.004272274	up	1.3801731	NIPA2	81614	NIPA2	NM_024908.2	chr15
4670020	2.69E-04	up	1.5027074	NIPA2	81614	NIPA2	NM_030922.5	chr15
6770692	0.045826275	up	1.4461405	ORC3L	23595	ORC3L	NM_030922.5	chr15
3440368	0.002044286	up	1.4869044	PPP1R7	5510	PPP1R7	NM_181837.1	chr6
6510600	0.001731206	down	1.3947637	MLLT10	8028	MLLT10	NM_002712.1	chr2
2750039	0.001284693	up	1.6892198	RBMS2	5939	RBMS2	NM_004641.2	chr10
5260646	0.013816008	down	1.3063008	C16orf13	84326	C16orf13	NM_002898.2	chr12
2680047	7.61E-04	up	1.2891017	MAP2K4	6416	MAP2K4	NM_001040161.1	chr16
3420358	0.029343545	up	1.3168491	MAP2K4	6416	MAP2K4	NM_003010.2	chr17
3520072	0.039130714	up	1.184988	MRPS18A	55168	MRPS18A	NM_003010.2	chr17
5910220	8.20E-04	down	1.3715155	BAT5	7920	BAT5	NM_018135.2	chr6
2690402	0.004095112	down	1.5317389	ABHD6	57406	ABHD6	NM_021160.1	chr6
							NM_020676.4	chr3

6860445	0.001733429	down	1.4156834	MEX3C	51320	MEX3C	NM_016626.3	chr18
2710341	5.90E-04	down	1.4313476	PRNP	5621	PRNP	NM_183079.2	chr20
1780152	6.63E-04	down	1.2759473	SFMBT1	51460	SFMBT1	NM_016329.2	chr3
1400193	0.011184157	up	1.1741307	HS.22302		HS.22302	AJ420430	chr9
4860692	0.014936423	up	1.5044585	SHFM1	7979	SHFM1	NM_006304.1	chr7
6660196	1.06E-04	up	1.5463728	SHFM1	7979	SHFM1	NM_006304.1	chr7
3840497	1.35E-04	down	1.3330213	DCAF10	79269	DCAF10	NM_024345.3	chr9
6560066	0.019458199	up	1.3866371	MTHFS	10588	MTHFS	NM_006441.1	chr15
7200082	0.009208727	up	1.6163532	SNORD25	9303	SNORD25	NR_002565.1	chr11
3610619	0.013795789	up	1.800066	TRAZA	29896	TRAZA	NM_013293.3	chr7
6660674	0.019178305	up	2.11645	ERGIC2	51290	ERGIC2	NM_016570.2	chr12
2140364	0.016329335	down	1.2115738	ZFYVE20	64145	ZFYVE20	NM_022340.2	chr3
3780619	0.005930226	down	1.218178	TMEM14A	28978	TMEM14A	NM_014051.3	chr6
6270195	0.009033095	up	1.3373736	ARL5A	26225	ARL5A	NM_001037174.1	chr2
2630209	0.027296195	up	1.3311597	ARL5A	26225	ARL5A	NM_001037174.1	chr2
4070053	0.03411462	down	3.5508783	BCAR3	8412	BCAR3	NM_003567.2	chr1
7650189	0.035942506	down	1.7319103	LAMB2	3913	LAMB2	NM_002292.3	chr3
2810114	0.00349011	up	1.8324553	C15orf17	57184	C15orf17	NM_020447.3	chr15
1980392	0.026328908	up	1.3687238	TARBP2	6895	TARBP2	NM_134324.2	chr12
6040576	0.005426734	down	1.7494665	LOC100128163	100128163	LOC100128163	XM_001722350.1	chr18
4610411	0.016843151	up	1.312154	MTERFD1	51001	MTERFD1	NM_015942.3	chr8
7150162	0.02792203	up	1.2250499	MRPS25	64432	MRPS25	NM_022497.3	chr3
2690603	0.013847411	down	1.8305866	RNF5	6048	RNF5	NM_006913.2	chr6
6980113	1.75E-04	up	2.572641	PHACTR2	9749	PHACTR2	NM_001100164.1	chr6
5720278	0.011480222	up	1.8896301	SNHG1	23642	SNHG1	NR_003098.1	chr11
6400600	0.022586208	up	1.1329122	EXOG	9941	EXOG	NM_005107.2	chr3
2360156	0.017789058	down	1.1979492	RABL2B	11158	RABL2B	NM_007081.2	chr22
7380139	1.95E-05	down	1.7985789	SERINC3	10955	SERINC3	NM_006811.2	chr20
2030279	1.27E-04	down	1.8591259	SERINC3	10955	SERINC3	NM_006811.2	chr20
5420592	0.012388372	up	2.4208505	SRC	6714	SRC	NM_198291.1	chr20
4150500	0.007448434	down	1.3013783	COPA	1314	COPA	NM_004371.3	chr1
360209	0.012533658	down	1.3215051	C6orf1	221491	C6orf1	NM_001008704.1	chr6
5490458	0.04548758	down	1.3970219	SNORD14A	26822	SNORD14A	NR_000022.1	chr11
2070474	0.009696822	up	2.1059058	TM7SF3	51768	TM7SF3	NM_016551.1	chr12
4900333	0.03168544	down	2.448407	HAGH	3029	HAGH	NM_005326.4	chr16
7150167	0.003167198	up	2.073283	PON2	5445	PON2	NM_000305.2	chr7
3140390	0.002676486	up	2.084538	PON2	5445	PON2	NM_000305.2	chr7
6960553	0.014228087	up	1.2459737	TERF1	7013	TERF1	NM_003218.2	chr8
4760139	0.002915233	up	1.7367517	LOC729057	729057	LOC729057	XR_042044.1	chr22
1660368	0.019677076	down	1.7925727	PKN1	5585	PKN1	NM_213560.1	chr19
1110541	0.03014763	down	1.4650599	C20orf30	29058	C20orf30	NM_001009923.1	chr20
6590762	0.013341431	up	1.1856778	LOC100131253	100131253	LOC100131253	XR_038910.1	chr7
940066	0.045071978	down	1.222394	PHTF2	57157	PHTF2	NM_020432.2	chr6
5910682	0.01024511	up	1.2818598	LOC442270	442270	LOC442270	XR_017483.2	chr6
1470086	0.024868587	up	1.2854196	RPS19	6223	RPS19	NM_001022.3	chr19
6330373	0.005357149	up	1.5048236	EEF1B2	1933	EEF1B2	NM_001959.2	chr2
6130576	0.002740942	up	1.1784202	LOC100132391	100132391	LOC100132391	XM_001716455.1	chr17
5670402	0.041248	up	1.0983052	LOC441714	441714	LOC441714	XR_019458.2	chr17
2480468	5.96E-04	up	1.3672895	RANBP10	57610	RANBP10	NM_020850.1	chr16
4490603	0.029844245	up	1.2638543	RP9P	441212	RP9P	NR_003500.1	chr7
1430544	0.002118448	up	1.4172357	NOB1	28987	NOB1	NM_014062.1	chr16

5360397	0.001611823	up	1.2546785	CROP	51747	CROP	NM_006107.2	NM_006107.2	chr17
7550048	0.01785268	up	1.2524219	CERCAM	51148	CERCAM	NM_016174.3	NM_016174.3	chr9
4120309	0.005122264	up	1.8074797	C7orf36	57002	C7orf36	NM_020192.2	NM_020192.2	chr7
2060088	0.03810457	down	3.8025725	CLCN7	1186	CLCN7	NM_001287.3	NM_001287.3	chr16
362092	0.03305638	up	1.3433973	SCARNA13	67768	SCARNA13	NR_003002.1	NR_003002.1	chr14
5960358	0.008114188	down	1.3308744	PELO	53918	PELO	NM_015946.4	NM_015946.4	chr5
4590397	2.15E-05	up	1.419233	LOC100133836	100133836	LOC100133836	XM_001713608.1	XM_001713608.1	chr5
6660630	9.43E-04	down	1.4956366	TP53INP1	94241	TP53INP1	NM_033285.2	NM_033285.2	chr8
4180324	6.01E-06	down	1.9565716	FAM46B	115572	FAM46B	NM_052943.2	NM_052943.2	chr1
6520692	0.044609644	up	1.1813405	C6orf125	84300	C6orf125	NM_032340.2	NM_032340.2	chr6
2760671	0.041234814	up	1.1207637	MTO1	25821	MTO1	NM_133645.1	NM_133645.1	chr6
6660753	5.19E-04	up	1.4024354	C12orf41	54934	C12orf41	NM_017822.3	NM_017822.3	chr12
2710255	3.15E-04	up	1.3439663	HNRNPUL1	11100	HNRNPUL1	NM_144732.2	NM_144732.2	chr19
2230592	0.03632118	up	1.6946586	REL	5966	REL	NM_002908.2	NM_002908.2	chr2
70181	0.032303885	down	1.1704055	NAP1L4	4676	NAP1L4	NM_005969.3	NM_005969.3	chr11
5870452	0.04051417	down	2.202338	TMEM14C	51522	TMEM14C	NM_016462.2	NM_016462.2	chr6
3840167	0.04326582	down	2.152793	TMEM14C	51522	TMEM14C	NM_016462.2	NM_016462.2	chr6
130408	1.52E-04	up	1.4281201	KLHL20	27252	KLHL20	NM_014458.3	NM_014458.3	chr1
5820202	0.011242293	up	1.5400631	LOC644131	644131	LOC644131	XR_018325.1	XR_018325.1	chr20
290132	1.13E-05	down	1.9946321	C20orf117	140710	C20orf117	NM_199181.2	NM_199181.2	chr1
4590369	0.03441877	down	1.2823415	LOC728969	728969	LOC728969	XM_001132928.1	XM_001132928.1	chr1
1570131	0.008221825	up	1.4155648	NDUFB8	4714	NDUFB8	NM_005004.2	NM_005004.2	chr10
1340100	0.004902392	up	2.2867417	LOC440928	440928	LOC440928	XM_942885.1	XM_942885.1	chr15
3870220	5.56E-05	up	1.6748002	POLG	5428	POLG	NM_002693.1	NM_002693.1	chr17
3290338	0.002812392	up	2.1332922	POLR2A	5430	POLR2A	NM_000937.2	NM_000937.2	chr15
5670669	2.75E-04	up	1.4390815	LPCAT4	254531	LPCAT4	NM_153613.2	NM_153613.2	chr22
7560164	0.03264224	down	1.5711824	GCAT	23464	GCAT	NM_014291.2	NM_014291.2	chr15
2690639	7.89E-04	up	1.6768683	AQR	9716	AQR	NM_014691.2	NM_014691.2	chr3
3440195	0.016089153	down	1.4398068	GFM1	85476	GFM1	NM_024996.5	NM_024996.5	chr20
3940059	0.016034324	down	1.3724521	C20orf29	55317	C20orf29	NM_018347.1	NM_018347.1	chrX
6020152	0.010593117	up	3.8589563	SH3KBP1	30011	SH3KBP1	NM_031892.1	NM_031892.1	chrX
3450059	0.003728719	up	3.947606	SH3KBP1	30011	SH3KBP1	NM_031892.1	NM_031892.1	chrX
990138	0.024347344	up	1.3339622	PRKD2	25865	PRKD2	NM_016457.3	NM_016457.3	chr19
2900372	9.43E-04	up	1.5235294	ARMC10	83787	ARMC10	NM_031905.2	NM_031905.2	chr7
2450452	0.039753787	up	2.3575895	SLC9A3R1	9368	SLC9A3R1	NM_004252.2	NM_004252.2	chr17
770646	0.001258248	up	1.3135537	FSD1L	83856	FSD1L	NM_207647.2	NM_207647.2	chr9
4150128	0.001778149	down	4.0077295	LOC340598	340598	LOC340598	XM_926996.1	XM_926996.1	chrX
3850682	0.03891268	up	1.6903712	YIPF5	81555	YIPF5	BF509118	BF509118	chr9
380703	1.48E-04	down	2.0149312	PRPF31	26121	PRPF31	NM_030799.6	NM_030799.6	chr5
1190707	0.01103917	up	1.4662302	IER5	51278	IER5	NM_015629.2	NM_015629.2	chr19
650241	7.86E-05	down	3.506671	SNORD35B	84546	SNORD35B	NM_016545.4	NM_016545.4	chr1
3190561	0.001583623	up	2.1421685	CTU2	348180	CTU2	NR_001285.1	NR_001285.1	chr19
2690719	0.023876578	up	1.4017608	C6orf173	387103	C6orf173	NM_001012759.1	NM_001012759.1	chr16
540215	1.61E-04	up	1.4365513	CYCSSL1	157317	CYCSSL1	NM_001012507.1	NM_001012507.1	chr6
6040670	0.033791475	up	1.1657948	CYCSSL1	157317	CYCSSL1	NR_001561.1	NR_001561.1	chr6
3890008	0.005731846	up	1.2475804	DKC1	1736	DKC1	NR_001561.1	NR_001561.1	chr6
6980327	9.23E-05	up	1.3719968	DNAJC17	55192	DNAJC17	NM_001363.2	NM_001363.2	chrX
110615	0.006085703	up	1.3771254	DHRS7B	25979	DHRS7B	NM_018163.1	NM_018163.1	chr15
670561	1.27E-04	up	2.012607	LOC653377	653377	LOC653377	NM_015510.3	NM_015510.3	chr17
5890368	0.037904773	up	1.366707	NUP62	23636	NUP62	XM_929420.1	XM_929420.1	chr10
4200668	0.003847373	up	1.2340664				NM_016553.3	NM_016553.3	chr19

3360008	1.33E-04	up	1.8809965	ZNF275	10838	ZNF275	NM_001080485.1	chrX
3420497	6.71E-04	up	1.4081608	KEAP1	9817	KEAP1	NM_0122289.3	chr19
4570598	0.00383873	up	1.4116105	KEAP1	9817	KEAP1	NM_0122289.3	chr19
3460215	0.03862854	up	1.2887392			HS.573541	BX951899	chr9
1510270	0.016384482	down	1.476898	SIRT5	23408	SIRT5	NM_012241.2	chr6
1580224	0.01748114	down	2.135319	SIRT5	23408	SIRT5	NM_012241.2	chr6
650020	0.03604221	up	1.143341	SYNJ1	8867	SYNJ1	NM_203446.1	chr21
3120379	0.019211806	up	1.525663	DPY19L1	23333	DPY19L1	NM_015283.1	chr7
6370397	0.044788953	down	2.333741	CSRPI	1465	CSRPI	NM_004078.1	chr1
4200010	0.005680868	up	1.2902907	LOC650759	650759	LOC650759	NM_944798.1	chr3
7000246	2.54E-04	up	1.9012735	LOC389137	389137	LOC389137	XM_371655.3	chr5
7210075	0.00729125	down	1.312835	TTC1	7265	TTC1	NM_003314.1	chr6
5550564	0.011234631	up	1.4741765	MTRFIL	54516	MTRFIL	NM_019041.3	chr6
6940397	0.040188435	up	1.3952435	RRAGB	10325	RRAGB	NM_006064.3	chrX
4120671	4.24E-04	up	1.595699	SSBP3	23648	SSBP3	NM_018070.3	chr1
3400605	0.005625354	down	1.3471667	ZKSCAN3	80317	ZKSCAN3	NM_024493.1	chr6
840722	0.04770974	up	1.1211809	LOC100130458	100130458	LOC100130458	XM_001716901.1	chr10
7510709	0.049122192	up	1.4074261	CEP55	55165	CEP55	NM_018131.3	chr16
4010243	0.01755263	up	1.3476716	NAE1	8883	NAE1	NM_001018160.1	chr22
2450132	0.016034324	down	1.2703408	THAP7	80764	THAP7	NM_030573.2	chr15
1500446	0.017739981	up	1.4273425	DPP8	54878	DPP8	NM_017743.4	chr6
160333	6.90E-06	up	2.3564863	C6orf192	116843	C6orf192	NM_052831.2	chr12
6840056	0.033791475	up	1.4849839	MYL6B	140465	MYL6B	NM_002475.3	chr9
1190575	0.01191471	up	1.2598654	LOC728453	728453	LOC728453	XM_001127303.1	chr7
4180445	0.027091222	down	1.7105958	C9orf142	286257	C9orf142	NM_183241.1	chr2
3060601	0.021166341	up	1.5552741	LOC100132740	100132740	LOC100132740	XM_001722108.1	chr2
1010195	0.040188435	down	1.1837146	DBI	1622	DBI	NM_001079863.1	chr9
7000333	0.032604594	up	1.4382125	ASB6	140459	ASB6	NM_177999.1	chr9
1740753	4.09E-05	down	1.6425532	CBWD3	445571	CBWD3	NM_201453.2	chr21
20544	0.042891715	up	1.5142907	GART	2618	GART	NM_000819.3	chr16
5220731	0.00664458	up	1.3435423	TXNL4B	54957	TXNL4B	NM_017853.1	chr10
1110022	7.57E-04	up	1.8621179	KIF11	3832	KIF11	NM_004523.2	chr10
4060176	9.50E-04	up	1.920387	KIF11	3832	KIF11	NM_004523.2	chrX
2030274	0.0376923	up	1.1518818	TAF1	6872	TAF1	NM_138923.1	chr16
3940138	0.037140276	down	1.3121593	PKD1	5310	PKD1	NM_001009944.1	chr16
160731	0.03406583	down	1.520098	SHISA5	51246	SHISA5	NM_016479.3	chr3
5570653	0.04716325	down	1.7643436	TM75F2	7108	TM75F2	NM_003273.2	chr11
670301	0.012376828	up	1.2864405	RGPD8	727851	RGPD8	XM_001722279.1	chr2
4280722	0.005885221	up	1.2555051	SEC24C	9632	SEC24C	NM_198597.1	chr10
6860411	7.20E-04	down	1.3398014	ST7	7982	ST7	NM_018412.3	chr7
6330195	0.0222603	up	1.5004551	EP400	57634	EP400	NM_015409.3	chr12
7400601	0.00493515	up	1.335801	LOC650515	650515	LOC650515	XM_001722897.1	chr7
6420441	0.03208738	up	1.4816252	LOC728416	728416	LOC728416	XM_001127426.2	chr12
4180100	0.025829209	down	1.3459643	APPL2	55198	APPL2	NM_018171.3	chr12
1740504	1.33E-04	up	1.4468244	MCRS1	10445	MCRS1	NM_006337.3	chr12
5360647	0.003099148	down	1.3727931	LOC100133463	100133463	LOC100133463	XM_001720896.1	chr16
5340167	0.028856337	up	1.3748734	RFWD3	55159	RFWD3	NM_018124.3	chr18
1340639	0.046357017	up	1.1793123	LOC400652	400652	LOC400652	XM_375543.3	chr22
3450630	0.008301822	up	1.2089167	SNORD83B	116938	SNORD83B	NR_000028.1	chr12
4850390	0.00224326	down	2.0534205	LOC388796	388796	LOC388796	NR_015366.2	chr12
3190021	4.66E-04	down	7.434143	NTN4	59277	NTN4	NM_021229.3	chr12

6760050	0.03530803	up	1.2354643	CLPX	10845	CLPX	NM_006660.3	chr15
7400047	2.80E-04	up	1.7825129	LOC388344	388344	LOC388344	XM_371023.4	chr17
1010246	0.009339479	down	1.6084336	IFI6	2537	IFI6	NM_022872.2	chr1
2680538	0.006200351	down	2.0054882	MAP6D1	79929	MAP6D1	NM_024871.1	chr3
1240477	0.02315009	up	1.3161237	RTN4IP1	84816	RTN4IP1	NM_032730.4	chr6
6520035	0.004028734	up	1.5800226	LOC402112	402112	LOC402112	XR_019262.2	
4480164	0.016955864	up	1.2233206	LOC643534	643534	LOC643534	XM_936822.2	
4760646	0.025634313	up	1.327509	TROAP	10024	TROAP	NM_005480.2	chr12
2680156	8.73E-05	up	1.546748	RBM10	8241	RBM10	NM_005676.3	chrX
1450064	0.013829991	up	1.4840353	PSME3	10197	PSME3	NM_005789.2	chr17
2470427	0.043213475	up	1.4921806	PSME3	10197	PSME3	NM_005789.2	chr17
2510463	0.00184167	down	1.322959	METTL13	51603	METTL13	NM_001007239.1	chr1
6840075	0.003223738	up	1.4275677	NP	4860	NP	NM_000270.1	chr14
2190131	7.65E-07	up	2.269455	RFX7	64864	RFX7	NM_022841.5	chr15
6020669	0.009323509	up	1.3308738	LOC391811	391811	LOC391811	XR_018614.1	
1070753	0.001759791	down	2.1367145	TCP11L1	55346	TCP11L1	NM_018393.2	chr11
3930731	0.016057713	up	1.522542	DHRS7	51635	DHRS7	NM_016029.1	chr14
5050520	0.04254396	up	1.462316	SPATA20	64847	SPATA20	NM_022827.2	chr17
3800762	0.04955408	up	1.5923138	MAP3K2	10746	MAP3K2	XM_001128799.1	
3460139	0.04314232	down	1.7472938	LOC100133211	100133211	LOC100133211	XM_001726471.1	
2810121	0.03604221	up	1.4088372	INTS4	92105	INTS4	NM_033547.3	chr11
990037	0.048319034	up	1.322539	INTS4	92105	INTS4	NM_033547.3	chr11
270044	0.002309553	up	1.3937781	SPATS2	65244	SPATS2	NM_023071.3	chr12
1500477	0.02505527	up	1.2031226	RNF25	64320	RNF25	NM_022453.2	chr2
7650309	0.020203346	up	1.340499	EHPB1	23301	EHPB1	NM_015252.2	chr2
6200168	0.002318095	up	1.5466588	PIM2	11040	PIM2	NM_006875.2	chrX
50114	9.63E-05	up	1.4542814	DNAJC9	23234	DNAJC9	NM_015190.3	chr10
1980626	0.012825076	up	1.5489159	SMARCA5	8467	SMARCA5	NM_003601.2	chr4
5340201	0.008447181	up	1.3162011	LOC100132535	100132535	LOC100132535	XR_038625.1	
540647	1.47E-04	down	1.8827292	TMEM56	148534	TMEM56	NM_152487.1	chr1
1440187	1.55E-04	up	1.4949539	STYXL1	51657	STYXL1	NM_016086.2	chr7
6180224	0.04638887	up	1.1304346	LOC728653	728653	LOC728653	XM_001127710.1	chrX
6480743	0.04075061	up	1.5848873	FRYL	285527	FRYL	NM_015030.1	chr4
10341	0.036683	up	1.2244084	SHMT2	6472	SHMT2	NM_005412.4	chr12
1770402	0.010682995	up	1.4710984	PIR	8544	PIR	NM_001018109.1	chrX
2120037	0.015162275	up	1.4173666	PIR	8544	PIR	NM_001018109.1	chrX
5290768	0.01956028	down	1.6428647	HS.483906		HS.483906	AL833381	
940577	1.56E-05	up	2.3656201	CSNK1G1	53944	CSNK1G1	NM_022048.3	chr15
5720133	0.030955786	up	1.3908639	RBBP8	5932	RBBP8	NM_002894.2	chr18
5960181	0.024370741	down	1.5719332	ASNS	440	ASNS	NM_133436.1	chr7
1780402	0.013970905	down	1.9396622	SEPN1	57190	SEPN1	NM_206926.1	chr1
1430524	1.89E-04	up	1.8460404	LTA4H	4048	LTA4H	NM_000895.1	chr12
2450368	1.19E-04	up	1.657588	GTF2A2	2958	GTF2A2	NM_004492.1	chr15
4900747	0.006638122	down	1.2331723	C11orf75	56935	C11orf75	NM_020179.1	chr11
2030148	0.005394308	up	1.4218923	WDR54	84058	WDR54	NM_032118.2	chr2
130519	0.035264395	up	1.1506673	STAT2	6773	STAT2	NM_005419.2	chr12
3870519	0.004217077	up	1.4813396	SNORD73A	8944	SNORD73A	NR_000007.1	chr4
6280360	1.75E-04	up	1.6208863	SPG7	6687	SPG7	NM_003119.2	chr16
7570328	0.004774686	up	1.3960267	STXBP4	252983	STXBP4	NM_178509.5	chr17
6400670	0.02314156	up	1.340276	ZNF222	7673	ZNF222	NM_013360.1	chr17
4640093	0.010424915	up	1.4276178	LOC100131859	100131859	LOC100131859	XR_038084.1	chr19

5820630	0.013229025	up	LOC644816	644816	LOC644816	644816	LOC644816	XM_939845.1	chr15
650379	0.011190144	down	MYO1E	4643	MYO1E	4643	MYO1E	NM_004998.2	chr10
2470402	0.01950437	up	RUFY2	55680	RUFY2	55680	RUFY2	NM_001042417.1	
4570475	0.004698278	up	LOC649049	649049	LOC649049	649049	LOC649049	XM_945192.1	
6420184	0.002580443	up	DENND4A	10260	DENND4A	10260	DENND4A	NM_005848.2	chr15
7040477	0.026807975	down	PLOD2	5352	PLOD2	5352	PLOD2	NM_000935.2	chr3
4640187	0.025829209	down	PLOD2	5352	PLOD2	5352	PLOD2	NM_000935.2	chr3
6180064	0.03110647	down	NR1H2	7376	NR1H2	7376	NR1H2	NM_007121.2	chr19
7050180	0.009940196	down	SLC22A5	6584	SLC22A5	6584	SLC22A5	NM_003060.2	chr5
5860445	0.001606934	up	SRI	6717	SRI	6717	SRI	NM_003130.2	chr7
3180445	0.020189645	down	C14orf79	122616	C14orf79	122616	C14orf79	NM_174891.3	chr14
2810296	0.03264224	up	BCKDHA	593	BCKDHA	593	BCKDHA	NM_000709.2	chr19
5560131	0.004586111	down	ATOX1	475	ATOX1	475	ATOX1	NM_004045.3	chr5
3120709	0.031108556	up	CCNT1	904	CCNT1	904	CCNT1	NM_001240.2	chr12
1500189	9.25E-04	down	CD81	975	CD81	975	CD81	NM_004356.3	chr11
7650170	0.018850414	up	LOC100131655	100131655	LOC100131655	100131655	LOC100131655	XM_001732884.1	
2260176	0.002949506	up	SRFBP1	153443	SRFBP1	153443	SRFBP1	NM_152546.1	chr5
1110600	0.029507589	up	SMCR5	140771	SMCR5	140771	SMCR5	NR_024007.1	chr17
2450553	0.003721323	up	PRMT10	90826	PRMT10	90826	PRMT10	NM_138364.2	chr4
70168	0.011777161	up	MED29	55588	MED29	55588	MED29	NM_017592.1	chr19
5090491	0.043358833	up	CXorf38	159013	CXorf38	159013	CXorf38	NM_144970.1	chrX
4150309	8.32E-04	up	ZNHIT1	10467	ZNHIT1	10467	ZNHIT1	NM_006349.2	chr7
7000114	0.03875415	down	PPIC	5480	PPIC	5480	PPIC	NM_000943.4	chr5
1570484	9.58E-05	up	ATF5	22809	ATF5	22809	ATF5	NM_012068.3	chr19
1660021	0.002528306	up	RNU4ATAC	100151683	RNU4ATAC	100151683	RNU4ATAC	NR_023343.1	chr2
2710086	0.03180274	down	LOC100128269	100128269	LOC100128269	100128269	LOC100128269	XR_038661.1	chr7
6450189	0.02035361	up	WVVOX	51741	WVVOX	51741	WVVOX	NM_130844.1	chr16
4200612	0.02641876	up	PPIL1	51645	PPIL1	51645	PPIL1	NM_016059.3	chr6
4210376	0.017428711	up	LOC728431	728431	LOC728431	728431	LOC728431	XM_001132105.2	
6480349	6.95E-05	down	SSBP2	23635	SSBP2	23635	SSBP2	NM_012446.2	chr5
630706	0.011471982	up	NACC2	138151	NACC2	138151	NACC2	NM_144653.3	chr9
4220739	3.30E-04	up	NACC2	138151	NACC2	138151	NACC2	NM_144653.3	chr9
6330243	0.042311464	up	VPS33B	26276	VPS33B	26276	VPS33B	NM_018668.3	chr15
3890398	0.025915252	down	WBP2	23558	WBP2	23558	WBP2	NM_012478.3	chr17
2060300	0.006695386	up	RSBN1L	222194	RSBN1L	222194	RSBN1L	NM_198467.1	chr7
7160400	0.002287538	down	MGST3	4259	MGST3	4259	MGST3	NM_004528.2	chr1
3840722	0.001280498	up	LOC651894	651894	LOC651894	651894	LOC651894	XM_941155.2	
2710451	0.009751134	up	LOC651894	651894	LOC651894	651894	LOC651894	XM_941155.2	
1740142	0.029078577	up	LOC647074	647074	LOC647074	647074	LOC647074	XM_930080.1	chr2
20017	0.009343633	up	LOC650128	650128	LOC650128	650128	LOC650128	XM_945833.1	
540274	0.001935035	up	ZDHHC18	84243	ZDHHC18	84243	ZDHHC18	XM_032283.1	chr1
430639	0.004207247	up	PCF11	51585	PCF11	51585	PCF11	NM_015885.2	chr11
1660039	0.028595015	down	DHPS	1725	DHPS	1725	DHPS	NM_013406.1	chr19
6450458	0.039130714	down	DHPS	1725	DHPS	1725	DHPS	NM_013406.1	chr19
4230021	0.041833352	down	NCK2	8440	NCK2	8440	NCK2	NM_013406.1	chr19
6100300	0.007327267	down	C10orf32	119032	C10orf32	119032	C10orf32	NM_001004720.1	chr2
4670544	8.60E-06	down	ACSS2	55902	ACSS2	55902	ACSS2	NM_144591.1	chr10
6290014	0.011537014	up	CCT4	10575	CCT4	10575	CCT4	NM_018677.2	chr20
1090047	0.03604221	up	BUB1B	701	BUB1B	701	BUB1B	NM_006430.2	chr2
7160228	0.016080145	down	SLC12A4	6560	SLC12A4	6560	SLC12A4	NM_001211.4	chr15
6040603	6.14E-05	down	FAM107B	83641	FAM107B	83641	FAM107B	NM_005072.3	chr16
								NM_031453.2	chr10

4290148	7.93E-05	up	3.582583	HIST2H2AA4	723790	HIST2H2AA4	NM_001040874.1	chr1
580170	0.030307323	up	1.230528	LOC100131387	100131387	LOC100131387	XM_001725100.1	chr17
830739	0.001554612	down	1.7842358	RPP21	79897	RPP21	NM_024839.1	chr6
4180450	0.001376102	down	3.2625604			HS.538962	AL049980	
5690543	0.003999088	up	2.8500957	LQK1	642946	LQK1	XR_041452.1	chr1
7510482	0.01601917	up	1.6364838	RPS4X	6191	RPS4X	NM_001007.3	chrX
6040563	0.008860846	up	1.8091629	RPS4X	6191	RPS4X	NM_001007.3	chrX
6270181	0.011165275	up	2.1898696	AADAT	51166	AADAT	NM_182662.1	chr4
3060433	0.021513736	up	1.2195159	GINSA	84296	GINSA	NM_032336.1	chr8
7560762	0.032629028	down	1.3346199	RNF40	9810	RNF40	NM_014771.2	chr16
5260082	0.026356088	down	1.3364884	CP110	9738	CP110	NM_014711.3	chr16
4250167	3.99E-04	down	2.4838905	SOX13	9580	SOX13	NM_005686.2	chr1
2360543	5.56E-05	down	1.6520782	LOC100130179	100130179	LOC100130179	XR_039527.1	chr1
6350722	2.42E-04	up	1.4505115	LOC729366	729366	LOC729366	XR_015958.2	chr2
70554	0.008860846	up	1.2248073	MGC40489	146880	MGC40489	XR_016048.1	chr17
1230598	0.028957264	up	1.60423	SORD	6652	SORD	XM_001132175.1	chr17
1410079	0.004618669	up	1.9847782	CDC26	246184	CDC26	NM_139286.3	chr9
4610369	0.035290867	down	1.438524	ALKBH3	221120	ALKBH3	NM_139178.1	chr11
1440278	0.008640366	down	1.6567534	PISD	23761	PISD	NM_014338.3	chr22
510731	0.005429124	up	1.3641646	RRM2	6241	RRM2	NM_001034.1	chr2
2000392	2.57E-04	up	1.7718414	RPAP3	79657	RPAP3	NM_024604.1	chr12
6110025	6.75E-04	down	2.4080446	FHL2	2274	FHL2	NM_201557.2	chr2
1050762	2.03E-04	up	2.0156898	TNFRSF10A	8797	TNFRSF10A	NM_003844.2	chr8
1170072	2.31E-04	down	1.8561722	ZSWIM4	65249	ZSWIM4	NM_023072.1	chr19
2450546	6.29E-08	down	6.413754	MBNL2	10150	MBNL2	NM_144778.2	chr13
2350176	0.002667134	up	1.3761009	CHD1	1105	CHD1	NM_001270.2	chr5
1580278	0.001078157	up	1.5144277	PMS2L1	5379	PMS2L1	XM_945620.1	chr5
2650170	0.004414825	up	1.2026658	PATE3	100169851	PATE3	NM_001129883.2	chrX
6450703	0.003708785	up	1.3936125	FAF2	23197	FAF2	NM_014613.2	chrX
7610286	0.005267932	up	1.7059833	HPRT1	3251	HPRT1	NM_000194.1	chrX
2470070	0.03014763	up	1.4772226	TBL1X	6907	TBL1X	NM_005647.2	chrX
5700504	0.027615905	up	1.4690187	TJP1	7082	TJP1	NM_003257.3	chr15
6980328	0.002555184	up	1.4867831	ANP32C	23520	ANP32C	NM_012403.1	chr4
3170286	3.35E-05	down	1.9284952	LOC647000	647000	LOC647000	XM_929980.2	chr13
3310288	4.35E-04	down	1.632506	LOC647000	647000	LOC647000	XM_929980.2	chr13
870014	0.011750663	down	1.9493812	C10orf47	254427	C10orf47	NM_153256.2	chr10
1110767	0.008031054	down	2.2951825	C10orf47	254427	C10orf47	NM_153256.2	chr10
6840474	0.04475352	up	1.1582499	VPS52	6293	VPS52	NM_022553.4	chr6
7100039	0.046432316	up	1.8641542	ABCF2	10061	ABCF2	NM_007189.1	chr7
6980286	3.35E-05	down	1.5093565	C13orf7	79596	C13orf7	NM_024546.2	chr13
3610100	0.006230104	up	1.514154	LUC7L	55692	LUC7L	NM_018032.3	chr16
6040128	0.031668082	up	1.3912582	LOC641788	641788	LOC641788	XM_935675.1	chr19
7050349	0.01531826	down	1.3352502	DDA1	79016	DDA1	NM_024050.4	chr19
6280382	3.52E-04	up	1.511917	LOC100134301	100134301	LOC100134301	XM_001720715.1	chr19
5960544	0.013271502	down	1.4187604	SEPHS1	22929	SEPHS1	NM_012247.3	chr10
3460309	1.48E-04	down	1.4504633	ATF4	468	ATF4	NM_001675.2	chr22
1770181	1.62E-04	up	1.582551	C15orf24	56851	C15orf24	NM_001675.2	chr15
1030438	0.02928618	down	1.1814901	RWDD1	51389	RWDD1	NM_020154.2	chr6
6280008	0.040687513	up	2.0492918	HSD17B11	51170	HSD17B11	NM_016104.2	chr4
6280626	0.001190895	up	1.6231709	C21orf66	94104	C21orf66	NM_016245.3	chr21
5670072	0.001190895	up	1.4638216	C21orf66	94104	C21orf66	NM_016631.3	chr21

2510523	0.026132291	down	1.6646421	RBCK1	10616	RBCK1	NM_031229.2	chr20
4810546	0.002080231	up	1.6688553	FASTKD1	79675	FASTKD1	NM_024622.2	chr2
4200056	0.001570465	down	1.3129731	LOC100131785	100131785	LOC100131785	XR_039574.1	chr7
3170452	0.04842284	up	1.6135638	ORMDL1	94101	ORMDL1	NM_016467.3	chr2
3890181	0.011191471	down	1.652282	TCF19	6941	TCF19	NM_007109.1	chr6
1980671	0.022210268	up	1.2063209	RIC8B	55188	RIC8B	NM_018157.2	chr12
6840324	6.02E-04	up	2.3347838	RPL13L	283345	RPL13L	NR_002803.1	chr12
70671	0.023826487	up	1.1557169	RPL13L	283345	RPL13L	NR_002803.1	chr12
5360189	0.001186364	up	1.992159	LOC729423	729423	LOC729423	XM_001726952.1	
1300079	0.043589134	up	1.2254161	LOC728170	728170	LOC728170	XR_039446.1	
6580672	0.0397081	up	1.291767	RBBP8	5932	RBBP8	NM_203291.1	chr18
840598	0.021015406	up	1.2499545	SMURF1	57154	SMURF1	NM_203291.1	chr7
4480446	0.017182412	up	1.52881	LOC654350	654350	LOC654350	NM_181349.1	chr15
2190184	0.014104806	up	7.695824	PRSS23	11098	PRSS23	NM_007173.4	chr11
3170577	0.001081578	up	1.4641819	GNPDA2	132789	GNPDA2	NM_138335.1	chr4
7550639	0.002655502	up	1.8441273	GNPDA2	132789	GNPDA2	NM_138335.1	chr4
2340180	0.022210268	down	1.6653426	TAGLN2	8407	TAGLN2	NM_003564.1	chr1
4070736	0.013393724	down	1.7790587	TAGLN2	8407	TAGLN2	NM_003564.1	chr1
4120333	0.012709564	down	1.3148191	ERP29	10961	ERP29	NM_003564.1	chr1
6520408	0.03946054	down	1.2626252	METTL13	51603	METTL13	NM_001034025.1	chr12
3370092	0.03696043	up	1.2741085	STK39	27347	STK39	NM_015935.4	chr1
5360414	0.03408382	down	1.1374978	ZNF766	90321	ZNF766	NM_013233.2	chr2
7320041	8.90E-04	up	2.5732944	CHST15	51363	CHST15	NM_015892.2	chr10
4570240	6.40E-05	up	1.5107168	ACVR1B	91	ACVR1B	NM_004302.3	chr12
1070612	6.01E-06	down	1.8530619	DVL3	1857	DVL3	NM_004423.3	chr3
5130176	0.02574422	up	1.6927114	NAAA	27163	NAAA	NM_014435.3	chr4
1500040	0.005078709	up	1.2949631	ZNF142	7701	ZNF142	NM_005081.2	chr2
6450474	0.037495583	up	1.2226113	BRI3BP	140707	BRI3BP	NM_080626.5	chr12
160437	0.040188435	up	1.2276255	BRI3BP	140707	BRI3BP	NM_080626.5	chr12
5570091	0.003068754	up	1.2510095	RANBP3	8498	RANBP3	NM_003624.1	chr19
1500195	0.046431497	up	1.1142002	RANBP3	8498	RANBP3	NM_003624.1	chr19
1990291	0.049965937	down	1.2806503	CRADD	8738	CRADD	NM_003805.3	chr12
1940377	3.60E-04	up	1.4268478	RAN	5901	RAN	NM_006325.3	chr12
2350468	0.001746162	down	1.4554379	SENP7	57337	SENP7	NM_001077203.1	chr3
780482	0.020169022	up	1.1740174	LOC649150	649150	LOC649150	XR_019269.1	
4070017	5.35E-06	up	2.6585345	ODC1	4953	ODC1	NM_019269.1	chr2
2350703	0.02525105	down	1.9398931	STX3	6809	STX3	NM_002539.1	chr11
6840593	1.84E-05	up	2.0433857	ARMC10	83787	ARMC10	NM_004177.3	chr7
5690400	0.016376952	up	1.1395403	GSTTP2	653399	GSTTP2	NM_031905.2	chr22
2490615	0.005679548	up	1.1954671	NAF1	92345	NAF1	NR_003082.1	chr4
6130674	9.23E-05	up	1.4913437	HERC2	8924	HERC2	NM_138386.1	chr4
3870603	0.00472458	down	1.4423105	ZSWIM4	65249	ZSWIM4	NM_004667.4	chr15
2570202	0.015165595	up	1.3725126	TAF1B	9014	TAF1B	NM_023072.1	chr19
4220026	0.014837046	down	1.3800426	NUBP1	4682	NUBP1	NM_005680.1	chr2
6520528	6.21E-04	up	1.3671643	CDC4A	55038	CDC4A	NM_002484.2	chr16
290333	0.007499474	up	1.4927571	CDC4A	55038	CDC4A	NM_145701.1	chr14
6350341	0.010285765	up	1.223622	SDHAP3	728609	SDHAP3	NM_145701.1	chr14
4850181	0.002656123	up	1.2599677	PAICS	10606	PAICS	NR_003263.1	chr4
4050639	0.029387621	up	1.2673821	PAICS	10606	PAICS	NM_006452.3	chr4
6420424	0.037688464	up	1.2537386	PAICS	10606	PAICS	NM_006452.3	chr4
6420008	0.001885558	up	3.3585324	PROS1	5627	PROS1	NM_000313.1	chr3

2940722	0.008255756	up	1.1882199	ARID4B	51742	ARID4B	NM_016374.5	chr1
2470603	0.012376828	up	1.3687067	ARID4B	51742	ARID4B	NM_016374.5	chr1
6590722	0.005447194	up	1.3358738	ARID4B	51742	ARID4B	NM_016374.5	chr1
4390273	0.040792275	down	2.0232015	RASSF7	8045	RASSF7	NM_003475.2	chr11
1510608	0.006022668	down	3.7855067	HS.371609		HS.371609	BC036485	chr3
6270100	1.09E-06	down	2.1470728	LAMP1	3916	LAMP1	NM_005561.2	chr13
1510193	0.027457952	up	1.2911131	WTAP	9589	WTAP	NM_152858.1	chr6
2690348	0.03817956	up	1.3046937	WTAP	9589	WTAP	NM_152858.1	chr6
1110092	8.30E-05	down	6.3405166	CTSD	1509	CTSD	NM_001909.3	chr11
2450717	1.27E-04	up	1.9097201	BLM	641	BLM	NM_000057.2	chr15
3130672	0.013318022	down	1.324572	BET1L	51272	BET1L	NM_016526.3	chr11
4150397	0.036704104	up	1.3892293	HELQ	113510	HELQ	NM_133636.2	chr4
7100692	0.010928923	down	1.2107694	LOC653803	653803	LOC653803	XM_376278.3	chr3
1410408	1.74E-04	down	2.4657419	ARID5B	84159	ARID5B	NM_032199.1	chr10
7550333	0.008984586	down	1.5312235	PACSIN2	11252	PACSIN2	NM_007229.1	chr22
6220520	0.027457952	up	1.1531203	SPAST	6683	SPAST	NM_014946.3	chr2
7330053	0.016836017	down	3.1584363	HLA-F	3134	HLA-F	NM_018950.1	chr6
2360626	0.01704909	down	1.2604245	GPR175	131601	GPR175	NM_016372.1	chr3
4590110	0.041762006	down	1.6934608	9-Sep	10801	9-Sep	NM_006640.3	chr17
1740392	0.001242868	down	1.7354112	COMMD10	51397	COMMD10	NM_016144.2	chr5
6510719	9.04E-05	down	1.8715855	COMMD10	51397	COMMD10	NM_016144.2	chr5
3460086	0.018611321	up	1.2100644	SSH1	54434	SSH1	NM_018984.2	chr12
2470093	0.004000571	down	2.2092342	TJP2	9414	TJP2	NM_201629.1	chr9
2140630	0.003261215	down	1.2522273	GLE1	2733	GLE1	NM_001003722.1	chr9
3390437	0.010872277	down	1.2401888	GLE1	2733	GLE1	NM_001003722.1	chr9
5310711	2.12E-04	down	1.4051175	FAM160B1	57700	FAM160B1	NM_001135051.1	chr10
6550553	0.00364327	up	1.484739	TYW1	55253	TYW1	NM_018264.2	chr7
1110450	0.020844692	down	1.7087932	LOC644615	644615	LOC644615	XM_927730.1	chr12
4880433	0.001790699	down	1.3858504	IDH2	3418	IDH2	NM_002168.2	chr15
1580746	1.33E-04	up	1.3684057	LOC730246	730246	LOC730246	XR_016080.2	chr12
4260520	0.005422232	up	1.1993984	METAP2	10988	METAP2	NM_006838.3	chr5
2140605	0.005663494	up	1.3841115	ARL15	54622	ARL15	NM_019087.1	chr12
20068	0.018651376	down	3.573401	OTUD1	220213	OTUD1	XM_939698.1	chr5
70364	0.018110406	up	1.4128227	ARL5A	26225	ARL5A	NM_012097.3	chr2
1190626	0.012942268	down	1.3455193	ZMYND11	10771	ZMYND11	NM_006624.3	chr10
4280639	0.030251626	up	1.3897729	SH3GL1	6455	SH3GL1	NM_003025.2	chr19
6380100	0.024866326	up	1.145692	ANKHD1	54882	ANKHD1	NM_024668.2	chr5
5690075	1.17E-04	up	1.4300448	HSGT1	11319	HSGT1	XM_939187.1	chr17
620300	0.049965937	down	1.7989962	LASP1	3927	LASP1	NM_006148.1	chr21
6770209	0.005387981	down	2.643942	C2CD2	25966	C2CD2	NM_015500.1	chr20
2640471	0.004912526	down	1.4609567	RNF24	11237	RNF24	NM_007219.2	chr1
2450114	0.001757786	up	1.4352288	HS.193557		HS.193557	AK056963	chr1
1430577	0.026143175	up	1.5047635	COG5	10466	COG5	NM_006348.2	chr7
4040630	0.022748904	up	1.3177612	COG5	10466	COG5	NM_006348.2	chr7
1990538	0.023577144	up	1.143982	IL25	64806	IL25	NM_022789.2	chr14
4060035	0.006092303	up	1.2927668	WDR20	91833	WDR20	NM_181308.1	chr14
1450523	0.008729445	up	1.5529816	ECD	11319	ECD	NM_007265.1	chr10
730647	6.95E-05	up	1.6944897	ANAPC1	64682	ANAPC1	NM_022662.2	chr2
1820592	1.56E-04	up	2.692151	HIST2H2AA3	8337	HIST2H2AA3	NM_003516.2	chr1
610451	1.19E-04	up	3.5841	HIST2H2AA3	8337	HIST2H2AA3	NM_003516.2	chr1
20142	2.60E-04	down	1.7858539	ARPC5	10092	ARPC5	NM_005717.2	chr1

6060592	0.001463878	up	1.4522153	GNAI3	2773	GNAI3	NM_006496.1	chr1
7610537	0.029462533	up	1.4600798	HMGB2	3148	HMGB2	NM_002129.2	chr4
270292	0.003020539	up	2.9478278	FKBP1A	2280	FKBP1A	NM_054014.1	chr20
5670059	0.027049437	down	1.7379113	NRM	11270	NRM	NM_007243.1	chr6
7610382	1.30E-05	down	1.701951	ABHD12	26090	ABHD12	NM_001042472.1	chr20
630086	0.008397047	up	1.1454695	CCDC23	374969	CCDC23	NM_199342.1	chr1
6100441	0.037783347	up	1.4335183	PRPF4	9128	PRPF4	NM_004697.3	chr9
2470333	0.004724458	up	1.5215269	TBPL1	9519	TBPL1	NM_004865.2	chr6
1470242	0.011190144	down	1.1609632	NUDT5	11164	NUDT5	NM_014142.2	chr10
5080348	5.00E-06	up	2.2539425	WDFY2	115825	WDFY2	NM_052950.2	chr13
1300601	0.04077179	down	1.9751805	ST3GAL1	6482	ST3GAL1	NM_003033.2	chr8
4670519	0.002231106	up	1.6192989	DCTD	1635	DCTD	NM_001921.2	chr4
2480612	0.008019262	up	1.5929338	DCTD	1635	DCTD	NM_001921.2	chr4
4830189	0.005219303	up	1.5817492	LOC100131160	100131160	LOC100131160	XR_038937.1	chr5
7050300	0.015623561	down	1.593026	ZFP36L2	678	ZFP36L2	NM_006887.3	chr2
50435	0.008381861	up	2.0492625	DNM1L	10059	DNM1L	NM_012062.2	chr12
6350037	0.007386935	up	2.0347698	DNM1L	10059	DNM1L	NM_012062.2	chr12
2350678	0.007225518	down	1.1793041	HK1	3098	HK1	NM_000188.1	chr10
4760564	0.003592288	up	1.222143	SS18L2	51188	SS18L2	NM_016305.2	chr3
6480609	0.00697977	up	1.8496871	RRP1B	23076	RRP1B	NM_015056.2	chr21
4780072	0.010067591	down	4.0857697	TCEAL3	85012	TCEAL3	NM_001006933.1	chrX
6770746	1.60E-04	up	1.9574993	LOC728715	728715	LOC728715	XM_001128260.1	chr12
1230022	0.031963807	up	1.4701545	LOC642817	642817	LOC642817	XR_018564.1	chr10
5220672	6.01E-05	down	2.2678268	KIAA1600	57700	KIAA1600	NM_020940.2	chr15
6760026	0.011190144	up	1.5676694	LRRCS7	255252	LRRCS7	NM_153260.1	chr5
830039	0.037943203	down	1.4525056	ERGIC1	57222	ERGIC1	NM_001031711.1	chrX
6280079	0.040099304	up	1.279954	CSTF2	1478	CSTF2	NM_001325.2	chrX
3780450	0.018651376	up	1.2071924	BANP	54971	BANP	NM_079837.2	chr16
380373	0.008373527	up	1.2757927	BANP	54971	BANP	NM_079837.2	chr16
1340746	0.008697129	down	1.3194484	SLC45A3	85414	SLC45A3	NM_033102.2	chr1
5870594	0.016376952	up	1.2900325	RAB33B	83452	RAB33B	NM_031296.1	chr4
6280128	8.33E-04	up	1.8459736	KRT18	3875	KRT18	NM_199187.1	chr12
520201	0.006767302	down	2.0000644	C6orf136	221545	C6orf136	NM_145029.1	chr6
6520592	0.039001472	up	1.704387	SNHG4	724102	SNHG4	NR_003141.1	chr6
6510327	0.015165595	up	1.9571316	SNORD96A	619571	SNORD96A	NR_002592.1	chr5
4780358	0.014928359	down	1.2929244	STX7	8417	STX7	NR_002592.1	chr6
460561	0.04216233	down	1.5707867	CENPJ	55835	CENPJ	NM_003569.1	chr6
4560343	0.007837939	up	1.4298301	DMTF1	9988	DMTF1	NM_018451.3	chr13
2850064	0.047702927	up	1.3101746	DMTF1	9988	DMTF1	NM_021145.2	chr7
5670367	0.007908559	up	1.3400222	PHLDA1	22822	PHLDA1	NM_021145.2	chr7
6660446	0.002902611	down	1.3702499	WDR51A	25886	WDR51A	NM_007350.3	chr12
6840753	0.001207854	down	1.4623679	SPTLC2	9517	SPTLC2	NM_015426.2	chr3
3390504	0.013540696	up	1.3603824	RAPGEF6	51735	RAPGEF6	NM_004863.2	chr14
5360168	0.002683353	up	1.5011404	LOC652324	652324	LOC652324	NM_016340.4	chr5
1470170	0.001716533	down	1.6040182	C18orf8	29919	C18orf8	XM_941748.1	chr18
1500538	0.028316444	up	1.4123886	LOC645138	645138	LOC645138	NM_013326.3	chr16
5390520	0.016753023	up	1.3032947	C6orf162	57150	C6orf162	XM_928168.1	chr16
4760360	0.024347344	up	1.3727174	C6orf162	57150	C6orf162	NM_020425.4	chr6
5050255	0.00805515	up	1.3778971	MITD1	129531	MITD1	NM_020425.4	chr6
3130450	0.004000571	up	1.536884	ADK	132	ADK	NM_138798.1	chr2
2260070	0.007027358	up	1.5350097	MTERF	7978	MTERF	NM_006721.2	chr10
							NM_006980.3	chr7

1430497	0.027455691	up	1.4349262	MYO6	4646	MYO6	NM_004999.3	chr6
6620753	0.003524285	down	2.075547	ZFAND5	7763	ZFAND5	NM_006007.1	chr9
6560433	0.010667034	up	1.5042892	ARIH1	25820	ARIH1	NM_005744.2	chr15
5720056	6.26E-04	down	1.409481	MED10	84246	MED10	NM_032286.2	chr5
7210327	0.04089886	down	1.2654164	AADACL1	57552	AADACL1	NM_020792.3	chr3
4610201	4.02E-06	up	2.1394048	SNORA10	574042	SNORA10	NR_002327.1	chr16
5900433	1.89E-04	up	1.5273619	KIF20B	9585	KIF20B	NM_016195.2	chr10
4560328	0.019371372	up	4.5144815	FSCN1	6624	FSCN1	NM_003088.2	chr7
650301	0.013393724	up	1.1980251	SNRPF	6636	SNRPF	NM_003095.2	chr12
7400327	0.004905751	up	1.4771746	10-Sep	151011	10-Sep	NM_178584.1	chr2
5900132	0.007533994	up	2.0883927	LOC729222	729222	LOC729222	XR_037871.1	
610523	6.59E-04	up	1.2372061	C14orf142	84520	C14orf142	NM_032490.4	chr14
6420189	0.002830641	down	1.4272116	XPO6	23214	XPO6	NM_015171.2	chr16
1470465	0.045161564	up	1.214046	DUSP16	80824	DUSP16	NM_030640.1	chr12
5700561	0.010634885	up	1.2792665	FAM118B	79607	FAM118B	NM_024556.2	chr11
5080685	0.023145806	up	1.3678365	PPP2R1B	5519	PPP2R1B	NM_181699.2	chr11
3520689	7.68E-05	up	1.5195245	DDX19A	55308	DDX19A	NM_018332.3	chr16
7330519	0.002667134	up	1.6090857	DDX19A	55308	DDX19A	NM_018332.3	chr16
7040240	0.048319034	up	1.4655639	CHD2	1106	CHD2	NM_018332.3	chr16
1170468	0.004415529	up	1.3690145	UBE2MP1	606551	UBE2MP1	NM_001042572.2	chr15
2760079	0.042736515	down	1.7160803	FOXC1	2296	FOXC1	NR_002837.1	chr16
7200612	0.008754702	down	1.3044692	LOC730417	730417	LOC730417	NM_001453.1	chr6
6580678	4.82E-04	up	1.7798387	SYAP1	94056	SYAP1	NM_032796.2	chrX
4610414	0.002619966	up	1.2882988	SYAP1	94056	SYAP1	NM_032796.2	chrX
5690554	0.007719482	down	1.3795975	PPM1D	8493	PPM1D	NM_003620.2	chr17
5860204	0.016800137	up	3.8187506	FKBP11	51303	FKBP11	NM_016594.1	chr12
5220600	0.005938718	up	1.1836019	LOC100128883	100128883	LOC100128883	XR_038434.1	
110196	0.004217077	up	1.2225631	TMEM19	55266	TMEM19	NM_018279.3	chr12
4040678	0.008114188	up	1.2266164	TMEM19	55266	TMEM19	NM_018279.3	chr12
2000209	0.007584807	down	1.3111478	ZSWIM7	125150	ZSWIM7	NM_001042697.1	chr17
7380164	0.044406686	down	1.3530265	STX4	6810	STX4	NM_004604.3	chr16
5090040	1.89E-04	down	1.8567826	ING1	3621	ING1	NM_198219.1	chr13
2190441	7.65E-04	down	1.2482214	LOC729200	729200	LOC729200	XR_015946.2	
7000468	0.012563602	up	1.2762533	FBXO11	80204	FBXO11	NM_025133.3	chr2
3420402	0.017445626	down	1.125716	KIAA1271	57506	KIAA1271	NM_020746.1	chr20
7400110	0.00491933	up	1.2634538	SFRS12	140890	SFRS12	NM_001077199.1	chr5
3990600	0.030264212	up	1.3927318	TMEM93	83460	TMEM93	NM_031298.2	chr17
1690348	0.008436898	up	2.0001335	WDR57	9410	WDR57	NM_004814.1	chr1
4210750	0.004691389	up	1.5093545	STARD7	56910	STARD7	NM_020151.2	chr2
990332	0.04842284	up	1.2241956	FAM175A	84142	FAM175A	NM_139076.2	chr4
4150167	0.030298093	up	1.349906	LOC144438	144438	LOC144438	NR_024266.1	chr12
5690411	0.005911836	down	1.1775737	MAFF	23764	MAFF	NM_012323.2	chr22
1430138	0.02828804	down	1.4600403	MAFF	23764	MAFF	NM_012323.2	chr22
7320110	0.012828085	down	1.2606574	C6orf106	64771	C6orf106	NM_024294.2	chr6
4490142	0.047627363	down	1.5622225	NRBP2	340371	NRBP2	NM_178564.2	chr8
990193	0.004947385	down	1.470607	SF3B4	10262	SF3B4	NM_005850.3	chr1
4810139	0.01652416	down	1.591027	C9orf40	55071	C9orf40	NM_017998.1	chr9
3930452	0.00304243	down	1.556609	CDC2L6	23097	CDC2L6	NM_015076.3	chr6
4880360	0.009619284	up	1.6381229	FBL	2091	FBL	NM_001436.2	chr19
7610026	0.033756323	down	1.2040527	PNPLA8	50640	PNPLA8	NM_015723.2	chr7
3170066	0.019536627	up	1.8628477	FANCI	55215	FANCI	NM_018193.2	chr15

2320053	0.006087257	down	1.3428713	SAP30L	79685	SAP30L	NM_024632.4	chr5
4070324	0.003783253	down	1.6177503	CAPRIN1	4076	CAPRIN1	NM_203364.2	chr11
990121	6.87E-05	up	1.5378981	ARHGAP11A	9824	ARHGAP11A	NM_014783.2	chr15
2900204	0.043752886	down	1.1866394	RFX1	5989	RFX1	NM_002918.3	chr19
1240154	0.014934479	up	1.5971006	LOC727980	727980	LOC727980	XR_036910.1	chr14
1030471	8.52E-04	down	1.4008046	SEC61A1	29927	SEC61A1	NM_013336.3	chr3
6290471	0.040099304	down	1.6826969	LOC100134424	100134424	LOC100134424	XR_038546.1	chrX
4250156	0.039413914	up	1.5283284	EBP	10682	EBP	NM_006579.1	chrX
7100546	0.002008157	up	1.4745312	LRWD1	222229	LRWD1	NM_152892.1	chr7
2100053	0.014262165	down	1.819583	ST5	6764	ST5	NM_139157.2	chr11
4730014	0.015745157	up	1.2561715	TXNL4A	10907	TXNL4A	NM_006701.2	chr18
2750129	0.007401505	down	1.2730597	C6orf211	79624	C6orf211	NM_024573.1	chr6
3710465	0.007761116	down	1.2815952	C6orf211	79624	C6orf211	NM_024573.1	chr6
2970348	0.009840684	up	1.3257477	TRAF3IP1	26146	TRAF3IP1	NM_015650.2	chr2
6290524	3.43E-05	up	1.4005473	TOR1AIP1	26092	TOR1AIP1	NM_015602.2	chr1
60369	0.01779086	down	1.264255	LOC440145	440145	LOC440145	NM_001071775.1	chr13
1660181	1.49E-04	down	1.8468962	LOC440145	440145	LOC440145	NM_001071775.1	chr13
6420446	9.43E-04	down	1.2497536	CMPK1	51727	CMPK1	NM_016308.1	chr1
1090470	1.41E-06	down	2.560421	LOC92755	92755	LOC92755	XR_018705.2	chr1
2370192	0.0263322	up	1.3104982	LOC441506	441506	LOC441506	XR_019580.2	chr7
6660259	0.011286226	down	1.367404	RBBP9	10741	RBBP9	NM_006606.2	chr20
1820209	0.032250546	up	1.6827694	LOC647009	647009	LOC647009	XM_929993.1	chr7
6520273	0.004205605	up	1.4035722	LOC646527	646527	LOC646527	XR_016632.2	chr13
3420541	0.048360318	down	1.4690263	TMEM97	27346	TMEM97	NM_014573.2	chr17
3120519	0.018492218	up	2.2547915	SYPL1	6856	SYPL1	NM_182715.1	chr7
4120086	6.35E-04	down	2.1832025	LAMC1	3915	LAMC1	NM_002293.2	chr1
5870475	4.29E-04	up	1.5523921	SNORA62	6044	SNORA62	NR_002324.1	chr3
1430427	0.003678613	up	2.1759138	SNORD16	595097	SNORD16	NR_002440.1	chr15
5810600	0.005132305	up	1.546477	MAP3K5	4217	MAP3K5	NM_005923.3	chr6
2650524	0.001258248	up	1.8133117	RPL34	6164	RPL34	NM_033625.2	chr4
2030315	7.44E-04	down	1.3570424	RFC4	5984	RFC4	NM_181573.1	chr3
3800392	2.48E-04	down	2.7446172	GRINA	2907	GRINA	NM_001009184.1	chr8
2070669	0.002196281	down	2.0642707	CDC42EP3	10602	CDC42EP3	NM_006449.3	chr2
7560255	2.41E-07	up	2.201138	ARSK	153642	ARSK	NM_198150.1	chr5
3180468	0.005467292	up	1.7531039	LOC286208	286208	LOC286208	XM_379668.3	chr9
7150608	0.033818807	up	1.216969	CXorf40B	541578	CXorf40B	NM_001013845.1	chrX
540446	0.005243494	up	1.332402	TMM8B	26521	TMM8B	NM_012459.1	chr11
2650100	0.001759604	down	1.8911297	LRRc8D	55144	LRRc8D	NM_018103.3	chr1
1300608	0.009641502	up	1.4936693	SNHG9	735301	SNHG9	NR_003142.2	chr16
6510446	0.007908559	up	1.3012037	PRKD2	25865	PRKD2	NM_001079881.1	chr19
7000487	0.001156658	down	1.3643568	LOC100131688	100131688	LOC100131688	XM_001718246.1	chr16
6940619	2.60E-04	up	1.6026876	2-Sep	4735	2-Sep	NM_001008491.1	chr2
2650671	0.030638162	up	1.5141183	METT11D1	64745	METT11D1	NM_001029991.1	chr14
2100612	2.82E-05	down	2.4143672	EZR	7430	EZR	NM_003379.4	chr6
7150070	0.0335015	up	1.3598557	ARHGEF11	9826	ARHGEF11	NM_014784.2	chr1
2940307	0.017619539	up	1.2933742	LOC402677	402677	LOC402677	XM_943039.1	chr1
650402	0.037140276	up	1.2673115	SNORA11D	100124541	SNORA11D	NR_003711.1	chrX
4230040	6.28E-04	down	1.548857	LOC729905	729905	LOC729905	XM_001131725.1	chr22
3890189	0.011133141	up	1.2319155	TTL4	9654	TTL4	NM_014640.3	chr2
6650242	0.012874484	down	2.3865538	IFITM3	10410	IFITM3	NM_021034.2	chr11
3180438	0.017705789	up	1.1771746	RPS3A	6189	RPS3A	NM_001006.3	chr4

6380255	0.004207247	up	1.2481297	RPS3A	6189	RPS3A	NM_001006.3	RPS3A	NM_001006.3	chr4
6560164	0.019493777	up	1.1134703	RPS3A	6189	RPS3A	NM_001006.3	RPS3A	NM_001006.3	chr4
6770576	0.001954342	up	1.2216619	C21orf91	54149	C21orf91	NM_017447.3	C21orf91	NM_017447.3	chr21
2940403	0.001804664	up	2.6423066	FAM60A	58516	FAM60A	NM_001135811.1	FAM60A	NM_001135811.1	chr12
2140438	0.022191137	up	1.3532336	INO80D	54891	INO80D	NM_017759.4	INO80D	NM_017759.4	chr2
4570736	0.003040285	up	1.3516657	GTF2I	2969	GTF2I	NM_033001.1	GTF2I	NM_033001.1	chr7
160286	0.032240115	up	1.398506	SCAMP4	113178	SCAMP4	NM_079834.2	SCAMP4	NM_079834.2	chr19
7550743	0.004793124	up	1.4271885	LOC203547	203547	LOC203547	NM_001017980.2	LOC203547	NM_001017980.2	chrX
2340689	0.008031054	up	1.4022424	CLN6	54982	CLN6	NM_017882.1	CLN6	NM_017882.1	chr15
6020719	3.17E-06	up	1.72973	RAB23	51715	RAB23	NM_016277.3	RAB23	NM_016277.3	chr6
3930047	6.12E-05	up	1.6605489	RAB23	51715	RAB23	NM_016277.3	RAB23	NM_016277.3	chr6
2600487	0.008898777	up	1.2025185			HS.550139	CA392270		CA392270	chr13
3460687	0.04536659	up	1.7343603	RRP12	23223	RRP12	NM_015179.2	RRP12	NM_015179.2	chr10
5550709	0.027647743	up	1.9819986	CASP6	839	CASP6	NM_001226.3	CASP6	NM_001226.3	chr4
4730577	0.02314156	up	1.800025	CASP6	839	CASP6	NM_001226.3	CASP6	NM_001226.3	chr4
2510014	0.008534805	up	1.4117016	TNPO1	3842	TNPO1	NM_153188.2	TNPO1	NM_153188.2	chr5
4810187	0.02263057	down	1.387255	STAT1	6772	STAT1	NM_007315.2	STAT1	NM_007315.2	chr2
270326	0.032086723	up	1.2087418	LOC730176	730176	LOC730176	XR_041791.1	LOC730176	XR_041791.1	chr14
5820064	8.08E-04	up	1.3658792	MYST4	23522	MYST4	NM_012330.2	MYST4	NM_012330.2	chr10
50537	0.006697733	up	1.4798772	MSL3	10943	MSL3	NM_078629.2	MSL3	NM_078629.2	chrX
3420519	0.012211019	down	2.4104338	PPP2R3A	5523	PPP2R3A	NM_181897.1	PPP2R3A	NM_181897.1	chr3
10612	0.025212642	down	1.6647898	RBM17	84991	RBM17	NM_032905.3	RBM17	NM_032905.3	chr10
650156	0.001776023	up	1.2566979	ZWINT	11130	ZWINT	NM_032997.2	ZWINT	NM_032997.2	chr10
2600553	0.003902665	up	1.4842507	MCRS1	10445	MCRS1	NM_006337.3	MCRS1	NM_006337.3	chr12
4810370	1.88E-04	up	1.3710434	UBR1	197131	UBR1	NM_174916.1	UBR1	NM_174916.1	chr15
5870468	0.017411608	up	1.5936928	RBMS2P	643427	RBMS2P	XR_019556.2	RBMS2P	XR_019556.2	chr3
4570326	0.03173267	up	1.2962614	TAF6	6878	TAF6	NM_139315.1	TAF6	NM_139315.1	chr7
6180598	1.75E-05	up	2.2289217	NDUFAF1	51103	NDUFAF1	NM_016013.2	NDUFAF1	NM_016013.2	chr15
5670039	0.042891715	up	1.1620336	LOC100134407	100134407	LOC100134407	XM_001715747.1	LOC100134407	XM_001715747.1	chr15
1770386	0.005197355	down	2.4633648	MALT1	10892	MALT1	NM_006785.2	MALT1	NM_006785.2	chr18
3180670	2.05E-04	up	1.3601688	LOC401002	401002	LOC401002	XR_018284.1	LOC401002	XR_018284.1	chr14
6250494	0.03762065	up	1.181567	GPHN	10243	GPHN	NM_020806.4	GPHN	NM_020806.4	chr2
7160382	0.00266217	up	1.5094324	UBXN2A	165324	UBXN2A	NM_181713.3	UBXN2A	NM_181713.3	chr2
6330187	0.004141925	up	1.7309804	PLS1	5357	PLS1	NM_002670.1	PLS1	NM_002670.1	chr3
2320129	0.044919584	down	1.2035426	CSDA	8531	CSDA	NM_003651.3	CSDA	NM_003651.3	chr12
1710228	5.35E-04	up	1.5846293	LOC729423	729423	LOC729423	XM_001726948.1	LOC729423	XM_001726948.1	chr1
7160450	7.33E-04	up	1.3307686	PDE8A	5151	PDE8A	NM_002605.2	PDE8A	NM_002605.2	chr15
7160709	8.08E-04	down	2.2743807	HOMER3	9454	HOMER3	NM_004838.2	HOMER3	NM_004838.2	chr19
7100093	0.011777161	up	1.6044955	AMMECR1	9949	AMMECR1	NM_001025580.1	AMMECR1	NM_001025580.1	chrX
6220736	1.56E-04	up	1.9530207	FANCB	2187	FANCB	NM_152633.2	FANCB	NM_152633.2	chrX
5890255	0.001632899	up	1.2572968	LOC728312	728312	LOC728312	XR_042333.1	LOC728312	XR_042333.1	chr21
990097	0.013521361	up	1.8506821	LOC729317	729317	LOC729317	XM_001133585.1	LOC729317	XM_001133585.1	chr2
770672	0.037372235	up	1.2549727	THOP1	7064	THOP1	NM_003249.3	THOP1	NM_003249.3	chr19
2760202	0.02630785	up	1.4355435	AP3M1	26985	AP3M1	NM_012095.4	AP3M1	NM_012095.4	chr10
4920601	0.016800137	down	1.3941534	LOC729666	729666	LOC729666	XR_037303.1	LOC729666	XR_037303.1	chr4
3870372	0.004037058	up	2.0829563	MND1	84057	MND1	NM_032117.2	MND1	NM_032117.2	chr4
7550730	1.50E-06	up	2.9811668	MND1	84057	MND1	NM_032117.2	MND1	NM_032117.2	chr4
6330092	0.043493427	up	1.2523295	USP16	10600	USP16	NM_006447.2	USP16	NM_006447.2	chr21
1340717	0.013837497	up	1.3139029	USP16	10600	USP16	NM_006447.2	USP16	NM_006447.2	chr21
1010537	0.03559209	up	1.2745148	MMADHC	27249	MMADHC	NM_015702.2	MMADHC	NM_015702.2	chr2
7560538	0.00196317	down	2.0112958	ITCH	83737	ITCH	NM_031483.3	ITCH	NM_031483.3	chr20

2810521	0.027261855	up	1.1459898	LOC647276	647276	LOC647276	647276	LOC647276	XR_017675.2	chr3
360653	0.004648794	up	1.234898	LOC647276	647276	LOC647276	647276	LOC647276	XR_017675.2	chr3
2760209	0.001035624	up	1.245537	LOC100132992	100132992	LOC100132992	100132992	LOC100132992	XR_037398.1	chr18
2450398	0.029945191	down	1.4453181	C20orf30	29058	C20orf30	29058	C20orf30	NM_001009924.1	chr20
4390072	0.040188435	up	1.2988192	CCDC104	112942	CCDC104	112942	CCDC104	NM_080667.3	chr2
7200561	0.012611196	down	3.9392436	OTUD1	220213	OTUD1	220213	OTUD1	NM_001134465.1	chr7
3890431	0.017131655	down	1.5234283	AGAP3	116988	AGAP3	116988	AGAP3	NM_001042535.1	chr12
3840750	0.008897665	up	1.3382912	GATC	283459	GATC	283459	GATC	NM_176818.1	chr19
2480630	0.049965937	down	1.4247928	GMPS	8833	GMPS	8833	GMPS	NM_003875.2	chr3
4480603	6.95E-05	up	1.6933763	RBM10	8241	RBM10	8241	RBM10	NM_152856.1	chrX
2940110	0.008235865	up	1.7342125	UHRF1	29128	UHRF1	29128	UHRF1	NM_001048201.1	chr19
110195	9.68E-06	up	1.5591214	LOC646197	646197	LOC646197	646197	LOC646197	XM_929153.1	chr8
7200161	0.013098165	up	1.4530888	KIAA1826	84437	KIAA1826	84437	KIAA1826	NM_032424.1	chr11
4640689	0.038422104	down	1.1881331	EIF4A2	1974	EIF4A2	1974	EIF4A2	NM_001967.3	chr3
1090647	0.03677589	down	1.1921346	LOC441896	441896	LOC441896	441896	LOC441896	XR_038885.1	chr3
3930278	0.013481063	up	1.7383801	TMEM177	80775	TMEM177	80775	TMEM177	XM_030577.1	chr2
3130358	0.001694116	up	1.6237237	HS.25892		HS.25892		HS.25892	AK096179	chr7
7610408	1.46E-04	up	1.4760487	GNL3L	54552	GNL3L	54552	GNL3L	NM_019067.4	chrX
5900746	7.21E-05	up	1.7297777	GNL3L	54552	GNL3L	54552	GNL3L	NM_019067.4	chrX
4780102	0.013312706	up	1.2651185	DIS3L2	129563	DIS3L2	129563	DIS3L2	NM_152383.4	chr2
1820504	0.04140485	down	1.2144908	NME1	4830	NME1	4830	NME1	NM_000269.2	chr17
3990497	0.029513216	up	1.2418541	SNORA61	677838	SNORA61	677838	SNORA61	NR_002987.1	chr1
780019	0.025238369	down	1.491228	LOC642975	642975	LOC642975	642975	LOC642975	XR_036988.1	chr1
5130722	0.004831708	up	1.2366918	LOC100129094	100129094	LOC100129094	100129094	LOC100129094	XM_001722254.1	chr6
7650053	0.024880588	up	1.2897655	ECHDC1	55862	ECHDC1	55862	ECHDC1	NM_018479.2	chr11
6760386	0.002225753	down	3.3677268	LOC283267	283267	LOC283267	283267	LOC283267	NR_015451.1	chr19
6650201	0.009751134	up	1.3644054	CCDC97	90324	CCDC97	90324	CCDC97	NM_052848.1	chr19
3850278	0.022995422	up	1.272902	LOC641849	641849	LOC641849	641849	LOC641849	XM_935589.1	chrX
3370424	1.90E-04	up	2.0790045	ERCC6L	54821	ERCC6L	54821	ERCC6L	NM_017669.2	chrX
5050181	1.41E-04	up	2.0077736	ERCC6L	54821	ERCC6L	54821	ERCC6L	NM_017669.2	chrX
4390367	0.01615302	up	1.5921794	LOC389049	389049	LOC389049	389049	LOC389049	XR_017334.2	chr2
6560376	0.001955431	up	1.1217875	RPS26P11	441502	RPS26P11	441502	RPS26P11	NR_002309.1	chrX
2470746	0.04058549	up	1.4913075	MAK10	60560	MAK10	60560	MAK10	NR_024635.3	chr9
7160719	5.25E-05	up	1.6663448	CCT7	10574	CCT7	10574	CCT7	NM_006429.2	chr2
5270500	0.001073812	up	1.5215605	CCT7	10574	CCT7	10574	CCT7	NM_006429.2	chr2
6020424	1.52E-04	down	1.8748138	LMNA	4000	LMNA	4000	LMNA	NM_005572.3	chr1
2630768	0.002609564	down	1.7105966	LMNA	4000	LMNA	4000	LMNA	NM_005572.3	chr1
580154	0.013393724	up	1.1993146	PDF	64146	PDF	64146	PDF	NM_022341.1	chr16
2750670	0.001833525	up	1.4594798	SCARNA18	677665	SCARNA18	677665	SCARNA18	NR_003139.1	chr5
5310632	0.021148534	down	1.6133417	LOC643319	643319	LOC643319	643319	LOC643319	XM_927980.1	chr8
2370204	0.026292332	up	1.4898077	CCNC	892	CCNC	892	CCNC	NM_001013399.1	chr6
5670315	6.40E-05	up	1.7049102	LSM7	51690	LSM7	51690	LSM7	NM_016199.1	chr19
5340747	0.002411031	down	1.4378132	ARHGAP12	94134	ARHGAP12	94134	ARHGAP12	NM_018287.4	chr10
6220112	0.042448364	up	1.4698732	SCARNA9	619383	SCARNA9	619383	SCARNA9	NR_002569.1	chr11
5560349	0.011052934	up	1.2275982	RPS11	6205	RPS11	6205	RPS11	NM_001015.3	chr19
360050	0.004577403	up	1.4235358	C7orf27	221927	C7orf27	221927	C7orf27	NM_152743.2	chr7
2120224	0.002394329	down	4.43085	ANKRD13A	88455	ANKRD13A	88455	ANKRD13A	NM_033121.1	chr12
460132	0.04995625	up	1.122361	ZNF75D	7626	ZNF75D	7626	ZNF75D	NM_007131.2	chrX
6350437	1.34E-06	down	3.3211882	CELSR3	1951	CELSR3	1951	CELSR3	NM_001407.2	chr3
6760270	0.005419099	down	1.3643045	C17orf100	388327	C17orf100	388327	C17orf100	NM_001105520.1	chr17
50170	0.016402893	up	1.1542618	SBDS	51119	SBDS	51119	SBDS	NM_016038.2	chr7

7160674	0.001814067	down	1.3629278	UBQLN1	29979	UBQLN1	NM_013438.3	chr9
5220309	0.005829353	down	2.1590588	RILPL1	353116	RILPL1	NM_178314.2	chr12
3850008	0.041348428	up	1.3612703	LOC654189	654189	LOC654189	XM_942687.1	
6110576	0.02156912	up	1.2102357	LOC654069	654069	LOC654069	XM_942086.1	
6900402	0.004453121	down	1.234719	OXA1L	5018	OXA1L	NM_005015.1	chr14
780626	0.007402546	down	1.5918025	NBPF3	84224	NBPF3	NM_032264.2	chr1
5080431	0.047863368	down	1.294918	NBPF3	84224	NBPF3	NM_032264.2	chr1
2600630	0.016444815	up	1.2404628	CCT6A	908	CCT6A	NM_001762.3	chr7
2120709	4.09E-04	down	1.9519076	PGBD3	267004	PGBD3	NM_170753.1	chr10
1980669	0.003281377	up	1.8843002	SNORD68	606500	SNORD68	NR_002450.1	chr16
6380709	0.024743013	up	1.195632	SETD4	54093	SETD4	NM_017438.2	chr21
3290411	0.023634488	up	1.3630327	KIAA1804	84451	KIAA1804	NM_032435.1	chr1
6290719	0.039507687	up	1.1651875	DPAGT1	1798	DPAGT1	NM_001382.2	chr11
2680176	0.0190119	up	1.1817046	DPAGT1	1798	DPAGT1	NM_001382.2	chr11
130187	0.002683353	up	1.7356348	PAPSS1	9061	PAPSS1	NM_005443.4	chr4
460411	0.001864863	up	2.1062067	IPO8	10526	IPO8	NM_006390.2	chr12
7570209	0.003664457	down	1.2244072	ARMC1	55156	ARMC1	NM_018120.3	chr8
7100672	0.005467292	up	1.1364619	MRPL52	122704	HS.150668	AA948063	chr2
7000692	0.036156278	up	1.6874367	MRPL52	9055	MRPL52	NM_181306.1	chr14
2070494	0.007086068	up	1.476385	PRC1	730358	PRC1	NM_199413.1	chr15
610068	0.002667134	up	1.6272279	LOC730358	730358	LOC730358	XM_001131842.1	
2630017	1.66E-04	down	1.8767755	TPST2	8459	TPST2	NM_001008566.1	chr22
5690347	1.04E-06	down	2.1151915	TPST2	8459	TPST2	NM_001008566.1	chr22
60672	0.023779133	down	1.6606336	ZNF217	7764	ZNF217	NM_006526.2	chr20
2600519	0.045695383	up	1.3202417	C21orf70	85395	C21ORF70	NM_058190.2	chr21
620440	0.016034324	up	1.3735386	C21orf70	85395	C21ORF70	NM_058190.2	chr21
3170746	0.017554432	up	1.3021929	C21orf70	85395	C21ORF70	NM_058190.2	chr21
5670523	1.36E-05	up	1.5758328	CIAPIN1	57019	CIAPIN1	NM_020313.2	chr16
7210743	0.002926371	down	1.4039295	CCHCR1	54535	CCHCR1	NM_019052.2	chr6
2630474	0.030096347	up	3.6661682	MLLT11	10962	MLLT11	NM_006818.3	chr1
650349	0.036760982	up	1.1418351	RPS28	6234	RPS28	NM_001031.4	chr19
6100022	4.50E-04	up	2.5385106	HIST2H2AC	8338	HIST2H2AC	NM_003517.2	chr1
6180626	0.004841083	up	1.6149507	POLR1B	84172	POLR1B	NM_019014.3	chr2
5890646	0.02232394	up	1.5596452	POLR1B	84172	POLR1B	NM_019014.3	chr2
4230719	4.27E-04	down	1.4040344	GNB1L	54584	GNB1L	NM_053004.2	chr22
7160082	3.16E-05	down	1.5985416	KLHDC10	23008	KLHDC10	NM_014997.2	chr7
2340348	8.19E-04	down	1.311974	KLHDC10	23008	KLHDC10	NM_014997.2	chr7
4220133	0.043788206	up	1.2573	ATXN1L	342371	ATXN1L	NM_001137675.2	chr16
4480520	0.008869119	down	2.624224	HLTF	6596	HLTF	NM_139048.2	chr3
290296	0.002666895	down	1.5815158	FAM113A	64773	FAM113A	NM_022760.3	chr20
1500192	0.015056831	up	1.9075618	HIST3H2A	92815	HIST3H2A	NM_033445.2	chr1
1070047	0.003191514	down	1.9326732	CDC42EP4	23580	CDC42EP4	NM_012121.4	chr17
3930767	0.003708785	down	1.6162015	PDLIM5	10611	PDLIM5	NM_006457.2	chr4
2360768	0.040405925	up	1.2200629	U2AF2	11338	U2AF2	NM_007279.2	chr19
6420068	0.00760451	up	1.3371727	SNORD11	692058	SNORD11	NR_003031.1	chr2
1980521	0.040687513	down	3.206488	SLC44A2	57153	SLC44A2	NM_020428.2	chr19
3190470	0.001405309	up	1.4413295	PLK4	10733	PLK4	NM_014264.3	chr4
3310471	0.017609863	down	1.8804725	TMEM99	147184	TMEM99	NM_145274.2	chr17
2360139	0.015201779	up	1.1586764	LOC645899	645899	LOC645899	XM_941610.2	
2900446	0.02420551	up	1.3140564	LOC728889	728889	LOC728889	XR_015885.2	chr17
1300270	0.002287538	up	1.3687402	PCDHB19P	84054	PCDHB19P	NR_001282.1	chr5

380369	2.32E-05	up	1.5651357	TRRAP	8295	TRRAP	NM_003496.1	chr7
270022	4.35E-04	up	1.5447633	CEP135	9662	CEP135	NM_025009.3	chr4
4260403	0.003710683	up	1.381055	NAPEPLD	222236	NAPEPLD	NM_198990.3	chr7
2120603	0.017428711	up	1.5583882	NAPEPLD	222236	NAPEPLD	NM_198990.3	chr7
2370372	0.02323855	down	3.0301037	HS.575696		HS.575696	CX782759	
130220	0.036863733	up	1.4433525	MRT04	51154	MRT04	NM_016183.3	chr1
1850487	0.021284292	up	1.320792	LOC730324	730324	LOC730324	XM_001722095.1	chr7
7040162	9.06E-04	up	1.6139832	C21orf59	56683	C21orf59	NM_021254.1	chr21
3180647	0.017919412	up	1.1441042	SNORA72	26775	SNORA72	NR_002581.1	chr8
6510148	0.03483007	up	1.440397	FTSJ1	24140	FTSJ1	NM_012280.2	chrX
1110605	0.012388372	up	1.8752662	FTSJ1	24140	FTSJ1	NM_012280.2	chrX
1780367	0.001498685	up	1.4665232	C12orf44	60673	C12orf44	NM_001098673.1	chr12
2510551	0.00269272	down	2.208891	STK3	6788	STK3	NM_006281.2	chr8
1940228	0.030021917	up	1.4423602	FAM58A	92002	FAM58A	NM_152274.2	chrX
5890242	0.007837939	up	3.0248308	SH3BGR1	6451	SH3BGR1	NM_003022.1	chrX
2900626	0.016121324	up	1.1652467	SRI	6717	SRI	NM_198901.1	chr7
520484	0.019536627	up	1.1663945	USP15	9958	USP15	NM_006313.1	chr12
510332	0.011706498	up	2.4072409	HS.505676		HS.505676	AK091091	chr12
1170019	0.008933779	up	1.3314092	C9orf16	79095	C9orf16	NM_024112.3	chr9
1580187	0.032240115	up	1.088503	RPS17	6218	RPS17	NM_001021.3	chr15
4880392	0.019682681	down	1.8562036	KIAA1539	80256	KIAA1539	NM_025182.2	chr9
6620437	0.020544833	up	3.1467862	HOXA5	3202	HOXA5	NM_019102.2	chr7
360114	0.039130714	down	5.7482824	CTXN1	404217	CTXN1	NM_206833.2	chr19
5090072	0.03305638	up	1.2028141	C9orf80	58493	C9orf80	NM_021218.1	chr9
1820097	0.016163701	down	1.2368128	ZNF410	57862	ZNF410	NM_021188.1	chr14
1510719	4.17E-05	up	1.5811124	PLDN	26258	PLDN	NM_012388.2	chr15
3190300	0.001168054	up	1.157712	LOC728244	728244	LOC728244	XR_018431.1	chr9
7650474	0.001210105	up	1.7090083	PHF19	26147	PHF19	NM_001009936.1	chr9
5550402	3.90E-04	up	1.8260146	PHF19	26147	PHF19	NM_001009936.1	chr9
7550437	0.022206299	down	1.4346341	PLEKHM1	9842	PLEKHM1	XM_001128220.1	chr19
6040138	0.025829209	up	1.3669949	SNRPD2	6633	SNRPD2	NM_004597.4	chr1
6380376	0.004223739	down	1.6066071	USP21	27005	USP21	NM_012475.4	chr1
360382	1.66E-04	down	1.3130679	LOC647340	647340	LOC647340	XR_018104.1	chr16
2260255	0.038901467	up	1.2055176	NFATC3	4775	NFATC3	NM_004555.2	chr16
6420228	0.035676837	up	1.3399714	LOC100128836	100128836	LOC100128836	XR_038689.1	chr3
1090520	0.01789055	up	1.3372341	MAGEF1	64110	MAGEF1	NM_022149.4	chrX
2630189	0.004037814	up	1.4192921	PHF16	9767	PHF16	NM_001077445.1	chrX
2030730	0.042736515	down	1.1696777	UBE2I	7329	UBE2I	NM_194260.1	chr16
1090433	0.00619453	up	1.2141588	RNF41	10193	RNF41	NM_194359.1	chr12
1470093	2.68E-04	up	1.5023884	LOC440776	440776	LOC440776	XM_496483.3	chr21
6650687	3.80E-05	up	1.9865347	PIGA	5277	PIGA	NM_020473.2	chrX
7560703	2.40E-04	up	1.5199127	PIGA	5277	PIGA	NM_020473.2	chrX
430224	0.02232394	up	1.5594656	CHD4	1108	CHD4	NM_001273.2	chr12
6480112	0.005984669	up	1.342207	HS.163264		HS.163264	AW979088	chr18
5910397	5.64E-04	up	2.2736788	LIAS	11019	LIAS	NM_006859.2	chr4
7040037	0.020880662	up	1.5459753	CUEDC2	79004	CUEDC2	NM_024040.2	chr10
4250446	0.019649873	up	1.3542231	LOC388707	388707	LOC388707	XR_017679.2	chr1
6760020	0.002373909	up	1.2797376	LOC100132793	100132793	LOC100132793	XR_038591.1	chr7
3890632	0.008112149	up	2.0587525	DNM1L	10059	DNM1L	NM_012063.1	chr12
3170468	6.59E-04	up	1.4982921	CSNK1A1	1452	CSNK1A1	NM_001892.4	chr5
2120544	0.021280646	up	2.235731	IMP3	55272	IMP3	NM_018285.2	chr15

1050750	2.80E-04	up	1.45351	CLPTM1L	81037	CLPTM1L	NM_030782.3	chr5
4780112	0.027595613	up	1.2530364	CEP290	80184	CEP290	NM_025114.2	chr12
2690022	0.011054659	up	1.356058	CIAO1	9391	CIAO1	NM_004804.2	chr2
4900605	0.003693169	up	1.2139899	AMMECR1L	83607	AMMECR1L	NM_031445.2	chr2
6520577	0.003705515	up	1.2882323	DIP2A	23181	DIP2A	NM_015151.2	chr21
4670497	0.004019164	up	1.159454	LOC727970	727970	LOC727970	XR_038898.1	chrX
830138	0.022349996	up	1.8965257	LOC653103	653103	LOC653103	XM_926036.1	chrX
2510392	0.032250546	down	1.269355	TMEM43	79188	TMEM43	NM_024334.1	chr3
5290050	0.027696751	up	1.92138	HOMER1	9456	HOMER1	NM_004272.3	chr5
3990148	0.027308417	up	1.5975077	PSMC3IP	29893	PSMC3IP	NM_016556.1	chr17
5960504	0.041806962	up	1.4318016	PSMC3IP	29893	PSMC3IP	NM_016556.1	chr17
5050717	0.00102799	down	1.444105	SPAG16	79582	SPAG16	NM_001025436.1	chr2
5310463	0.005555363	up	1.4170653	SNORD57	26792	SNORD57	NR_002738.1	chr20
6130220	0.005243494	up	1.8682362	SNRNP40	9410	SNRNP40	NM_004814.2	chr1
2690349	0.006225777	up	1.4710037	PHF6	84295	PHF6	NM_001015877.1	chrX
4290072	0.00968404	up	1.5102149	SERTAD1	29950	SERTAD1	NM_013376.3	chr19
2340414	0.001608585	down	2.2996838	HS.568777		HS.568777	NM_013376.3	chr10
510288	0.01418294	down	1.7190317	MFSD1	64747	MFSD1	BU838786	chr3
3060398	0.026446791	down	1.7311342	PTRF	5792	PTRF	NM_022736.1	chr3
7050138	0.010423513	up	1.4344546	RQCD1	9125	RQCD1	NM_002840.3	chr1
4200291	9.98E-04	up	1.4740528	TCF12	6938	TCF12	NM_005444.1	chr2
1230731	0.02237853	up	1.6028694	NFXL1	152518	NFXL1	NM_207038.1	chr15
4060484	0.003708785	up	1.3245281	ZC3H15	55854	ZC3H15	NM_152995.4	chr4
2360576	2.39E-06	down	1.797763	LOC643224	643224	LOC643224	NM_018471.2	chr2
7650735	0.005420349	down	1.5137906	VPS72	6944	VPS72	NM_932717.2	chr9
1430537	0.016355978	down	1.5437658	TMEM106C	79022	TMEM106C	NM_005997.1	chr1
3840446	0.025685223	up	1.2228818	TIMM23	10431	TIMM23	NM_024056.2	chr12
520577	0.025603345	up	1.275227	TIMM23	10431	TIMM23	NM_006327.2	chr10
520255	3.94E-04	up	2.234296	TUBB6	84617	TUBB6	NM_006327.2	chr10
5310717	0.002112281	down	1.4632708	NIN	51199	NIN	NM_032525.1	chr18
7100114	0.021015406	up	1.4716563	MED27	9442	MED27	NM_020921.3	chr14
5360446	0.01889599	up	1.325422	MED27	9442	MED27	NM_004269.2	chr9
4150685	0.00430099	up	1.615116	MED27	9442	MED27	NM_004269.2	chr9
3060148	0.008942178	up	1.2479248	LOC100134711	100134711	LOC100134711	NM_004269.2	chr7
6940674	0.015719557	up	1.3369836	LOC389168	389168	LOC389168	XM_001721283.1	chr7
4280202	0.006909042	down	1.4898947	LOC653375	653375	LOC653375	XM_001722348.1	chr7
7040243	0.04070536	down	1.6029094	LOC399748	399748	LOC399748	XR_019471.2	chr7
3930349	0.004216527	up	1.739235	PICK1	9463	PICK1	XR_018212.1	chr7
3800630	0.04051417	up	1.2456273	SDHAF1	644096	SDHAF1	XR_018212.1	chr7
6060148	6.41E-05	up	2.0810132	LOC401537	401537	LOC401537	XR_018592.2	chr7
630187	1.20E-04	up	1.6529157	TRAPPC2	6399	TRAPPC2	XR_018592.2	chr7
2600082	0.003072044	up	1.4609125	SNORD80	26774	SNORD80	NM_014563.3	chrX
6380047	1.23E-06	down	1.9655913	MRPS10	55173	MRPS10	NM_014563.3	chrX
5820333	0.013437753	up	1.6088558	MIR586	693171	MIR586	NR_003940.1	chr1
1580400	0.046186134	up	1.2186424	RPUSD2	27079	RPUSD2	NR_018141.2	chr6
6020474	0.035676837	up	1.2713449	TTC26	79989	TTC26	NR_030313.1	chr15
5490608	0.021898769	up	1.3435787	SELS	55829	SELS	NM_152260.1	chr7
6290091	0.002576532	up	1.3410403	SELS	55829	SELS	NM_024926.1	chr7
3520168	0.03810457	up	1.3410403	SNORD104	692227	SNORD104	NM_018445.4	chr15
5360576	0.006586221	up	4.704367	HS.579631		HS.579631	NM_018445.4	chr15
4480008	0.00832075	up	1.3473091	LOC100134189	100134189	LOC100134189	NR_004380.1	chr17
			1.2139434	BTBD1	53339	BTBD1	NR_004380.1	chr19
				LOC100134189		LOC100134189	BU536065	chr19
				BTBD1		BTBD1	XM_001722213.1	chr15
							NM_025238.3	chr15

1010386	0.019536627	up	1.5024672	TJP1	7082	TJP1	NM_175610.2	chr15
7380491	0.018784927	up	1.1961137	MRPS33	51650	MRPS33	NM_016071.2	chr7
1850754	0.008592716	up	1.1910971	LOC644642	644642	LOC644642	XM_9322279.1	chr1
3440348	0.025337374	down	1.8831626	ASH2L	9070	ASH2L	NM_004674.2	
1690678	0.006508527	up	3.2401626	SIK1	150094	SIK1	NM_173354.3	chr21
4920164	0.010146143	up	2.4264364	SIK1	150094	SIK1	NM_173354.3	chr21
1990328	0.008464092	up	1.7446891	LOC728732	728732	LOC728732	XR_015658.2	chr11
2640554	0.002174402	up	1.4864182	EEF1B2	1933	EEF1B2	NM_021121.2	chr2
3990224	0.012115285	up	1.7363353	TNFRSF25	8718	TNFRSF25	NM_148973.1	chr1
2320400	0.001833525	up	1.4116642	SLC25A13	10165	SLC25A13	NM_014251.1	chr7
3520196	0.008860846	down	1.2806737	LIG4	3981	LIG4	NM_002312.3	chr13
6450661	0.019172475	up	2.845067	ANKRD20A1	84210	ANKRD20A1	NM_032250.1	chr9
150678	0.012902914	down	1.3601896	C10orf26	54838	C10orf26	NM_001083913.1	chr10
4590427	0.001842242	down	1.3940651	DENND4C	55667	DENND4C	NM_017925.4	chr9
4890451	1.54E-06	down	9.420761	GRAMD3	65983	GRAMD3	NM_023927.1	chr5
7560044	0.03961808	up	1.4642458	ARAP1	116985	ARAP1	NM_001040118.2	chr11
2650523	3.17E-06	up	2.1686912	IDE	3416	IDE	NM_004969.1	chr10
3310440	0.047013436	down	1.11149	COQ7	10229	COQ7	NM_016138.3	chr16
2230382	5.20E-04	up	1.4911776			HS.4988		chr2
6400114	0.044394746	down	1.2102939	C17orf59	54785	C17orf59	NM_017622.1	chr17
1740681	0.04698941	down	2.5982278	BOLA2	552900	BOLA2	NM_001031827.1	chr16
2760181	0.015390242	up	1.2541553	COQ3	51805	COQ3	NM_017421.3	chr6
7510014	2.22E-04	up	1.5085715	UQCRFS1	7386	UQCRFS1	NM_006003.1	chr19
6760445	0.002286158	up	1.1291357	LAT1-3TM	81893	LAT1-3TM	XR_001385.1	
10196	0.009252356	down	1.250848	C21orf33	8209	C21orf33	NM_004649.5	chr21
2490100	1.96E-04	down	1.7882708	NIPSNAP3A	25934	NIPSNAP3A	NM_015469.1	chr9
130215	0.008333856	down	1.4305768	CCNG2	901	CCNG2	NM_004354.1	chr4
5360672	0.008447181	down	2.0846553	CCNG2	901	CCNG2	NM_004354.1	chr4
3360370	0.004612889	down	1.4876957	C11orf54	28970	C11orf54	NM_014039.2	chr11
2470463	4.24E-04	down	1.7552602	C11orf54	28970	C11orf54	NM_014039.2	chr11
4050609	4.26E-05	up	1.4080054	DNAJA2	10294	DNAJA2	NM_005880.2	chr16
1940025	0.025593951	up	1.4176687	LOC100131360	100131360	LOC100131360	XR_037562.1	chr12
1570424	0.030442769	up	1.4301277	WNK1	65125	WNK1	NM_018979.2	chr12
5550682	0.03321287	up	1.4807448	WNK1	65125	WNK1	NM_018979.2	chr12
2230408	0.04660139	up	1.3437607	GNB5	10681	GNB5	NM_006578.3	chr15
150463	0.002266905	up	2.4427917	CDCP1	64866	CDCP1	NM_178181.1	chr3
60215	0.005094521	up	2.639625	CDCP1	64866	CDCP1	NM_178181.1	chr3
3370703	0.047152683	up	1.7386464	FEN1	2237	FEN1	NM_004111.4	chr11
6940242	6.20E-05	up	1.2146944	BRPF1	7862	BRPF1	NM_004634.2	chr3
630360	0.025256407	up	1.3851793	LOC647150	647150	LOC647150	XR_017449.2	chr1
650189	0.018880745	up	1.3392396	LOC647150	647150	LOC647150	XR_017449.2	chr1
3930296	0.002683031	up	1.7994523	EIF1AX	1964	EIF1AX	NM_001412.3	chrX
1070228	0.004415529	up	1.5603887	SPR	6697	SPR	NM_003124.3	chr2
3290435	0.003240161	down	1.422383	TFDP1	7027	TFDP1	NM_007111.3	chr2
510487	4.66E-04	down	1.4543713	TFDP1	7027	TFDP1	NM_007111.3	chr2
1410600	0.04808602	up	1.4238031	TRIM13	10206	TRIM13	NM_001007278.1	chr13
7570148	1.95E-05	up	2.09385	LMNB2	84823	LMNB2	NM_032273.2	chr19
3310674	0.010593117	down	1.4162697	PAN3	255967	PAN3	NM_175854.5	chr13
270243	0.021618068	up	1.1841199	SLMAP	7871	SLMAP	NM_007159.2	chr3
3360100	1.26E-04	up	1.4079442	IDH3A	3419	IDH3A	NM_005530.2	chr15
1990180	9.22E-04	up	1.3003185	MGC35361	222234	MGC35361	NM_147194.1	chr7

6330561	5.39E-04	up	1.6078923	RNF126	55658	RNF126	NM_1944460.1	chr19
4280292	0.004638964	up	1.5985559	RNF126	55658	RNF126	NM_1944460.1	chr19
3890500	0.015555277	down	1.2017937	MRPS21	54460	MRPS21	NM_018997.1	chr1
5390010	0.002774025	down	1.9327185	SLC9A8	23315	SLC9A8	NM_015266.1	chr20
5310068	0.009564891	up	1.4962971	NUP93	9688	NUP93	NM_014669.2	chr16
6400687	0.016402893	up	1.9111276	MIR574	693159	MIR574	NR_030300.1	chr15
6620577	6.90E-06	up	1.7258798	TTC23	64927	TTC23	NM_022905.4	chr15
1820025	0.014324847	down	1.3247354	NCBP2	22916	NCBP2	NM_007362.3	chr3
2810338	0.018271348	down	1.3509436	NCBP2	22916	NCBP2	NM_007362.3	chr3
610403	0.001344187	up	1.6811793	TAF9L	51616	TAF9L	NM_015975.3	chrX
6450273	0.016900858	down	1.3078719	C1orf41	51668	C1orf41	NM_016126.1	chr1
3840356	0.005078709	down	1.2282085	TRIM11	81559	TRIM11	NM_145214.2	chr1
630669	0.007204538	up	1.2586706	LOC648659	648659	LOC648659	XM_944469.1	chr19
5080523	0.037442293	down	2.103961	EHD2	30846	EHD2	NM_014601.2	chr19
6040195	0.011652084	up	1.1738153	LOC647856	647856	LOC647856	XR_019580.1	chr19
630369	0.01518015	up	1.244757	LOC100127993	100127993	LOC100127993	XR_037873.1	chr19
2140273	0.003486624	up	1.5192378	PRIM1	5557	PRIM1	NM_000946.2	chr12
1430113	0.007165935	up	1.243177	LOC728505	728505	LOC728505	XM_001127580.1	chr3
450019	0.002107382	up	1.5112493	MAP4K3	8491	MAP4K3	NM_003618.2	chr2
2490730	0.008885479	up	1.2339424	SF4	57794	SF4	NM_021164.2	chr19
1710189	0.032606784	down	2.0621684	RHBDF1	64285	RHBDF1	NM_022450.2	chr16
4220215	1.18E-04	up	2.2973952	DYNC2H1	79659	DYNC2H1	NM_001080463.1	chr11
1440551	0.006469939	up	1.3831863	UBL5	59286	UBL5	NM_024292.2	chr19
3310709	0.03934033	up	1.5216652	LOC126235	126235	LOC126235	XR_041047.1	chr19
6940411	0.037943203	up	1.3381273	LOC100131810	100131810	LOC100131810	XR_039079.1	chr19
3420121	0.007749118	up	1.245692	ARS2	51593	ARS2	NM_015908.4	chr7
4920201	0.00213452	down	1.5388911	GALNT1	2589	GALNT1	NM_020474.2	chr18
3140156	0.04995625	down	1.1483812	MAPKAPK5	8550	MAPKAPK5	NM_139078.1	chr12
6940017	0.007880546	up	4.3306556	GJA1	2697	GJA1	NM_000165.3	chr6
6760202	0.012828085	up	1.5492043	FAM96A	84191	FAM96A	NM_001014812.1	chr15
5550220	0.01652416	up	1.4133635	NOP56	10528	NOP56	NM_006392.2	chr20
5560465	0.009677058	up	1.4705683	NOP56	10528	NOP56	NM_006392.2	chr20
5910154	0.003339049	up	1.4763914	NOP56	10528	NOP56	NM_006392.2	chr20
5860162	0.002576815	up	1.2102138	ATP5J	522	ATP5J	NM_001003701.1	chr21
5960446	0.0038054	up	1.2517782	KRIT1	889	KRIT1	NM_194454.1	chr7
5670445	0.002451671	up	1.3293668	LOC644863	644863	LOC644863	XM_927955.1	chr17
6510598	0.002683031	down	1.3431852	NHLRC3	387921	NHLRC3	NM_001017370.1	chr13
4150475	1.76E-05	up	1.3959851	CNPY2	10330	CNPY2	NM_014255.4	chr12
3290431	0.008406615	up	1.5060238	UNC45A	55898	UNC45A	NM_001039675.1	chr15
6380241	9.68E-05	up	1.8784858	UNC45A	55898	UNC45A	NM_001039675.1	chr15
6040608	0.006800623	down	1.7631325	PDLIM5	10611	PDLIM5	NM_001011516.1	chr4
1820619	0.003783253	up	1.3965604	LOC388122	388122	LOC388122	XM_370865.4	chr15
1230068	0.004028734	down	1.5320398	PPP1R3D	5509	PPP1R3D	NM_006242.3	chr20
60689	0.03110647	up	1.2722602	AAAS	8086	AAAS	NM_015665.4	chr12
2510102	9.95E-04	up	1.3093371	C22orf9	23313	C22orf9	NM_015264.1	chr22
6510427	0.002638921	up	2.105901	RSPRY1	89970	RSPRY1	NM_133368.1	chr16
3710682	0.002208349	down	1.5182364	LOC642033	642033	LOC642033	XM_936103.1	chr8
1450041	0.007027358	down	1.2583166	CCNE2	9134	CCNE2	NM_057749.1	chr8
5080215	0.036863733	up	1.2403258	SENP6	26054	SENP6	NM_015571.1	chr6
1070156	0.001244087	up	1.3911581	MESDC1	59274	MESDC1	NM_022566.1	chr15
160446	0.01518015	up	1.3638427	HMBX1	79618	HMBX1	NM_024567.2	chr8

2940369	0.004577853	up	1.2409939	SKP1	6500	SKP1	NM_006930.3	NM_006930.3	chr5
450152	0.049627885	up	1.2918782	EIF1AD	84285	EIF1AD	NM_032325.2	NM_032325.2	chr11
1090438	9.23E-05	down	1.9742745	ZMYND8	23613	ZMYND8	NM_183047.1	NM_183047.1	chr20
1510082	0.029284665	up	1.0825908	LARP1B	55132	LARP1B	NM_018078.2	NM_018078.2	chr4
150475	0.002335892	up	1.2645539	LARP1B	55132	LARP1B	NM_018078.2	NM_018078.2	chr4
6280706	0.045223359	up	1.7118347	LOC644162	644162	LOC644162	XM_933956.1	XM_933956.1	chr10
6200437	0.008757374	up	1.4727265	AP3M1	26985	AP3M1	NM_207012.2	NM_207012.2	chr10
7400717	0.016384482	up	1.4884156	INTS6	26512	INTS6	NM_001039938.1	NM_001039938.1	chr13
2100224	0.01390857	up	1.1972238	RHBDD3	25807	RHBDD3	NM_012265.1	NM_012265.1	chr22
7210435	2.12E-04	down	1.4513408	RFC4	5984	RFC4	NM_002916.3	NM_002916.3	chr3
1050619	2.03E-04	up	2.4047413	NPM3	10360	NPM3	NM_006993.1	NM_006993.1	chr10
5670487	0.04051417	up	1.4062746	HNRNPC	3183	HNRNPC	NM_001077442.1	NM_001077442.1	chr14
4050451	0.018144973	down	1.3649843	TPP2	7174	TPP2	NM_003291.1	NM_003291.1	chr13
4590685	1.56E-04	up	1.2793313	POLD2	5425	POLD2	NM_001127218.1	NM_001127218.1	chr7
580435	0.010122315	up	1.5272757	POLD2	5425	POLD2	NM_001127218.1	NM_001127218.1	chr7
2680097	7.90E-04	down	2.5288932	YPEL5	51646	YPEL5	NM_016061.1	NM_016061.1	chr2
1110377	0.004411255	up	1.9015622	ATP5D	513	ATP5D	NM_001687.4	NM_001687.4	chr19
150491	0.00528027	up	1.327878	LOC401622	401622	LOC401622	NM_001013689.1	NM_001013689.1	chrX
4390315	0.008235865	up	1.2844903	LOC645436	645436	LOC645436	XM_928473.1	XM_928473.1	chr1
1030593	0.035088085	up	1.1779016	OS9	10956	OS9	NM_006812.2	NM_006812.2	chr12
5960465	0.018856594	down	1.2708383	BUB3	9184	BUB3	NM_004725.2	NM_004725.2	chr10
7210138	0.035214722	down	1.6813464	DDX59	83479	DDX59	NM_001031725.1	NM_001031725.1	chr1
3940414	0.027559604	up	1.1198223	SFRS2	6427	SFRS2	NM_003016.3	NM_003016.3	chr17
7900475	6.05E-04	down	1.3602767	HINT1	3094	HINT1	NM_005340.3	NM_005340.3	chr5
3940095	6.49E-07	down	3.6744072	NAV2	89797	NAV2	NM_145117.4	NM_145117.4	chr11
1430037	0.012533658	up	1.4401574	SNORD17	692086	SNORD17	NR_003045.1	NR_003045.1	chr20
3710722	0.022549698	down	1.756271	CCDC50	152137	CCDC50	NM_178335.1	NM_178335.1	chr3
2600463	0.003357364	up	2.0941286	TNFRSF10B	8795	TNFRSF10B	NM_003842.3	NM_003842.3	chr8
160403	0.04075061	down	2.1190226	CARS2	79587	CARS2	NM_024537.1	NM_024537.1	chr13
730274	4.17E-04	up	1.755645	MCM7	4176	MCM7	NM_005916.3	NM_005916.3	chr7
1300315	0.02871203	up	2.0138266	MRPL21	219927	MRPL21	NM_181514.1	NM_181514.1	chr11
4070661	3.45E-04	down	2.4232755	AZIN1	51582	AZIN1	NM_148174.2	NM_148174.2	chr8
6620768	0.009845106	down	1.5992087	MVK	4598	MVK	NM_000431.1	NM_000431.1	chr12
6650543	0.002635349	up	1.2967954	VHL	7428	VHL	NM_000551.2	NM_000551.2	chr3
4070132	0.003658492	up	1.9189419	PPAT	5471	PPAT	NM_002703.3	NM_002703.3	chr4
5080709	0.00177641	down	1.5277698	DUSP22	56940	DUSP22	XM_941691.1	XM_941691.1	chr4
3290242	0.031895105	up	1.4168578	PDS5A	23244	PDS5A	NM_015200.1	NM_015200.1	chr19
3140167	0.04749325	up	1.6039014	ZNF146	7705	ZNF146	NM_007145.1	NM_007145.1	chr6
1820767	1.90E-04	down	1.568348	DST	667	DST	NM_183380.1	NM_183380.1	chr6
6550079	5.71E-04	down	1.5769628	DST	667	DST	NM_183380.1	NM_183380.1	chr6
4670451	0.002079405	up	1.6804641	ISOC1	51015	ISOC1	NM_016048.1	NM_016048.1	chr5
3310259	0.040188435	up	1.1376048	LOC648852	648852	LOC648852	XM_940430.1	XM_940430.1	chr1
4280471	0.007359536	down	1.2847672	GUK1	2987	GUK1	NM_000858.4	NM_000858.4	chr1
6040768	0.031137425	up	1.1673777	DMAP1	55929	DMAP1	NM_001034024.1	NM_001034024.1	chr1
2350286	0.018739227	up	1.2853467	CDK2	1017	CDK2	NM_001798.2	NM_001798.2	chr12
460072	0.040424537	up	1.4376752	MTX2	10651	MTX2	NM_006554.3	NM_006554.3	chr2
2480044	0.006342447	up	1.531339	MTX2	10651	MTX2	NM_006554.3	NM_006554.3	chr2
7200431	0.040979996	down	1.2397991	GABPB2	2553	GABPB2	NM_016655.3	NM_016655.3	chr15
2140176	0.002146995	up	2.096442	THYN1	29087	THYN1	NM_199298.1	NM_199298.1	chr11
1710132	0.019425	up	1.1261511	MED4	29079	MED4	NM_014166.2	NM_014166.2	chr13
2360706	0.014258359	down	1.5679085	TOM1	10043	TOM1	NM_005488.1	NM_005488.1	chr22

7610097	0.010949004	up	1.154865	SETMAR	6419	SETMAR	NM_006515.1	NM_006515.1	chr3
1440440	0.032382265	up	1.3903433	MAPKAPK3	7867	MAPKAPK3	NM_004635.3	NM_004635.3	chr3
4280482	8.61E-04	down	2.8693259	DRAM1	55332	DRAM1	NM_018370.2	NM_018370.2	chr12
6380079	6.63E-04	up	1.2881448	FAM53B	9679	FAM53B	NM_014661.3	NM_014661.3	chr10
7040184	0.005511532	down	1.9571795	CCDC34	91057	CCDC34	NM_030771.1	NM_030771.1	chr11
3450408	0.005709935	down	2.0721407	CCDC34	91057	CCDC34	NM_030771.1	NM_030771.1	chr11
7550608	0.031108556	down	1.3383234	TMEM9B	56674	TMEM9B	NM_020644.1	NM_020644.1	chr11
6940092	0.003357364	up	1.2753565	COPS8	10920	COPS8	NM_198189.2	NM_198189.2	chr2
6510131	0.003580029	up	2.5691946	LOC728115	728115	LOC728115	XR_038319.1	XR_038319.1	chr15
6520646	0.001826352	up	1.4456532	IQGAP1	8826	IQGAP1	NM_003870.3	NM_003870.3	chr17
1400397	0.003586685	down	1.5173656	TMEM101	84336	TMEM101	NM_032376.2	NM_032376.2	chr15
6110458	0.024168225	up	1.4206718	ZNF280D	54816	ZNF280D	NM_001002843.1	NM_001002843.1	chr17
1070091	0.042736515	up	1.185957	TADA2A	6871	TADA2A	NM_001488.3	NM_001488.3	chr1
3290296	0.024347344	up	1.3034045	MRPS14	63931	MRPS14	NM_022100.1	NM_022100.1	chr1
4060768	0.040729936	up	1.2189088	DBT	1629	DBT	NM_001918.2	NM_001918.2	chr1
5270280	0.010523806	up	1.3335919	PA2G4	5036	PA2G4	NM_006191.2	NM_006191.2	chr12
270612	0.009009819	down	1.2224556	AIFM2	84883	AIFM2	NM_032797.4	NM_032797.4	chr10
4900653	0.002190351	up	2.4037712	IFFO2	126917	IFFO2	NM_001136265.1	NM_001136265.1	chr1
6380717	2.41E-07	up	24.688808	HSPA1A	3303	HSPA1A	NM_005345.4	NM_005345.4	chr6
1990433	0.008031054	down	1.649594	RMI1	80010	RMI1	NM_024945.1	NM_024945.1	chr9
7050719	2.09E-04	up	1.5573318	C1orf162	128346	C1orf162	NM_174896.2	NM_174896.2	chr1
3140202	0.004749257	up	1.323375	MYPOP	339344	MYPOP	NM_001012643.2	NM_001012643.2	chr19
4390382	4.51E-04	down	2.244567	KIAA0182	23199	KIAA0182	NM_014615.1	NM_014615.1	chr16
1580735	0.034448419	up	1.1754234	NUPL2	11097	NUPL2	NM_007342.1	NM_007342.1	chr7
3840288	0.001528595	up	1.6195477	LRFN3	79414	LRFN3	NM_024509.1	NM_024509.1	chr19
4210445	2.35E-04	up	1.3665999	RNF126P1	376412	RNF126P1	NR_002818.1	NR_002818.1	chr17
4150497	0.030915868	up	1.1096736	RAD17	5884	RAD17	NM_133340.1	NM_133340.1	chr5
2750719	0.033791475	up	1.2954386	DDX21	9188	DDX21	NM_004728.2	NM_004728.2	chr10
7550753	4.09E-05	up	1.638067	BCL2L12	83596	BCL2L12	NM_001040668.1	NM_001040668.1	chr19
5290634	4.24E-04	up	1.5697985	BCL2L12	83596	BCL2L12	NM_001040668.1	NM_001040668.1	chr19
6420379	9.85E-04	up	1.540341	BCL2L12	83596	BCL2L12	NM_001040668.1	NM_001040668.1	chr19
5810452	0.009769189	up	1.3804175	GTF2F1	2962	GTF2F1	NM_002096.1	NM_002096.1	chr19
7610148	1.95E-05	down	1.7398978	EVI5L	115704	EVI5L	NM_145245.2	NM_145245.2	chr19
3000338	0.019079648	up	1.3208157	LOC552889	552889	LOC552889	NM_001136262.1	NM_001136262.1	chr12
5390553	0.042448364	down	1.322884	LOC253039	253039	LOC253039	NR_024408.1	NR_024408.1	chr9
1260524	9.06E-04	down	2.1500912	STIM1	6786	STIM1	NM_003156.2	NM_003156.2	chr11
4060608	0.007386935	up	1.3827816	MLL4	9757	MLL4	NM_014727.1	NM_014727.1	chr19
1510520	0.016226629	down	1.4676986	LOC730020	730020	LOC730020	XR_041245.1	XR_041245.1	chr7
2490278	3.68E-04	down	1.5387652	TBC1D10B	26000	TBC1D10B	NM_015527.2	NM_015527.2	chr16
1850288	0.040383015	down	1.3359915	ZC3H7A	29066	ZC3H7A	NM_014153.2	NM_014153.2	chr16
6520280	6.29E-08	down	4.8278847	ZSCAN18	65982	ZSCAN18	NM_023926.3	NM_023926.3	chr19
4760300	1.27E-04	down	1.8802383	ZMYND8	23613	ZMYND8	NM_183048.1	NM_183048.1	chr20
2970332	5.96E-04	down	1.8291599	WEE1	7465	WEE1	NM_003390.2	NM_003390.2	chr11
7610187	0.047210675	down	1.3099808	ATF4	468	ATF4	NM_182810.1	NM_182810.1	chr22
1090148	0.040383015	up	1.3011969	SNORA18	677805	SNORA18	NR_002959.1	NR_002959.1	chr11
6450647	3.56E-04	down	1.3539327	MRPS28	28957	MRPS28	NM_014018.2	NM_014018.2	chr8
2600747	0.001432432	down	5.2803893	IFIT2	3433	IFIT2	NM_001547.4	NM_001547.4	chr10
3440487	0.003646678	up	1.7709239	DCUN1D5	84259	DCUN1D5	NM_032299.2	NM_032299.2	chr11
2680113	0.013540696	up	1.7878604	DCUN1D5	84259	DCUN1D5	NM_032299.2	NM_032299.2	chr11
7610129	4.73E-04	up	1.7118227	RAD51C	5889	RAD51C	NM_058216.1	NM_058216.1	chr17
510544	2.12E-04	up	1.6759765	RAD51C	5889	RAD51C	NM_058216.1	NM_058216.1	chr17

3130403	0.011202744	up	1.3340156	LOC643779	643779	LOC643779	643779	LOC643779	XR_018427.1	chr1
4610239	0.011294076	up	1.3014442	PP1R8	5511	PP1R8	5511	PP1R8	NM_138558.1	chr16
5910563	0.022586208	up	1.2797458	ZNF174	7727	ZNF174	7727	ZNF174	NM_001032292.1	chr19
1260162	0.003516709	up	1.3963981	DNMT1	1786	DNMT1	1786	DNMT1	NM_001379.1	chr4
4210653	0.02035361	up	1.6615057	CRIPAK	285464	CRIPAK	285464	CRIPAK	NM_175918.2	chr13
4880521	0.002118448	down	2.058045	CDC16	8881	CDC16	8881	CDC16	NM_003903.3	chr2
5960411	1.76E-05	up	1.6514715	BCYRN1	618	BCYRN1	618	BCYRN1	NR_001568.1	chr10
2140128	0.016382722	down	2.1556344	SCD	6319	SCD	6319	SCD	NM_005063.4	chr8
3310441	0.031966828	up	1.6367114	INTS10	55174	INTS10	55174	INTS10	NM_018142.2	chr6
2710301	0.009043708	up	1.4638742	LOC642443	642443	LOC642443	642443	LOC642443	XM_926158.2	chr10
7160100	0.001935035	up	1.6860737	PPRC1	23082	PPRC1	23082	PPRC1	NM_015062.3	chr7
4260139	3.72E-05	down	6.1091046	AKR1B1	231	AKR1B1	231	AKR1B1	NM_001628.2	chr15
5220279	6.59E-04	up	1.5339333	LOC723972	723972	LOC723972	723972	LOC723972	NR_003144.1	chr15
4060296	0.002749375	up	1.198413	DTWD1	56986	DTWD1	56986	DTWD1	NM_020234.4	chr15
7560725	0.018611409	up	1.2759955	PLEKHN1	84069	PLEKHN1	84069	PLEKHN1	NM_032129.1	chr1
3120653	0.00758883	down	1.3478614	NSUN4	387338	NSUN4	387338	NSUN4	NM_199044.2	chr21
6110754	0.005761986	up	1.2043632	ATP50	539	ATP50	539	ATP50	NM_001697.2	chr1
5820133	0.045480084	up	1.3876206	AKIRIN1	79647	AKIRIN1	79647	AKIRIN1	NM_024595.1	chr15
3360619	0.022529844	up	1.4777557	ZFP106	64397	ZFP106	64397	ZFP106	NM_022473.1	chr15
1010370	0.011771446	up	1.5544627	ZFP106	64397	ZFP106	64397	ZFP106	NM_022473.1	chr10
3460551	0.006697733	up	2.1863482	TMEM20	159371	TMEM20	159371	TMEM20	NM_153226.1	chr20
4480519	1.18E-04	down	1.2946663	EDEM2	55741	EDEM2	55741	EDEM2	NM_018217.1	chr16
4920142	0.033457246	down	1.1720165	LOC100132767	100132767	LOC100132767	100132767	LOC100132767	XM_001725561.1	chr14
5890241	0.002271933	down	1.1901284	ZFYVE26	23503	ZFYVE26	23503	ZFYVE26	NM_015346.2	chr11
2030612	0.008021924	down	1.4383748	LDLRAD3	143458	LDLRAD3	143458	LDLRAD3	NM_174902.2	chrX
2480070	0.00866407	up	1.2211751	ZRSR2	8233	ZRSR2	8233	ZRSR2	NM_005089.3	chrX
780228	0.002146995	up	2.0155544	RBM3	5935	RBM3	5935	RBM3	NM_006743.3	chr9
1260154	0.04042829	up	1.2463048	DOLPP1	57171	DOLPP1	57171	DOLPP1	NM_020438.3	chr19
6200187	7.56E-06	up	1.8948288	TNFAIP8L1	126282	TNFAIP8L1	126282	TNFAIP8L1	NM_152362.1	chr16
2070288	7.75E-09	up	84.89507	MT1E	4493	MT1E	4493	MT1E	NM_175617.3	chr5
4050400	1.66E-04	down	1.2268598	HMMR	3161	HMMR	3161	HMMR	NM_012484.1	chr15
1430605	0.010394713	up	1.1997225	LOC643790	643790	LOC643790	643790	LOC643790	XM_927071.2	chr15
4480072	0.001280498	up	1.9180151	LOC728640	728640	LOC728640	728640	LOC728640	XR_015400.1	chr21
6560180	0.001917797	up	1.1772947	ATP5J	522	ATP5J	522	ATP5J	NM_001003696.1	chr21
4280044	0.008853342	up	1.5395492	LOC100131609	100131609	LOC100131609	100131609	LOC100131609	XR_038433.1	chr4
1710192	0.02573018	up	1.5370492	LOC100131609	100131609	LOC100131609	100131609	LOC100131609	XR_038433.1	chr2
1090181	0.027627036	up	1.2822044	LOC441050	441050	LOC441050	441050	LOC441050	XM_496721.2	chr1
610435	0.034802876	up	1.2330749	SSB	6741	SSB	6741	SSB	NM_003142.3	chr17
7050079	0.04945665	up	1.3796706	LOC727865	727865	LOC727865	727865	LOC727865	XR_038568.1	chr16
6560148	2.76E-04	up	1.4788315	TCEB3	6924	TCEB3	6924	TCEB3	NM_003198.1	chr1
4120341	5.35E-04	up	1.940482	ITGAE	3682	ITGAE	3682	ITGAE	NM_002208.4	chr17
6420561	0.001549099	down	1.4296263	ASPHD1	25982	ASPHD1	25982	ASPHD1	NM_181718.3	chr16
3930739	9.92E-04	up	1.5528476	LOC728732	728732	LOC728732	728732	LOC728732	XR_038331.1	chr17
670435	0.025277797	up	1.6097804	LOC729667	729667	LOC729667	729667	LOC729667	XR_016012.1	chr11
1580133	0.007856461	up	1.3857739	CUGBP1	10658	CUGBP1	10658	CUGBP1	NM_001025596.1	chr12
6580349	0.005091021	up	1.6279138	LEM3	23592	LEM3	23592	LEM3	NM_014319.3	chr7
4490706	0.005069731	up	1.2107668	BUD31	8896	BUD31	8896	BUD31	NM_003910.2	chr1
2640092	0.002371707	up	1.714762	SNORA16A	692073	SNORA16A	692073	SNORA16A	NR_003035.1	chr5
4570433	0.015266537	down	1.2305617	DDX41	51428	DDX41	51428	DDX41	NM_016222.2	chr18
2940066	0.001918499	up	1.7251683	LOC388275	388275	LOC388275	388275	LOC388275	XM_928429.1	chr17
2650477	0.018207267	down	1.2494193	TRAF4	9618	TRAF4	9618	TRAF4	NM_004295.3	chr17

2360630	0.02630785	down	2.1139705	FDFT1	2222	FDFT1	NM_004462.3	NM_004462.3	chr8
520561	0.001015795	up	1.4664294	RAI1	10743	RAI1	NM_030665.3	NM_030665.3	chr17
2690735	0.008869119	up	1.3942605	RAI1	10743	RAI1	NM_030665.3	NM_030665.3	chr17
2340601	0.039361633	up	1.6960949	AMMECR1	9949	AMMECR1	NM_015365.2	NM_015365.2	chrX
770286	0.001278633	down	1.5229766	RMI1	80010	RMI1	NM_024945.2	NM_024945.2	chr9
260288	4.50E-06	up	2.1978624	PLP2	5355	PLP2	NM_002668.1	NM_002668.1	chrX
3610259	1.34E-06	down	2.2775106	TUBB	203068	TUBB	NM_178014.2	NM_178014.2	chr6
6580474	8.58E-04	down	1.617748	TUBB	203068	TUBB	NM_178014.2	NM_178014.2	chr6
4860707	5.11E-05	down	4.253092	ANKRD33	341405	ANKRD33	NM_182608.2	NM_182608.2	chr12
1400056	0.001568209	up	1.7994881	SNORD30	9299	SNORD30	NR_002561.1	NR_002561.1	chr11
2650767	0.026292332	up	1.4645147	HS.46839		HS.46839	BX112399		chrX
6520242	0.014104806	up	1.6346835	LOC100129975	100129975	LOC100129975	XM_001724324.1	XM_001724324.1	
1450324	0.016562562	up	1.2058	LOC100134330	100134330	LOC100134330	XM_001716688.1	XM_001716688.1	
7210634	0.004212772	down	1.7611938	ZBED5	58486	ZBED5	NM_021211.2	NM_021211.2	chr11
4890437	0.002812477	down	1.7951014	ZBED5	58486	ZBED5	NM_021211.2	NM_021211.2	chr11
3870221	0.040188435	up	1.1261759	UBE2A	7319	UBE2A	NM_181777.1	NM_181777.1	chrX
870181	0.020935994	up	1.191661	LOC653314	653314	LOC653314	NM_001080544.1	NM_001080544.1	
4540382	0.03305638	up	1.2915642	ZC3HAV1	56829	ZC3HAV1	NM_020119.3	NM_020119.3	chr7
6620750	0.015981609	up	1.2545078	ZC3HAV1	56829	ZC3HAV1	NM_020119.3	NM_020119.3	chr7
5360386	0.032365233	up	1.3430406	KIF15	56992	KIF15	NM_020242.1	NM_020242.1	chr3
2030132	0.005731846	down	2.3275192	LOC653506	653506	LOC653506	XM_927769.1	XM_927769.1	chr17
4070114	0.022182962	up	1.3491188	DDX52	11056	DDX52	NM_007010.2	NM_007010.2	chr17
2750040	6.68E-04	up	1.308541	ZNF526	116115	ZNF526	NM_133444.1	NM_133444.1	chr19
60196	0.005259309	down	1.1879287	GCSH	2653	GCSH	NM_004483.3	NM_004483.3	chr16
1740139	0.014837046	up	1.2369456	USP10	9100	USP10	NM_005153.2	NM_005153.2	chr16
3190164	0.021493478	down	1.4934927	MUTED	63915	MUTED	NM_201280.1	NM_201280.1	chr6
2650092	0.03466349	up	2.0971863	JOSD2	126119	JOSD2	NM_138334.1	NM_138334.1	chr19
1470392	0.038477063	down	1.1822293	PRMT2	3275	PRMT2	NM_001535.2	NM_001535.2	chr21
3850615	0.02534643	down	1.2573242	PRMT2	3275	PRMT2	NM_001535.2	NM_001535.2	chr21
5490184	0.00159493	down	3.323575	FAM102B	284611	FAM102B	NM_001010883.1	NM_001010883.1	chr1
5130379	0.006398163	down	1.6822093	SDHAP2	727956	SDHAP2	NR_003265.3	NR_003265.3	chr3
6940025	2.03E-04	up	1.5450909	MRPL39	54148	MRPL39	NM_017446.3	NM_017446.3	chr21
1230600	0.043109115	up	1.5283232	LOC651064	651064	LOC651064	XM_944489.1	XM_944489.1	
6180470	0.00196317	down	1.4140928	FAM108B1	51104	FAM108B1	NM_001025780.1	NM_001025780.1	chr9
1850176	0.040188435	up	1.1815333	RSC1A1	6248	RSC1A1	NM_006511.1	NM_006511.1	chr1
3360402	0.046182994	up	1.3149216	CAD	790	CAD	NM_004341.3	NM_004341.3	chr2
2750674	1.82E-05	up	1.8197386	ASAP2	8853	ASAP2	NM_003887.2	NM_003887.2	chr2
5340646	1.46E-06	up	1.7832147	ASAP2	8853	ASAP2	NM_003887.2	NM_003887.2	chr2
5720747	0.02228143	up	1.4945599	LOC441775	441775	LOC441775	XR_019588.1	XR_019588.1	
7510632	0.00199446	down	1.6102003	TAF10	6881	TAF10	NM_006284.2	NM_006284.2	chr11
1030608	0.0376923	down	1.0920719	HS.253646		HS.253646	XM_373811		
780427	0.02229916	up	1.4725597	TFCP2	7024	TFCP2	NM_005653.3	NM_005653.3	chr12
2060110	0.008697538	up	1.2760102	TDP1	55775	TDP1	NM_018319.3	NM_018319.3	chr14
7320181	0.001427298	up	1.2720437	COP57A	50813	COP57A	NM_016319.1	NM_016319.1	chr12
3940053	0.027888848	down	1.2952667	ZC3H14	79882	ZC3H14	NM_207660.2	NM_207660.2	chr14
3130102	0.030638162	up	1.2044075	TSFM	10102	TSFM	NM_005726.2	NM_005726.2	chr12
2480554	0.01889599	up	1.2617846	POP7	10248	POP7	NM_005837.2	NM_005837.2	chr7
3170239	0.043899465	up	1.6139302	CSK	1445	CSK	NM_004383.1	NM_004383.1	chr15
5900019	6.41E-05	up	1.5911999	CRTC3	64784	CRTC3	NM_022769.3	NM_022769.3	chr15
780753	0.01710949	up	1.4084916	SUPT16H	11198	SUPT16H	NM_007192.2	NM_007192.2	chr14
4280093	0.014690577	up	1.8687493	LOC440157	440157	LOC440157	NM_001013701.1	NM_001013701.1	chr14

430079	0.007327267	down	1.3554962	LIFR	3977	LIFR	NM_002310.3	chr5
4220608	8.01E-05	up	2.523334	HS.564805		HS.564805	B1254341	chr15
3840131	0.003926977	down	2.190373	NUP153	9972	NUP153	NM_005124.2	chr6
1780730	0.020880662	up	1.1295605	CCDC59	29080	CCDC59	NM_014167.2	
4640376	0.003068754	down	1.197947	MRLC2	103910	MRLC2	NM_033546.2	chr18
3170187	4.94E-04	down	1.3949425	C13orf37	440145	C13orf37	NM_001071775.2	chr13
4250445	0.012938686	up	1.4865656	RPL4	6124	RPL4	NM_000968.2	chr15
6650561	0.003476758	down	1.4220331	ZNHIT3	9326	ZNHIT3	NM_004773.2	chr17
3450253	0.003424375	down	1.520104	ZNHIT3	9326	ZNHIT3	NM_004773.2	chr17
2120754	0.013878378	up	1.3470455	LOC100130886	100130886	LOC100130886	XM_001714477.1	
4210332	4.57E-04	up	1.3078856	WDR73	84942	WDR73	NM_032856.2	chr15
2190220	0.026114855	up	1.2581298	TTF2	8458	TTF2	NM_003594.3	chr1
5900452	0.009587893	up	3.2330647	CHST7	56548	CHST7	NM_019886.2	chrX
7210121	0.011190144	up	1.2199999	TRNT1	51095	TRNT1	NM_182916.1	chr3
2360682	0.032664616	up	1.2365012	PSMB6	5694	PSMB6	NM_002798.1	chr17
1660424	0.00125324	up	1.7711957	CASK	8573	CASK	NM_003688.1	chrX
1660286	0.006102312	up	1.4111787	RILPL2	196383	RILPL2	NM_145058.1	chr12
3940286	0.0335015	up	1.9059545	MST4	51765	MST4	NM_016542.3	chrX
4490615	0.003948616	up	1.4004748	TSPAN3	10099	TSPAN3	NM_005724.4	chr15
7510025	0.001479925	up	1.533582	TSPAN3	10099	TSPAN3	NM_005724.4	chr15
10435	2.32E-05	up	2.2914891	LYRM5	144363	LYRM5	NM_001001660.2	chr12
270129	0.018819598	up	1.2647344	TMEM8	58986	TMEM8	NM_021259.1	chr16
2120487	0.023277361	up	1.2332911	LOC400836	400836	LOC400836	XR_037962.1	chr20
380056	1.66E-04	up	1.4155724	B3GNT2	10678	B3GNT2	NM_006577.5	chr2
1940541	0.001598005	down	2.108178	TPD52	7163	TPD52	NM_001025252.1	chr8
6250279	2.07E-04	up	1.4642069	LOC100132356	100132356	LOC100132356	XM_001715035.1	
6520427	0.045496948	down	1.8737274	HS.12876		HS.12876	BG698090	chr6
620100	1.39E-04	up	1.849957	FAM133B	257415	FAM133B	NM_152789.2	chr7
1070286	0.025803968	up	1.4958462	M6PR	4074	M6PR	NM_002355.2	chr12
4290521	0.004886399	down	1.2094413	TXNDC9	10190	TXNDC9	NM_005783.3	chr2
2370259	0.04070536	down	1.9722785	TECR	9524	TECR	NM_138501.4	chr19
5290239	5.45E-04	up	1.6086093	XRCC6BP1	91419	XRCC6BP1	NM_033276.2	chr12
2100292	0.001692046	up	1.4670987	RBBP7	5931	RBBP7	NM_002893.2	chrX
6330068	0.03525372	down	1.3456988	MAN2B1	4125	MAN2B1	NM_000528.2	chr19
5810746	0.001127616	down	5.6806793	MATN2	4147	MATN2	NM_002380.3	chr8
4610349	0.03697864	down	1.2928002	RANBP9	10048	RANBP9	NM_005493.2	chr6
840242	0.002146995	up	2.488751	RPL13	6137	RPL13	NM_033251.1	chr16
1510040	5.90E-04	down	1.428273	DYRK1B	9149	DYRK1B	NM_006484.1	chr19
1820528	0.012423715	up	1.8099653	PAPSS1	9061	PAPSS1	NM_005443.4	chr4
20673	0.040264893	up	1.6339517	BSG	682	BSG	NM_198590.1	chr19
2190189	0.00249311	up	1.3149971	NOP58	51602	NOP58	NM_015934.3	chr2
5900110	0.007658772	up	1.4098923	RPS9	6203	RPS9	NM_001013.3	chr19
460204	0.001479925	down	12.237281	PLIN2	123	PLIN2	NM_001122.2	chr9
2640270	0.02709372	up	1.4251944	RBAK	57786	RBAK	NM_021163.3	chr7
630253	0.011480222	up	1.3458055	NOC4L	79050	NOC4L	NM_024078.1	chr12
2030068	0.038356517	down	1.1921574	SCYL3	57147	SCYL3	NM_020423.4	chr1
4780711	5.55E-04	up	1.8248585	LOC728408	728408	LOC728408	XR_039142.1	
450546	0.003223738	down	1.2604704	LOC100132863	100132863	LOC100132863	XR_036905.1	
4220241	0.03758187	down	1.3113369	LOC284023	284023	LOC284023	XM_941810.2	
7040139	0.029507589	up	1.2254447	ZNF324	25799	ZNF324	NM_014347.1	chr19
270615	0.041849986	down	3.6334627	ABCC3	8714	ABCC3	NM_003786.2	chr17

7560047	0.0230037	up	1.2855943	CIRBP	1153	CIRBP	NM_001280.1	NM_001280.1	chr19
2070088	6.25E-04	down	3.153459	HLA-G	3135	HLA-G	NM_002127.3	NM_002127.3	chr6
1170056	0.039219953	down	1.3673732	C2orf24	27013	C2orf24	NM_015680.3	NM_015680.3	chr2
6590253	0.037135825	down	1.866816	ALDOA	226	ALDOA	NM_184043.1	NM_184043.1	chr16
3180746	0.014539722	up	1.3002527	PLDN	26258	PLDN	NM_012388.2	NM_012388.2	chr15
1470598	0.012171912	down	1.6292651	PARP3	10039	PARP3	NM_005485.3	NM_005485.3	chr3
110719	0.004912526	down	3.8456006	SLC16A3	9123	SLC16A3	NM_004207.2	NM_004207.2	chr17
3120307	0.003360203	up	1.6214538	ZWINT	11130	ZWINT	NM_001005413.1	NM_001005413.1	chr10
3800474	0.005422232	up	1.5558879	ZWINT	11130	ZWINT	NM_001005413.1	NM_001005413.1	chr10
1770397	0.012828085	up	1.3629884	CCNC	892	CCNC	NM_005190.3	NM_005190.3	chr6
4230653	0.023668168	up	1.3252289	CCNC	892	CCNC	NM_005190.3	NM_005190.3	chr6
5900682	0.013318022	up	1.1198938	SUMO3	6612	SUMO3	NM_006936.2	NM_006936.2	chr21
1850414	1.31E-04	up	2.164473	EIF5A	1984	EIF5A	NM_001970.3	NM_001970.3	chr17
4780059	0.012342343	down	1.4547892	PPT2	9374	PPT2	NM_138717.1	NM_138717.1	chr6
7510209	0.04509843	up	1.4451253	LOC646347	646347	LOC646347	XR_017680.1	XR_017680.1	chr1
5890600	0.026922274	up	1.1261176	WDHD1	11169	WDHD1	NM_007086.2	NM_007086.2	chr14
10044	0.011190144	up	1.5931722	BCAP29	55973	BCAP29	NM_001008405.1	NM_001008405.1	chr7
4780215	0.002898812	up	1.8448216	C4orf27	54969	C4orf27	NM_017867.1	NM_017867.1	chr4
1940692	0.040188435	up	1.9341846	LTBP2	4053	LTBP2	NM_000428.2	NM_000428.2	chr14
60707	0.013248928	up	1.4026583	DPP8	54878	DPP8	NM_130434.3	NM_130434.3	chr15
6980292	0.012252965	up	1.2727983	LOC642585	642585	LOC642585	XR_038667.1	XR_038667.1	chr7
6130730	0.005579888	up	1.6970471	FAM96A	84191	FAM96A	NM_032231.4	NM_032231.4	chr15
4610138	0.022182962	up	1.486168	CAPZA1	829	CAPZA1	NM_006135.1	NM_006135.1	chr1
2350722	0.041833352	up	1.6426996	PLA2G4B	8681	PLA2G4B	NM_005090.2	NM_005090.2	chr15
1510335	0.011503041	down	5.9424458	LAMB1	3912	LAMB1	NM_002291.1	NM_002291.1	chr7
2630746	0.00122413	down	5.952908	LAMB1	3912	LAMB1	NM_002291.1	NM_002291.1	chr7
5690458	0.029450435	down	1.3569646	LOC642773	642773	LOC642773	XM_926195.1	XM_926195.1	chr16
6110474	0.014450461	down	1.4340003	HDGF	3068	HDGF	NM_004494.1	NM_004494.1	chr1
1510035	0.011503041	down	1.4414349	EPS15	2060	EPS15	NM_001981.2	NM_001981.2	chr1
540402	0.04587732	down	1.2649802	ZDHHC6	64429	ZDHHC6	NM_022494.1	NM_022494.1	chr10
3520541	0.011252788	up	1.6988958	CHUK	1147	CHUK	NM_001278.3	NM_001278.3	chr10
5720398	0.01566222	up	1.2411542	NDUFAF2	91942	NDUFAF2	NM_174889.3	NM_174889.3	chr5
1500201	0.002109479	up	1.3365973	HNRPC	3183	HNRPC	NM_031314.1	NM_031314.1	chr14
4260253	1.23E-06	down	1.6099857	OBFC2A	64859	OBFC2A	NM_001031716.1	NM_001031716.1	chr2
580114	0.003067795	up	1.5565197	ILKAP	80895	ILKAP	NM_030768.2	NM_030768.2	chr2
2340386	2.73E-06	up	1.7881913	CXorf15	55787	CXorf15	NM_018360.1	NM_018360.1	chrX
10386	0.043916117	up	1.4622822	TM2D1	83941	TM2D1	NM_032027.2	NM_032027.2	chr1
870458	0.023094013	up	1.4282477	TM2D1	83941	TM2D1	NM_032027.2	NM_032027.2	chr1
1170500	6.81E-04	up	1.6237737	LOC402112	402112	LOC402112	XR_038697.1	XR_038697.1	chr1
6480615	0.042278472	down	1.3223517	IER2	9592	IER2	NM_004907.2	NM_004907.2	chr19
620026	0.007138773	down	1.4160469	LOC100128086	100128086	LOC100128086	XR_039419.1	XR_039419.1	chr9
4260019	0.026645752	up	1.4238715	NGRN	51335	NGRN	NM_016645.2	NM_016645.2	chr15
5340768	0.01615302	up	1.3603991	NGRN	51335	NGRN	NM_016645.2	NM_016645.2	chr15
3710195	0.027270434	up	1.2926011	ARL17B	641522	ARL17B	NM_001039083.3	NM_001039083.3	chr17
4230477	0.002231106	up	1.6285391	SNORA76	677842	SNORA76	NR_002995.1	NR_002995.1	chr17
6270288	0.013118641	down	1.2146484	SNRPB2	6629	SNRPB2	NM_003092.3	NM_003092.3	chr20
6580458	0.00364327	up	1.3076282	CNOT4	4850	CNOT4	NM_001008225.1	NM_001008225.1	chr7
4760647	0.00927578	up	1.5767236	LOC401218	401218	LOC401218	XR_016722.1	XR_016722.1	chr5
3990731	0.012194851	up	1.4008769	PTPN2	5771	PTPN2	NM_080422.1	NM_080422.1	chr18
2230392	0.013565526	up	1.3178847	SIKE	80143	SIKE	NM_025073.1	NM_025073.1	chr1
1850040	0.03546108	up	1.164814	C3orf34	84984	C3orf34	NM_032898.2	NM_032898.2	chr3

2060546	0.048319034	up	1.2717465	DHX38	9785	DHX38	NM_014003.3	chr16
780270	0.015745157	down	8.490582	TIMP2	7077	TIMP2	NM_003255.4	chr17
4060327	3.16E-05	down	1.8038499	CARKD	55739	CARKD	NM_018210.2	chr13
2510292	0.005731409	down	1.3820888	RNF219	79596	RNF219	NM_024546.3	chr13
1980592	0.005653095	down	4.0109477	HLA-H	3136	HLA-H	NR_001434.1	chr6
5870521	0.005984669	down	3.55898	HLA-H	3136	HLA-H	NR_001434.1	chr6
1470497	0.013575223	down	1.4035759	FBXL3	26224	FBXL3	NM_012158.1	chr13
2190403	0.043666434	down	1.3463095	HPS3	84343	HPS3	NM_032383.3	chr3
6220672	0.032378778	down	2.4247258	B4GALT4	8702	B4GALT4	NM_003778.3	chr3
2000646	0.039507687	down	2.5103824	B4GALT4	8702	B4GALT4	NM_003778.3	chr3
1050059	0.03817956	up	1.5471578	PHKA2	5256	PHKA2	NM_000292.1	chrX
7160592	0.005083613	up	1.885568	ACOT9	23597	ACOT9	NM_001033583.2	chrX
2690608	4.09E-04	up	1.4353908	RPS7	6201	RPS7	NM_001011.3	chr2
6330647	4.09E-04	up	1.4630649	RPS7	6201	RPS7	NM_001011.3	chr2
5340719	0.011190144	up	1.1608881	ARMC7	79637	ARMC7	AA204695	chr19
730020	0.003068754	up	1.3247107	LPXN	9404	LPXN	NM_024585.2	chr17
2350091	0.008776912	down	1.245525	NUP62	23636	NUP62	NM_004811.1	chr11
2510279	0.023846623	up	1.2534324	LOC283788	283788	LOC283788	NM_153719.2	chr19
5560523	0.006478073	up	1.4042724	KRT18P13	392371	KRT18P13	XM_001721615.1	chr9
6110026	9.91E-04	down	6.774931	TRIM65	201292	TRIM65	XM_001726959.1	chr17
5310390	0.007838424	up	1.4214787	MTMR14	64419	MTMR14	NM_173547.2	chr17
1260373	0.040287808	up	1.1986283	LOC400446	400446	LOC400446	NM_001077525.1	chr3
7040021	3.96E-04	up	2.2116656	TMEM205	374882	TMEM205	XR_016587.2	chr15
7210528	2.59E-05	down	1.1969256	PRPF3	9129	PRPF3	NM_198536.1	chr19
2260615	0.00302539	down	1.3742355	PRPF3	9129	PRPF3	NM_004698.1	chr1
540762	0.00177641	up	1.4624286	NDNL2	56160	NDNL2	NM_138704.2	chr15
620731	0.011911348	up	1.151433	SPTLC1	10558	SPTLC1	NM_006415.2	chr9
2570471	0.01481111	up	1.3153659	SPTLC1	10558	SPTLC1	NM_006415.2	chr9
1410537	0.012211019	up	1.1970909	RPSA	3921	RPSA	NM_002295.4	chr3
6330739	0.009077189	up	1.21457	GNPNAT1	64841	GNPNAT1	NM_198066.2	chr14
5090010	0.001243276	up	1.3366076	ZNF35	7584	ZNF35	NM_003420.3	chr3
6330494	0.022996081	up	2.0142317	DUT	1854	DUT	NM_001025249.1	chr15
4390446	0.004858614	down	1.2738296	MGC3731	79159	MGC3731	NM_024313.1	chr22
1690025	0.032882307	up	1.5184802	MCTS1	28985	MCTS1	NM_014060.1	chrX
10102	0.005167043	up	1.3105576	LIN52	91750	LIN52	NM_001024674.1	chr14
580577	7.29E-04	up	1.3423882	KLHL5	51088	KLHL5	NM_001007075.1	chr4
1570349	0.008757374	up	2.598461	KLHL5	51088	KLHL5	NM_001007075.1	chr4
1410161	0.009751134	up	2.6175857	KLHL5	51088	KLHL5	NM_001007075.1	chr4
7210040	7.62E-04	down	1.5281447	WDR37	22884	WDR37	NM_014023.3	chr10
1030020	0.005061429	down	1.3649696	WDR37	22884	WDR37	NM_014023.3	chr10
3610750	0.026757821	down	1.191266	UNG	7374	UNG	NM_014023.3	chr10
2970121	0.012929784	down	1.7961649	MXD3	83463	MXD3	NM_003362.2	chr12
1510564	0.001733429	up	1.4625853	TMEM4	10330	TMEM4	NM_031300.2	chr5
1050180	0.018784927	up	1.6861066	ATMIN	23300	ATMIN	NM_014255.3	chr12
5870632	0.016384482	down	1.5243748	TM9SF2	9375	TM9SF2	NM_015251.2	chr16
5890451	0.008031054	down	1.5677769	CTNNA1	1495	CTNNA1	NM_004800.1	chr13
4230301	3.32E-04	down	1.4375606	PGP	283871	PGP	NM_001903.2	chr5
6200243	0.022230834	down	1.4718121	PGP	283871	PGP	NM_001042371.2	chr16
4860327	0.002680771	up	1.6186196	R3HDM1	23518	R3HDM1	NM_001042371.2	chr16
1410044	0.016899684	up	1.570316	R3HDM1	23518	R3HDM1	NM_015361.2	chr2
2360131	0.030514536	up	1.7900355	C17orf81	23587	C17orf81	NM_015361.2	chr2
							NM_015362.3	chr17

2690390	2.76E-04	down	3.05615	HCG4	54435	HCG4	NR_002139.1	chr6
6220411	0.001830865	up	1.5637604	PHF17	79960	PHF17	NM_199320.2	chr4
2230626	0.016163701	down	1.5753882	MRPL33	9553	MRPL33	NM_004891.2	chr2
7550546	0.006475588	up	2.158812	C3orf64	285203	C3orf64	NM_173654.1	chr3
2480440	0.004000571	up	2.4213128	C3orf64	285203	C3orf64	NM_173654.1	chr3
1240452	0.025256407	up	1.5005034	PINX1	54984	PINX1	NM_017884.4	chr8
5720072	0.03697864	up	2.0267022	ZNF234	10780	ZNF234	NM_006630.1	chr19
6860026	0.004072364	down	1.8767835	ZNF358	140467	ZNF358	NM_018083.4	chr19
7570446	0.002520701	up	1.3375332	TARBP2	6895	TARBP2	NM_134323.1	chr12
6940348	0.014700993	up	1.5324702	TIPIN	54962	TIPIN	NM_017858.1	chr15
1430475	0.020523515	up	1.5586994	EID2	163126	EID2	NM_153232.3	chr19
5720470	0.004828174	up	1.8738742	EID2	163126	EID2	NM_153232.3	chr19
5090273	0.002530624	down	1.4103229	LOC653381	653381	LOC653381	XR_017364.1	chr15
1710674	2.01E-05	down	7.207798	TSG101	7251	TSG101	NM_006292.2	chr11
6250672	0.025394557	down	1.7415655	DUSP23	54935	DUSP23	NM_017823.3	chr1
4390195	0.010091461	up	1.8247255	CCNO	10309	CCNO	NM_021147.3	chr5
5220035	0.004779287	down	1.222142	HMGNI1	3150	HMGNI1	NM_004965.6	chr21
1410204	0.001528595	up	2.4582915	TUFT1	7286	TUFT1	NM_020127.1	chr1
6660382	8.26E-07	up	1.2409887	MEN1	4221	MEN1	NM_130801.1	chr11
1820471	0.005625354	down	1.8247255	CDKN1A	1026	CDKN1A	NM_000389.2	chr6
240463	0.019957058	up	1.3150777	FKBPL	63943	FKBPL	NM_022110.3	chr6
3610520	0.001000817	up	1.436666	LOC441191	441191	LOC441191	XR_001271.1	chr1
6350070	0.008403261	down	1.3280782	SCNM1	442075	LOC442075	XM_001720051.1	chr1
5360307	0.042891715	up	1.3524301	LOC644937	644937	LOC644937	NM_024041.2	chr1
20273	0.009994944	up	1.3052241	TMTC3	160418	TMTC3	NM_941010.3	chr12
6960546	0.035290867	up	1.5098761	POLR2C	5432	POLR2C	NM_181783.2	chr16
2640184	0.026309164	down	1.1581442	ZBTB5	9925	ZBTB5	NM_032940.2	chr9
5270148	7.05E-06	up	4.5886993	PLEK2	26499	PLEK2	NM_014872.1	chr14
4260243	0.037581928	up	1.3320017	MFHAS1	9258	MFHAS1	NM_016445.1	chr8
2260309	5.94E-05	up	1.8439296	RPPH1	85495	RPPH1	NM_004225.2	chr14
5090739	0.03600567	down	1.9141124	NPAL3	57185	NPAL3	NR_002312.1	chr1
150288	3.27E-05	up	2.1544347	UBE1	7317	UBE1	NM_020448.3	chr1
3930592	0.004430874	down	2.9882212	CAP2	10486	CAP2	NM_003334.2	chrX
6250435	0.02422938	up	1.9574312	ARHGEF3	50650	ARHGEF3	NM_006366.2	chr6
4570576	0.002619966	up	1.8208263	ARHGEF3	50650	ARHGEF3	NM_019555.1	chr3
2640369	4.50E-05	down	2.7254896	VIL2	7430	VIL2	U56251	chrX
4490201	0.040099304	up	1.2135099	GGTLC1	92086	GGTLC1	NM_003379.3	chr6
6770753	0.009949825	up	1.3367965	C21orf66	94104	C21orf66	NM_178312.2	chr20
7330068	9.85E-04	up	1.3500012	SF3B5	83443	SF3B5	NM_013329.3	chr21
4590608	0.003322232	up	1.3762063	POLD3	10714	POLD3	NM_031287.2	chr6
5340193	0.006482497	down	1.197875	VPS4B	9525	VPS4B	NM_006591.1	chr11
5560279	8.27E-05	up	1.4862434	LOC728069	728069	LOC728069	NM_004869.3	chr18
10470	0.00987886	up	1.2636247	GTF2IP1	2970	GTF2IP1	XM_001128421.1	chr12
4880132	0.009277066	down	1.446822	ARGLU1	55082	ARGLU1	NR_002206.1	chr7
360154	0.046479017	up	1.4375681	LOC390183	390183	LOC390183	NM_018011.3	chr13
3940037	0.005227073	up	1.2434119	LOC100130856	100130856	LOC100130856	XR_037282.1	chr19
1580707	0.010104159	down	1.5043836	TMEM80	283232	TMEM80	XM_001726438.1	chr11
4210717	4.94E-04	up	1.395402	FRS3	10817	FRS3	NM_174940.2	chr6
4260484	0.003424375	down	1.4445968	COMMD6	170622	COMMD6	NM_006653.3	chr6
240133	0.03656187	up	1.4461197	DKFZp667M2411	147172	DKFZp667M2411	NM_203497.2	chr13
4230167	0.047863368	down	1.4988629	HS.71947	147172	HS.71947	NM_207323.1	chr17
							AJ420536	chr6

6580364	0.012247066	down	1.4208802	NEK7	LOK100128525	140609	NEK7	NM_133494.1	chr1
7210474	1.40E-04	up	1.5614663	KLHL22	100128525	84861	KLHL22	XM_001718335.1	chr22
5290259	0.023248052	down	1.4483048	SBDSP		155370	SBDSP	NM_0322775.2	chr7
4900707	5.98E-04	up	1.3696116	SBDSP		155370	SBDSP	NR_001588.1	chr7
5260717	0.004000571	up	1.2598008	SBDSP		155370	SBDSP	NR_001588.1	chr7
1110315	0.003240161	up	1.7062098	FAM36A		116228	FAM36A	NM_198076.4	chr1
6200747	0.01925818	up	1.4931988	LOC220433		220433	LOC220433	XM_941684.2	chr15
6200189	0.009440507	up	1.4331963	C15orf44		81556	C15orf44	NM_030800.1	chr15
4590468	0.001883055	up	1.3067938	C15orf44		81556	C15orf44	NM_030800.1	chr15
2650348	1.63E-05	up	1.5028708	C15orf44		81556	C15orf44	NM_030800.1	chr6
6590594	0.002600824	up	1.7037148	HIST1H2AC		8334	HIST1H2AC	NM_003512.3	chr6
6350634	0.035375368	down	1.3537291	DYNLT1		6993	DYNLT1	NM_006519.1	chr6
4640161	2.92E-04	down	2.7335808	C17orf97		400566	C17orf97	NM_001013672.3	chr17
1090497	0.002280787	down	3.635554	CREG1		8804	CREG1	NM_003851.2	chr1
7000224	0.00619453	up	1.2741603	SIRT1		23411	SIRT1	NM_012238.3	chr10
3360634	0.00740424	down	1.3099642	SNTX10		29887	SNTX10	NM_013322.2	chr7
5910164	0.027805557	up	1.3016757	LARP1B		55132	LARP1B	NM_032239.2	chr4
2470050	0.038451232	up	1.8256112	KRAS		3845	KRAS	NM_033360.2	chr12
360082	0.002555184	up	1.3679951	NFATC2IP		84901	NFATC2IP	NM_032815.3	chr16
4570086	0.020811532	up	1.2015318	CXorf23		256643	CXorf23	NM_198279.1	chrX
4760458	0.048596445	down	1.1804585	UBTD2		92181	UBTD2	NM_152277.2	chr5
1580619	3.59E-04	up	1.6049649	ARMCX5		64860	ARMCX5	NM_022838.2	chrX
3400441	0.002576532	up	1.4385667	LOC440396		440396	LOC440396	NR_002943.1	chr17
670181	0.005069731	up	1.3901889	LOC85390		85390	LOC85390	NR_001454.1	chr11
5390280	0.01497576	up	1.517162	EIF3B		8662	EIF3B	NM_001037283.1	chr7
3870358	0.012709564	up	1.3027548	SNORD32A		26819	SNORD32A	NR_000021.1	chr19
4180315	5.11E-05	down	2.0495276	CHMP4B		128866	CHMP4B	NM_176812.3	chr20
10209	0.019258108	up	1.2214217	HNRNPA1		3178	HNRNPA1	NM_031157.2	chr12
7050017	0.003262373	down	2.9354603	LOC644860		644860	LOC644860	XR_039515.1	chr6
430767	0.047792986	up	1.339437	CDK9		1025	CDK9	NM_001261.2	chr9
3180196	0.004434855	up	1.4102771	PTCD1		26024	PTCD1	NM_015545.2	chr7
7550593	0.007734494	up	1.6129276	SNORA73A		6080	SNORA73A	NR_002907.2	chr1
3840079	0.009821221	up	1.2512966	RAB3GAP1		22930	RAB3GAP1	NM_012233.1	chr2
4070279	0.007182505	up	1.1610289	SMPD4		55627	SMPD4	NM_017751.2	chr2
2350735	0.001213705	down	1.4540977	SETD8		387893	SETD8	NM_020382.3	chr12
2850538	0.011480222	up	1.364428	RABGAP1		23637	RABGAP1	NM_012197.2	chr9
6020463	4.63E-05	down	1.5700561	TRIM26		7726	TRIM26	NM_003449.3	chr6
3140523	0.004281551	up	1.4095702	DYX1C1		161582	DYX1C1	NM_001033560.1	chr15
7200097	0.0477295	down	1.6499593	N4BP2L2		10443	N4BP2L2	NM_033111.3	chr13
1820093	6.48E-04	up	1.8034941	HNRPA1P4		389674	HNRPA1P4	XM_939887.2	chr1
7200292	0.03875415	down	1.1802368	SCAMP3		10067	SCAMP3	NM_005698.2	chr1
3170201	0.013422561	down	1.1949	LOC653717		653717	LOC653717	AK093982	chr1
730014	0.019178305	up	1.4697205	MANEA		79694	MANEA	XM_496034.2	chr6
3840181	0.033402856	up	1.4747478	MANEA		79694	MANEA	NM_024641.2	chr6
3060767	0.024870383	up	1.4912894	MANEA		79694	MANEA	NM_024641.2	chr6
4610091	3.20E-04	up	1.3661687	CCND3		896	CCND3	NM_024641.2	chr6
6380370	8.19E-04	up	1.4658554	MRPL52		122704	MRPL52	NM_001760.2	chr6
1240360	0.005683722	up	1.7091806	SUV39H1		6839	SUV39H1	NM_180981.1	chr14
20195	0.009362555	up	1.5605673	GKAP1		80318	GKAP1	NM_003173.2	chrX
6840750	0.003573194	down	1.6798763	LOC643031		643031	LOC643031	NM_025211.2	chr9
4880477	0.004774686	down	1.4996989					XM_926402.1	chr5

5720575	0.001731206	down	1.8108189	C10orf114	399726	C10ORF114	NM_001010911.1	NM_001010911.1	chr10
1470349	5.80E-04	up	1.402517	RPLP0	6175	RPLP0	NM_053275.3	NM_053275.3	chr12
7570717	0.009609069	down	1.3226359	GRK6	2870	GRK6	NM_002082.3	NM_002082.3	chr5
3520156	0.008697129	up	1.462305	CCT8	10694	CCT8	NM_006585.2	NM_006585.2	chr21
2640544	5.96E-04	down	4.1992154	ASS1	445	ASS1	NM_054012.3	NM_054012.3	chr9
7610504	0.004845305	up	2.2568178	ZNF519	162655	ZNF519	NM_145287.2	NM_145287.2	chr18
620615	0.041712005	up	1.3798519	NDUFA7	4701	NDUFA7	NM_005001.2	NM_005001.2	chr19
6590593	0.001826352	up	1.4223855	ATP5J2	9551	ATP5J2	NM_004889.2	NM_004889.2	chr7
4760544	0.03374023	up	1.5720315	LOC389662	389662	LOC389662	XR_016813.2	XR_016813.2	chr8
7000161	0.003321033	up	1.4686888	OIP5	11339	OIP5	NM_007280.1	NM_007280.1	chr15
3180484	0.004756598	up	1.5306529	OIP5	11339	OIP5	NM_007280.1	NM_007280.1	chr15
5900379	0.001790699	up	1.3081919	SRP14	6727	SRP14	NM_003134.2	NM_003134.2	chr15
2450088	6.94E-04	up	1.3852308	C21orf91	54149	C21ORF91	NM_017447.2	NM_017447.2	chr21
6110280	0.026018087	down	1.3153514	AMDHD2	51005	AMDHD2	NM_015944.2	NM_015944.2	chr16
7150259	0.004564635	up	1.2345235	C7orf49	78996	C7ORF49	NM_024033.1	NM_024033.1	chr7
1570520	0.001323102	down	1.6916131	DHX16	8449	DHX16	NM_003587.3	NM_003587.3	chr6
1710546	0.035897225	up	1.3021152	CHST12	55501	CHST12	NM_018641.3	NM_018641.3	chr7
4200035	0.022232557	up	1.2358894	RBM45	129831	RBM45	NM_152945.2	NM_152945.2	chr2
6350356	0.001181239	down	1.7844415	MIPEP	4285	MIPEP	NM_005932.1	NM_005932.1	chr13
6900528	0.02832156	up	1.2179608	RHOT1	55288	RHOT1	NM_001033568.1	NM_001033568.1	chr17
60221	0.003167114	up	1.3769339	RFXANK	8625	RFXANK	NM_134440.1	NM_134440.1	chr19
7550181	0.001752553	up	1.3909432	IFNAR1	3454	IFNAR1	NM_000629.2	NM_000629.2	chr21
6020736	1.90E-04	down	1.2970599	UBE2H	7328	UBE2H	NM_003344.2	NM_003344.2	chr7
3180014	0.031662	up	1.4433789	NFKB1B	4793	NFKB1B	NM_001001716.1	NM_001001716.1	chr19
770326	0.038933832	down	1.2970352	LDHA	3939	LDHA	NM_001135239.1	NM_001135239.1	chr11
4150575	0.016034324	down	1.4400806	LETMD1	25875	LETMD1	NM_001024668.1	NM_001024668.1	chr12
7570022	0.031824995	up	1.3808382	C9orf72	203228	C9ORF72	NM_018325.1	NM_018325.1	chr9
6590750	1.30E-04	down	1.3948776	LOC644380	644380	LOC644380	XM_929628.1	XM_929628.1	chr22
3850431	8.32E-04	up	1.216501	RER1	11079	RER1	NM_007033.3	NM_007033.3	chr1
5260494	0.017014703	up	1.208533	TMLHE	55217	TMLHE	NM_018196.1	NM_018196.1	chrX
6940201	0.037198022	up	1.3257465	NUP54	53371	NUP54	NM_017426.2	NM_017426.2	chr4
2340446	0.04685945	up	1.4049529	LOC652726	652726	LOC652726	XM_942351.2	XM_942351.2	chr3
5810609	0.04004889	up	1.1862617	KIAA1143	57456	KIAA1143	NM_020696.2	NM_020696.2	chr3
2970561	0.045020983	up	1.1871132	LOC644877	644877	LOC644877	XR_038951.1	XR_038951.1	chr3
4280204	0.009226556	up	1.5892445	PHB	5245	PHB	NM_002634.2	NM_002634.2	chr17
6220148	0.018611321	up	1.6538737	LYAR	55646	LYAR	NM_017816.1	NM_017816.1	chr4
990288	4.62E-04	down	2.1209219	FHL2	2274	FHL2	NM_201555.1	NM_201555.1	chr2
4220064	0.015045461	up	1.4906454	GPI	2821	GPI	NM_000175.2	NM_000175.2	chr19
1770500	2.29E-04	down	2.0530958	CAT	847	CAT	NM_001752.2	NM_001752.2	chr11
7570326	9.23E-05	up	1.7068903	ADRB2	154	ADRB2	NM_000024.4	NM_000024.4	chr5
7400608	0.041595362	up	1.3549876	UXT	8409	UXT	NM_153477.1	NM_153477.1	chrX
5310524	5.71E-04	up	1.5494567	ALG10B	144245	ALG10B	NM_001013620.3	NM_001013620.3	chr12
6100482	4.52E-06	down	4.9316025	ATP2B4	493	ATP2B4	NM_001001396.1	NM_001001396.1	chr1
5490612	0.001637416	down	1.5906668	ARHGAP12	94134	ARHGAP12	NM_018287.5	NM_018287.5	chr10
840482	0.026999826	down	1.3036636	RNF31	55072	RNF31	NM_017999.4	NM_017999.4	chr14
4760521	9.85E-04	down	1.798566	HPS5	11234	HPS5	NM_007216.3	NM_007216.3	chr11
1030259	0.001405309	down	1.8053583	HPS5	11234	HPS5	NM_007216.3	NM_007216.3	chr11
1240424	3.65E-04	up	1.6777471	ANP32A	8125	ANP32A	NM_006305.2	NM_006305.2	chr15
10608	0.017847436	down	2.1092892	BTBD3	22903	BTBD3	NM_014962.2	NM_014962.2	chr20
6020653	0.020855298	down	2.0008383	BTBD3	22903	BTBD3	NM_014962.2	NM_014962.2	chr20
6840746	0.010015242	up	1.2533001	LOC728823	728823	LOC728823	XR_015838.2	XR_015838.2	chr17

3180327	0.040687513	up	POLR2J2	246721	POLR2J2	NM_032959.4	NM_032959.4	chr7
1850309	0.010804933	up	CDK10	8558	CDK10	NM_052988.2	NM_052988.2	chr16
6130136	0.030921886	up	GPR177	79971	GPR177	NM_001002292.1	NM_001002292.1	chr1
6940280	0.01177637	up	GPR177	79971	GPR177	NM_001002292.1	NM_001002292.1	chr1
840239	0.030286785	up	ZNF589	51385	ZNF589	NM_016089.2	NM_016089.2	chr3
4060187	0.029541448	down	RREB1	6239	RREB1	NM_001003699.1	NM_001003699.1	chr6
1710114	0.04922555	up	LYPLA2P1	285840	LYPLA2P1	NR_001444.1	NR_001444.1	
2810594	0.024429686	up	CDC40	51362	CDC40	NM_015891.2	NM_015891.2	chr6
5550288	0.04394907	up	AMY1B	277	AMY1B	NM_001008218.1	NM_001008218.1	chr1
2230452	1.07E-04	up	MRPL11	65003	MRPL11	NM_170739.1	NM_170739.1	chr11
5690181	0.017870612	up	KIAA1712	80817	KIAA1712	NM_001040157.1	NM_001040157.1	chr4
6400097	0.002120341	down	C1orf166	79594	C1orf166	NM_024544.1	NM_024544.1	chr1
1940736	0.014020529	down	PANK3	79646	PANK3	NM_024594.2	NM_024594.2	chr5
5900112	0.016590357	up	CCDC16	91603	CCDC16	NM_052857.2	NM_052857.2	chr17
270653	2.99E-04	down	CLIC4	25932	CLIC4	NM_013943.1	NM_013943.1	chr1
3890193	6.12E-05	down	CLIC4	25932	CLIC4	NM_013943.1	NM_013943.1	chr1
3170762	4.69E-06	down	CLIC4	25932	CLIC4	NM_013943.1	NM_013943.1	chr1
430309	0.002231106	up	C6orf66	29078	C6orf66	NM_014165.1	NM_014165.1	chr6
1940435	7.65E-04	up	C6orf66	29078	C6orf66	NM_014165.1	NM_014165.1	chr6
6220681	0.02534643	up	FBXO45	200933	FBXO45	NM_001105573.1	NM_001105573.1	chr3
4480288	0.025256407	up	ISG20L1	64782	ISG20L1	NM_022767.2	NM_022767.2	chr15
5820193	0.015443859	up	TYRO3	7301	TYRO3	NM_006293.2	NM_006293.2	chr15
4040382	1.93E-06	up	IRAK1BP1	134728	IRAK1BP1	NM_001010844.1	NM_001010844.1	chr6
5810224	1.23E-06	up	IRAK1BP1	134728	IRAK1BP1	NM_001010844.1	NM_001010844.1	chr6
2340400	0.039130714	up	LOC284393	284393	LOC284393	XM_001726716.1	XM_001726716.1	chr19
2680110	0.004577853	up	TM4SF1	4071	TM4SF1	NM_014220.2	NM_014220.2	chr3
6650053	4.14E-04	up	MCM3	4172	MCM3	NM_002388.3	NM_002388.3	chr6
3930154	0.036197934	down	H2AFY	9555	H2AFY	NM_138609.2	NM_138609.2	chr5
2230541	0.003424375	up	CCDC16	91603	CCDC16	NM_052857.2	NM_052857.2	chr17
6770392	0.03027338	up	SRI	6717	SRI	NM_003130.2	NM_003130.2	chr7
4670703	0.005909001	down	LOC221710	221710	LOC221710	XM_927609.1	XM_927609.1	chr6
5870754	0.001108909	up	LOC100132418	100132418	LOC100132418	XM_001719607.1	XM_001719607.1	chr10
5360646	0.042453293	up	PSMC4	5704	PSMC4	NM_006503.2	NM_006503.2	chr19
1570224	0.01956028	up	CHRNA5	1138	CHRNA5	NM_000745.2	NM_000745.2	chr15
4260192	0.003771296	up	FUNDC1	139341	FUNDC1	NM_173794.2	NM_173794.2	chrX
7100523	0.041251507	up	LOC727826	727826	LOC727826	XM_001720403.1	XM_001720403.1	chr12
3180131	0.003138043	up	LOC389672	389672	LOC389672	XM_933893.1	XM_933893.1	chr8
5570048	0.008725756	down	ERLIN2	11160	ERLIN2	NM_007175.5	NM_007175.5	chr8
6110674	0.0062542	up	ATP5A1	498	ATP5A1	NM_004046.4	NM_004046.4	chr18
2450382	0.037038945	down	TNPO2	30000	TNPO2	NM_013433.3	NM_013433.3	chr19
7570356	0.04478414	up	NOC2L	26155	NOC2L	NM_015658.1	NM_015658.1	chr1
3890747	0.023590773	up	LOC158345	158345	LOC158345	XR_017130.1	XR_017130.1	chr9
3990112	0.042521123	down	CAST	831	CAST	NM_001042445.1	NM_001042445.1	chr5
670161	0.018783795	down	CAST	831	CAST	NM_001042445.1	NM_001042445.1	chr5
2970674	0.004475405	up	LEO1	123169	LEO1	NM_138792.2	NM_138792.2	chr15
3060470	0.00832075	up	LEO1	123169	LEO1	NM_138792.2	NM_138792.2	chr15
3460605	0.010063515	down	C2CD2	25966	C2CD2	NM_199050.2	NM_199050.2	chr21
1780156	0.01418294	up	SAMD4B	55095	SAMD4B	NM_018028.2	NM_018028.2	chr19
4070379	0.031487778	down	PCYT2	5833	PCYT2	NM_002861.2	NM_002861.2	chr17
2970019	2.54E-04	up	HIST1H4H	8365	HIST1H4H	NM_003543.3	NM_003543.3	chr6
1300750	3.59E-04	down	GOLGA7	51125	GOLGA7	NM_001002296.1	NM_001002296.1	chr8

3400593	0.003290346	up	1.2362496	SMARCD1	6602	SMARCD1	6602	SMARCD1	6602	6602	SMARCD1	NM_003076.3	chr12
2710491	2.38E-05	down	2.1961634	DAP	1611	DAP	1611	DAP	1611	1611	DAP	NM_004394.1	chr5
2680184	0.015760122	up	1.3454566	USP54	159195	USP54	159195	USP54	159195	159195	USP54	NM_152586.3	chr10
3800139	7.67E-04	down	1.6873112	HEXB	3074	HEXB	3074	HEXB	3074	3074	HEXB	NM_000521.2	chr5
2850184	6.47E-04	down	1.3238027	CTBS	1486	CTBS	1486	CTBS	1486	1486	CTBS	NM_004388.1	chr1
60504	6.81E-04	down	1.2536917	CTBS	1486	CTBS	1486	CTBS	1486	1486	CTBS	NM_004388.1	chr1
4760301	0.001716533	up	1.3295603	DDX54	79039	DDX54	79039	DDX54	79039	79039	DDX54	NM_024072.3	chr12
3400072	0.003360129	up	1.2837449	ZNF544	27300	ZNF544	27300	ZNF544	27300	27300	ZNF544	NM_014480.1	chr19
5820170	9.63E-05	up	1.6699706	SIVA1	10572	SIVA1	10572	SIVA1	10572	10572	SIVA1	NM_006427.3	chr14
4860066	0.006402144	up	1.3288229	LOC647346	647346	LOC647346	647346	LOC647346	647346	647346	LOC647346	XM_936495.2	chr15
4730184	4.09E-05	up	1.6730798	FAM82A2	55177	FAM82A2	55177	FAM82A2	55177	55177	FAM82A2	NM_018145.1	chr14
3420020	0.00329624	up	1.2177193	SNAPC1	6617	SNAPC1	6617	SNAPC1	6617	6617	SNAPC1	NM_003082.2	chr16
4210400	0.011190144	up	1.5986544	TERF2	7014	TERF2	7014	TERF2	7014	7014	TERF2	NM_005622.2	chr16
6060050	4.69E-05	up	2.1869535	ARHGAP11B	89839	ARHGAP11B	89839	ARHGAP11B	89839	89839	ARHGAP11B	NM_001039841.1	chr15
6110592	0.001518507	down	1.6866479	ABHD11	83451	ABHD11	83451	ABHD11	83451	83451	ABHD11	NM_148912.2	chr7
2070746	0.004212772	down	1.4039015	RBX1	9978	RBX1	9978	RBX1	9978	9978	RBX1	NM_014248.2	chr22
4760427	0.013829991	up	1.5054647	AGTPBP1	23287	AGTPBP1	23287	AGTPBP1	23287	23287	AGTPBP1	NM_015239.1	chr9
70689	0.012426678	down	1.340518	MTCH2	23788	MTCH2	23788	MTCH2	23788	23788	MTCH2	NM_014342.2	chr11
1940482	0.03727156	down	1.2156528	KIFAP3	22920	KIFAP3	22920	KIFAP3	22920	22920	KIFAP3	NM_014970.2	chr1
3130066	0.031593293	up	1.2337561	PINX1	54984	PINX1	54984	PINX1	54984	54984	PINX1	NM_017884.3	chr8
3370671	0.029284665	up	1.382704	MED20	9477	MED20	9477	MED20	9477	9477	MED20	NM_004275.3	chr6
1850047	0.022549698	up	1.2589324	FAM189B	10712	FAM189B	10712	FAM189B	10712	10712	FAM189B	NM_006589.2	chr1
830674	0.020855298	up	1.3976141	LOC100134189	100134189	LOC100134189	100134189	LOC100134189	100134189	100134189	LOC100134189	XM_001722214.1	chr1
2750181	4.26E-05	down	3.948888	FLOT1	10211	FLOT1	10211	FLOT1	10211	10211	FLOT1	NM_005803.2	chr6
3570026	0.009088495	up	1.7817245	MAPK1	5594	MAPK1	5594	MAPK1	5594	5594	MAPK1	NM_138957.2	chr22
6110451	0.01969982	down	1.4650729	SNX25	83891	SNX25	83891	SNX25	83891	83891	SNX25	NM_031953.2	chr4
1090739	0.019136518	up	1.4280499	LIMS1	3987	LIMS1	3987	LIMS1	3987	3987	LIMS1	NM_004987.3	chr2
7320307	0.004709887	up	1.408947	PDCD7	10081	PDCD7	10081	PDCD7	10081	10081	PDCD7	NM_005707.1	chr15
130445	0.002831338	down	2.1896777	HYI	81888	HYI	81888	HYI	81888	81888	HYI	NM_031207.2	chr1
5390603	0.046213232	down	1.1125039	UPF2	26019	UPF2	26019	UPF2	26019	26019	UPF2	NM_015542.2	chr10
50056	1.36E-07	down	3.085521	MRPS18B	28973	MRPS18B	28973	MRPS18B	28973	28973	MRPS18B	NM_014046.2	chr6
5340138	6.49E-07	down	3.413991	MRPS18B	28973	MRPS18B	28973	MRPS18B	28973	28973	MRPS18B	NM_014046.2	chr6
6520215	0.044264734	down	2.032996	ANXA1	301	ANXA1	301	ANXA1	301	301	ANXA1	NM_000700.1	chr9
4540561	0.03078616	up	1.2584666	MSL3	10943	MSL3	10943	MSL3	10943	10943	MSL3	NM_078630.1	chrX
1440040	5.62E-04	up	1.4415282	USP11	8237	USP11	8237	USP11	8237	8237	USP11	NM_004651.3	chrX
1300072	9.56E-05	up	1.4286462	SRP14P1	390284	SRP14P1	390284	SRP14P1	390284	390284	SRP14P1	NR_003273.1	chrX
4920538	0.008980669	up	1.2666239	TTC23	64927	TTC23	64927	TTC23	64927	64927	TTC23	NR_003273.1	chr12
6020491	0.003357364	down	1.2129779	SNRPB2	6629	SNRPB2	6629	SNRPB2	6629	6629	SNRPB2	NM_001040658.1	chr15
6280037	0.018611321	up	1.2105236	NMT1	4836	NMT1	4836	NMT1	4836	4836	NMT1	NM_198220.1	chr20
3420338	0.004692276	up	1.6295861	HS.527535		HS.527535		HS.527535			HS.527535	NM_021079.3	chr17
2000601	0.003710683	up	1.4993262	LOC642946	642946	LOC642946	642946	LOC642946	642946	642946	LOC642946	AK026716	chrX
520427	2.03E-04	up	1.4337159	LOC100128266	100128266	LOC100128266	100128266	LOC100128266	100128266	100128266	LOC100128266	XM_927142.1	chr1
1410113	1.75E-04	down	5.3863764	ARL4A	10124	ARL4A	10124	ARL4A	10124	10124	ARL4A	XR_037888.1	chr4
1400358	0.001256548	up	1.4598705	HAU8	93323	HAU8	93323	HAU8	93323	93323	HAU8	NM_005738.3	chr7
2630433	0.008381861	up	1.8325641	CDT1	81620	CDT1	81620	CDT1	81620	81620	CDT1	NM_001011699.1	chr19
780440	0.010999029	up	1.580966	C11orf73	51501	C11orf73	51501	C11orf73	51501	51501	C11orf73	NM_030928.2	chr16
3360646	0.037581928	down	1.6906662	MVP	9961	MVP	9961	MVP	9961	9961	MVP	NM_016401.2	chr11
5810435	0.03896007	up	1.2339714	SNAP23	8773	SNAP23	8773	SNAP23	8773	8773	SNAP23	NM_005115.3	chr16
1170332	1.23E-06	down	1.9709867	AAK1	22848	AAK1	22848	AAK1	22848	22848	AAK1	NM_003825.2	chr15
6840739	0.007199049	up	1.7333424	PLS1	5357	PLS1	5357	PLS1	5357	5357	PLS1	NM_014911.3	chr2
5220541	0.00928085	up	1.233586	SDCCAG1	9147	SDCCAG1	9147	SDCCAG1	9147	9147	SDCCAG1	NM_002670.1	chr3
												NM_004713.3	chr14

4560154	0.002030191	down	1.4405802	KIAA0831	22863	KIAA0831	NM_014924.3	NM_014924.3	chr14
2650367	0.021620855	up	1.3987299	SERF1A	8293	SERF1A	NM_021967.1	NM_021967.1	chr5
6290112	0.04070536	up	1.2790301	SRPR	6734	SRPR	NM_003139.2	NM_003139.2	chr11
3170593	0.029379485	up	1.2311298	PTPRA	5786	PTPRA	NM_080840.2	NM_080840.2	chr20
3180474	0.040188435	up	1.1934663			HS.130980	AL602970		chr1
780743	3.13E-04	up	1.4394437	UPF3B	65109	UPF3B	NM_080632.1	NM_080632.1	chrX
2600286	0.016163701	up	1.5718229	CCS	9973	CCS	NM_005125.1	NM_005125.1	chr11
1110255	0.037429817	up	1.4483343	CCS	9973	CCS	NM_005125.1	NM_005125.1	chr11
4640196	0.006022668	up	1.7353883	TMEM185A	84548	TMEM185A	NM_032508.1	NM_032508.1	chrX
1660546	0.003311339	up	1.4018819	JARID1C	8242	JARID1C	NM_004187.2	NM_004187.2	chrX
5360121	0.001073786	up	1.8397352	THYN1	29087	THYN1	NM_199297.1	NM_199297.1	chr11
1190463	0.022256171	down	1.8543254	PNPLA2	57104	PNPLA2	NM_020376.2	NM_020376.2	chr11
4070014	5.52E-05	up	1.7920684	APBA3	9546	APBA3	NM_004886.3	NM_004886.3	chr19
2510164	0.034919012	up	1.2552588	SNORD3A	780851	SNORD3A	NR_006880.1	NR_006880.1	chr17
3520521	1.19E-04	up	1.3504747	FKRP	79147	FKRP	NM_024301.3	NM_024301.3	chr19
1770279	0.003907998	up	1.4653201	DERA	51071	DERA	NM_015954.2	NM_015954.2	chr12
1470750	0.00141782	up	1.2158737	CDC23	8697	CDC23	NM_004661.3	NM_004661.3	chr5
2490379	4.57E-05	up	1.7472068	RPL34	6164	RPL34	NM_000995.2	NM_000995.2	chr4
2680170	0.007082929	up	1.2476363	HSPE1	3336	HSPE1	NM_002157.1	NM_002157.1	chr2
4920403	0.007819597	up	1.3558048	RRN3	54700	RRN3	NM_018427.3	NM_018427.3	chr16
5360670	0.017868344	up	2.8165348	PLAU	5328	PLAU	NM_002658.2	NM_002658.2	chr10
160121	0.013228362	down	2.0435107	SYNE2	23224	SYNE2	NM_015180.4	NM_015180.4	chr14
3800470	0.009062271	down	2.4107072	MBOAT7	79143	MBOAT7	NM_024298.2	NM_024298.2	chr19
6770647	0.007916119	up	1.3547864	TLK1	9874	TLK1	NM_012290.3	NM_012290.3	chr2
6180452	7.61E-05	up	1.4633312	LOC646674	646674	LOC646674	XR_042303.1	XR_042303.1	chr2
510315	0.003285032	up	1.2226905	PSMB5	5693	PSMB5	NM_002797.2	NM_002797.2	chr14
3520544	0.002386137	up	1.4868767	DNAH14	127602	DNAH14	NM_144989.2	NM_144989.2	chr1
3800678	0.02315009	up	1.394277	NUP88	4927	NUP88	NM_002532.3	NM_002532.3	chr17
3140731	0.040188435	up	1.3828231	MDN1	23195	MDN1	NM_014611.1	NM_014611.1	chr6
5130112	0.017953033	up	1.2362604	SNAP47	116841	SNAP47	NM_053052.2	NM_053052.2	chr1
5560100	0.009090711	up	1.2670051	SNAP47	116841	SNAP47	NM_053052.2	NM_053052.2	chr1
270328	0.005167043	up	1.2522193	TMEM135	65084	TMEM135	NM_022918.2	NM_022918.2	chr11
2750424	0.010288189	up	1.21296	TCP1	6950	TCP1	NM_030752.2	NM_030752.2	chr6
990315	0.043400545	up	1.2076578	TCP1	6950	TCP1	NM_030752.2	NM_030752.2	chr6
1170121	4.00E-04	up	1.4081233	MRPL4	51073	MRPL4	NM_146387.1	NM_146387.1	chr19
6110187	0.015111372	up	1.510762	CSNK2A2	1459	CSNK2A2	NM_001896.2	NM_001896.2	chr16
5560398	0.028374283	down	1.6630638	DEGS1	8560	DEGS1	NM_003676.2	NM_003676.2	chr1
5050240	1.52E-04	up	1.578326	RNF160	26046	RNF160	NM_015565.1	NM_015565.1	chr21
2940181	5.00E-06	up	1.5651646	RNF160	26046	RNF160	NM_015565.1	NM_015565.1	chr21
6200241	0.043109115	down	1.3998501	SDHC	6391	SDHC	NM_003001.2	NM_003001.2	chr1
4050192	6.28E-04	up	1.7523632	NDUFV3	4731	NDUFV3	NM_021075.3	NM_021075.3	chr21
4070424	0.006380523	down	1.6327273	C16orf93	90835	C16orf93	NM_001014979.1	NM_001014979.1	chr16
3290689	0.006455202	down	1.3830031	C14orf166	51637	C14orf166	NM_016039.1	NM_016039.1	chr14
6290053	0.026011882	up	1.2265884	AUP1	550	AUP1	NM_181575.3	NM_181575.3	chr2
6040598	0.033859905	up	1.4818575	GSDMB	55876	GSDMB	NM_018530.2	NM_018530.2	chr17
3130309	0.016163701	up	1.1096765	LOC100132804	100132804	LOC100132804	XR_037093.1	XR_037093.1	chr11
50450	0.009640939	down	1.3097826	TMEM179B	374395	TMEM179B	NM_199337.2	NM_199337.2	chr6
5570279	2.41E-07	up	3.3345158	HIST1H1C	3006	HIST1H1C	NM_005319.3	NM_005319.3	chr4
5720161	0.003299849	up	1.3304566	ADH5	128	ADH5	NM_000671.3	NM_000671.3	chr4
990128	1.36E-07	down	6.126508	MBNL2	10150	MBNL2	NM_207304.1	NM_207304.1	chr13
1400377	0.039315738	up	1.1984615	KIDINS220	57498	KIDINS220	NM_020738.1	NM_020738.1	chr2

6280273	0.001292087	up	1.5853347	LOC729102	729102	LOC729102	729102	LOC729102	XR_015895.2	chr3
3870181	0.020808049	down	2.323621	MID1	4281	MID1	4281	MID1	NM_033290.2	chrX
6960019	0.016428448	up	1.4842802	PAQR3	152559	PAQR3	152559	PAQR3	NM_001040202.1	chr4
6380327	0.008301822	up	1.3810624	PDSS2	57107	PDSS2	57107	PDSS2	NM_020381.2	chr6
5870202	0.037038945	down	1.3811759	FBXO33	254170	FBXO33	254170	FBXO33	NM_203301.1	chr14
3420139	0.01597645	down	1.1546608	NIF3L1	60491	NIF3L1	60491	NIF3L1	NM_021824.2	chr2
2750403	0.02226371	up	1.5676608	ACTR3B	57180	ACTR3B	57180	ACTR3B	NM_020445.4	chr7
520575	0.026179759	up	1.7276274	ACN9	57001	ACN9	57001	ACN9	NM_020186.1	chr7
6040088	7.65E-05	up	2.3455284	ACN9	57001	ACN9	57001	ACN9	NM_020186.1	chr7
2190528	0.020978238	up	1.2276597	ASB7	140460	ASB7	140460	ASB7	NM_024708.2	chr15
5490066	0.002830762	up	1.4536157	RPS26	6231	RPS26	6231	RPS26	NM_001029.3	chr12
6590377	0.023110086	up	1.1539297	RPS26	6231	RPS26	6231	RPS26	NM_001029.3	chr12
5910474	0.03953195	up	1.2970159	PMS2L4	5382	PMS2L4	5382	PMS2L4	NR_022007.1	chr7
1230674	0.006402144	up	1.3931258	LOC100128760	100128760	LOC100128760	100128760	LOC100128760	XR_037264.1	chr9
4640703	0.03481927	down	1.4116523	CHMP5	51510	CHMP5	51510	CHMP5	NM_016410.4	chr15
3120452	1.47E-04	up	1.6703087	MTMR10	54893	MTMR10	54893	MTMR10	NM_017762.2	chr3
630465	0.013988711	down	1.8517306	SCHIP1	29970	SCHIP1	29970	SCHIP1	NM_014575.2	chr20
1110296	4.24E-04	down	1.7723385	PXMP4	11264	PXMP4	11264	PXMP4	NM_007238.4	chr3
6650594	0.034609787	down	1.3534794	ATP11B	23200	ATP11B	23200	ATP11B	NM_014616.1	chr3
3180736	0.033342343	up	1.2317789	ARHGEF1	9138	ARHGEF1	9138	ARHGEF1	NM_199002.1	chr19
7510424	1.17E-04	up	2.5228336	C12orf35	55196	C12orf35	55196	C12orf35	NM_018169.2	chr12
4540484	0.001181239	up	1.8710066	FGD6	55785	FGD6	55785	FGD6	NM_018351.2	chr12
5050037	0.011563058	up	1.3122274	MTERFD1	51001	MTERFD1	51001	MTERFD1	NM_015942.3	chr8
7570546	0.042760983	up	1.1017836	LOC100129269	100129269	LOC100129269	100129269	LOC100129269	XM_001719843.1	chr1
3130255	0.013368519	up	1.2062783	RUFY2	55680	RUFY2	55680	RUFY2	NM_017987.4	chr10
6860162	0.002815873	up	2.5366254	LOC441019	441019	LOC441019	441019	LOC441019	XM_498969.2	chr4
1090437	0.004272016	down	1.2976841	GTPBP4	23560	GTPBP4	23560	GTPBP4	NM_012341.2	chr10
3190008	2.38E-04	up	1.481864	ZNF787	126208	ZNF787	126208	ZNF787	NM_001002836.2	chr19
540246	0.008009572	up	1.8031613	SORD	6652	SORD	6652	SORD	NM_003104.3	chr15
2480280	0.002151808	up	1.9363849	SORD	6652	SORD	6652	SORD	NM_003104.3	chr15