

#1.2

Differential_Expression_DESeq2_compare_2_groups_on_L2_Proliferating
_on_L2_Non_Proliferating.norm

Name	Description	L2_CFSE_Lo_3_0	L2_CFSE_Lo_2_0	L2_CFSE_Hi_2_0
19721	4			
IFI6	IFI6	7535.431659	7765.210728	16050.86787
10041.27525				
LRR75B	LRR75B	23.42742627	53.82633646	0 13.19855915
ASNSD1	ASNSD1	3946.349955	4077.598885	4935.706603
4667.576167				
COMMD6	COMMD6	3227.127969	2863.967336	3398.208996
3113.917204				
PIANP	PIANP	3.51411394	5.07795627	14.28569205
15.0840676				
TNXB	TNXB	3.51411394	0 0	0
NSMF	NSMF	1338.877411	1149.6493	1183.033873
1126.591299				
FBXL3	FBXL3	4733.511478	3903.932781	6556.239795
6059.081402				
EPB41L1	EPB41L1	2.342742627	1.015591254	2.678567259
0.942754225				
NEUROG3	NEUROG3	0 0	14.28569205	0
FNDC8	FNDC8	52.71170911	64.99784026	83.03558503
53.73699081				
FIGF	FIGF	0 5.07795627	0	0
DFFB	DFFB	871.5002572	800.2859082	861.6058017
799.4555826				
PPM1H	PPM1H	23.42742627	9.140321286	0 0
LRR46	LRR46	124.1653592	74.13816155	83.03558503
102.7602105				
SNX6	SNX6	6663.931402	6842.038279	5867.848009
6885.876857				
GNAS	GNAS	9968.369878	9779.128185	9108.914392
9518.989407				
FHL2	FHL2	658.3106782	603.2612049	63.39275847
274.3414794				
BDH1	BDH1	3208.386028	4943.898225	2145.532375
2404.966027				
ER01LB	ER01LB	190.9335241	132.026863	836.6058406
646.7293982				
ZNF790	ZNF790	336.183567	302.6461937	633.9275847
693.8671094				
NPIPA5	NPIPA5	46.85485254	8.124730032	24.99996108
65.05004151				
NPIPA2	NPIPA2	3.51411394	0 0	8.484788022
KLF5	KLF5	125.3367305	379.831129	343.7494649
394.0712659				
SPTLC2	SPTLC2	4896.33209	4417.821955	2461.603311
3022.470044				

AQP3	AQP3	14397.32481	16568.35572	3802.672652
4842.928452				
CLTC	CLTC	32022.94897	25578.68132	17844.61508
20914.05972				
TBC1D9	TBC1D9	4.685485254	0	21.42853807
HAT1	HAT1	9185.89384	9509.996503	22.62610139
7829.573836				6433.918556
PYCR2	PYCR2	6025.534036	5447.631487	6101.776216
4980.570569				
NFX1	NFX1	4601.146519	4904.290166	6937.489201
5413.294758				
GPT2	GPT2	685.2522184	1369.01701	1108.926845
586.3931278				
KCNC2	KCNC2	0	0	10.71426904
ZFAND6	ZFAND6	4103.313711	4412.743999	4.713771124
5216.259125				6081.240534
CD19	CD19	0	0	15.1785478
RABL6	RABL6	3407.519151	1815.877162	24.51160984
1291.573288				1381.24785
IL15	IL15	199.1331233	132.026863	516.963481
409.1553335				
CXCL8	CXCL8	446.2924704	125.9333155	216.963948
85.79063445				
RASAL1	RASAL1	26.94154021	48.74838019	55.35705669
112.1877527				
UTY	UTY	1663.347265	0	0
DACT3-AS1	DACT3-AS1	13.3928363	1.171371313	2278.636961
ZNF790-AS1	ZNF790-AS1	203.5711117	63.25405093	3.046773762
LOC100652999	LOC100652999	347.3208879	506.0324074	63.98224901
LOC400684	LOC400684	11.60712479	39.82662466	358.5037127
SLX1A	SLX1A	105.4234182	95.46557788	37.5768764
AKR1E2	AKR1E2	53.88308042	73.12257029	143.7497762
CPEB1	CPEB1	0	11.17150379	49.99992217
MORF4L2	MORF4L2	5091.9511	5736.059403	49.02321969
LTBP4	LTBP4	1520.439965	774.8961268	6970.524864
ASB9	ASB9	43.3407386	32.49892013	1765.175824
SPAG9	SPAG9	2404.825307	1411.671843	25.89281684
CSDE1	CSDE1	27093.81848	27452.44719	33.93915209
NBPF6	NBPF6	0	0	1586.65536
				26034.7809
				12.49998054
				0

HLA-G	HLA-G	8.199599194	2.031182508	9.821413283	
8.484788022					
VIL1	VIL1	1.171371313	1.015591254	0	0
RAPGEFL1	RAPGEFL1	46.42849916	89.02421982	49.76397145	
68.8210584					
TIMP4	TIMP4	3.51411394	7.109138778	0	13.19855915
C1orf112	C1orf112	1297.319409	3056.107757	3240.751692	
2215.472428					
HAMP	HAMP	0	1.015591254	0	0
CCDC81	CCDC81	14.05645576	1.015591254	42.85707615	
26.39711829					
CCDC90B	CCDC90B	2610.986658	3408.324249	3849.994007	
3542.870376					
IFT74	IFT74	1056.576925	1116.134788	1078.56975	
1027.602105					
ASPN	ASPN	7.028227881	6.093547524	5.357134518	
5.656525348					
ZC2HC1B	ZC2HC1B	3.51411394	6.093547524	0	8.484788022
ALG10B	ALG10B	297.5283136	152.3386881	130.3569399	
166.8674978					
COPG2	COPG2	93.70970508	151.3230969	89.2855753	
163.0964809					
HRAS	HRAS	1748.857371	2656.786721	1660.711701	
1103.965197					
SPAG8	SPAG8	51.54033779	24.3741901	80.35701777	
99.93194782					
SLC12A1	SLC12A1	0	0	9.821413283	0
PADI4	PADI4	8.199599194	33.51451138	99.99984434	
61.27902461					
FAM198B	FAM198B	0	0	2.678567259	2.828262674
SLC25A37	SLC25A37	467.8564146	265.9012882	262.0225435	
468.5488497					
NEDD4L	NEDD4L	332.669453	145.2295493	454.4635783	
117.8442781					
DTNA	DTNA	0	0	6.249990271	0
MZT1	MZT1	2327.5148	1808.768023	1391.962119	
1633.793071					
FGFR2	FGFR2	0	10.15591254	3.571423012	0.942754225
GRM4	GRM4	0	0	4.713771124	
C20orf24	C20orf24	9956.234502	10357.26515	14854.03768	
8168.022603					
GSTM4	GSTM4	749.6776406	709.8982866	704.4631891	
584.5076193					
FAM159B	FAM159B	2.342742627	0	0	0
EHD2	EHD2	7.028227881	3.046773762	33.92851862	0
DYNLL2	DYNLL2	144.0786716	31.48332888	25.89281684	
36.76741476					
TRPM8	TRPM8	0	0	3.771016899	
LOC150776	LOC150776	1766.961535	1089.375322	820.5977333	
1439.585701					

LINC00989	LINC00989	0	0	0.892855753	0
LMCD1 LMCD1	279.9577439	386.9402678		316.0709366	
135.7566084					
LINC00493	LINC00493	1925.734439		1549.792254	
1845.532842	1820.458408				
ASPM ASPM	6653.38906	4497.038073		1282.140861	
2774.525683					
DOK3 DOK3	29.28428284	16.24946006		1.785711506	
25.45436407					
USP4 USP4	7186.363008	8999.154102		6813.382251	
8534.753996					
KHDC1 KHDC1	338.5263096	383.893494		174.9997276	
231.9175393					
TRPC1 TRPC1	8.199599194	12.18709505		73.21417175	
97.10368515					
SPP1 SPP1	112.4516461	1067.386408		871.427215	
375.2161814					
ZFYVE1 ZFYVE1	1520.439965	1688.928255		1312.497957	
1474.467607					
LCE5A LCE5A	0	0	0.892855753	0	
UPK1A UPK1A	0	7.109138778	28.5713841	6.599279573	
DKK3 DKK3	0	0	40.17850889	12.25580492	
HSP90AA1	HSP90AA1	52103.76739		52195.29691	
43026.71874	46520.20722				
CIZ1 CIZ1	4204.051644	3484.493593		2776.781392	
3087.520086					
LACTB LACTB	1487.641568	2687.254458		2069.639636	
1644.163368					
ZFH3 ZFH3	168.6774691	144.2139581		77.67845051	
130.100083					
STX12 STX12	1172.542685	1247.14606		1070.534048	
1467.868328					
CDC27 CDC27	6463.626908	5880.273361		3446.423207	
4620.438455					
GPHA2 GPHA2	0	1.015591254	5.357134518	3.771016899	
UBTD1 UBTD1	67.93953618	93.43439537		323.2137826	
162.1537267					
NAA25 NAA25	2692.98265	2918.809264		2981.245359	
3981.251091					
CHN2 CHN2	35.1411394	84.29407409		146.4283435	
38.65292321					
ZNF706 ZNF706	8529.925905	10658.63021		6938.382057	
6680.356436					
NR1I3 NR1I3	269.4154021	283.3499599		147.3211993	
202.6921583					
RIN2 RIN2	0	0	8.035701777	3.771016899	
ARL4A ARL4A	509.5465214	1210.584775		1303.569399	
915.4143522					
ASIC4 ASIC4	0	0	7.142846024	0	
TFPI2 TFPI2	3.51411394	0	0	0	

SNORA7B	SNORA7B	5.856856567	7.109138778	4.464278765
5.656525348				
TGIF1	TGIF1	782.4760374	526.0762696	3822.315479
3205.364364				
CRB3	CRB3	35.1411394	39.60805891	169.6425931
148.0124133				
SNORD85	SNORD85	1.171371313	1.015591254	0
INPP5D	INPP5D	14616.37125	16330.70737	0.942754225
8694.07946				6904.453538
ING1	ING1	1265.081019	1146.602526	1615.176057
1268.004432				
LY96	LY96	390.0666474	174.6816957	416.0707809
398.7850371				
ZBTB4	ZBTB4	1119.830976	484.4370282	1856.247111
2034.463617				
MRPL4	MRPL4	4877.590149	6866.412469	3699.994241
3557.954444				
GDI2	GDI2	21281.47402	25156.19536	17160.68757
20273.9296				
CD300LD	CD300LD	0	6.093547524	0
ITM2C	ITM2C	6956.774231	6934.457083	1901.782754
1824.229425				
PPFIA2	PPFIA2	1.171371313	0	0
BCL2L12	BCL2L12	2495.020898	3026.461937	1652.675999
1653.59091				
RGS11	RGS11	0	0	3.571423012
NOTCH3	NOTCH3	0	0	1.885508449
LAIR2	LAIR2	771.9336956	1021.684802	0.942754225
326.1929618				146.4283435
CCL4L2	CCL4L2	1.171371313	0	10.71426904
TMPRSS2	TMPRSS2	0	2.031182508	12.25580492
TOMM22	TOMM22	5880.283994	7271.633379	4.713771124
4761.851589				5159.813397
RNPEP	RNPEP	3446.174404	4939.83586	3081.245204
3036.611358				
AP4B1	AP4B1	3425.089721	3231.61137	2806.245632
3198.765084				
RIF1	RIF1	5723.320238	4974.365962	8121.41593
7444.930113				
CEBPB	CEBPB	794.1897505	587.0117448	1962.496945
1483.89515				
CDKN3	CDKN3	4356.329915	5164.281527	1917.854158
2390.824714				
CD80	CD80	256.5303176	905.9073986	265.1781587
328.0784702				
NCF2	NCF2	596.2279986	1975.324989	829.4629946
344.105292				
KCNK12	KCNK12	56.22582305	30.46773762	43.7499319
26.39711829				
C2orf43	C2orf43	2454.022902	2220.082481	1396.426398

1972.241838				
STAG3 STAG3	452.149327	305.6929675	513.392058	
601.4771954				
LRRC27 LRRC27	124.1653592	249.8354485	225.8925055	
179.1233027				
SCG5 SCG5	62.08267961	25.38978135	6.249990271	
17.91233027				
TC2N TC2N	8146.887485	4707.265463	4791.956827	
5415.180267				
LPAR5 LPAR5	564.6009731	724.1165641	647.3204209	
972.9223599				
DGCR2 DGCR2	5564.013739	5281.074521	6729.453811	
5376.527344				
WDR25 WDR25	706.336902	1259.333155	996.4270204	
736.2910495				
SLC12A8 SLC12A8	35.1411394	19.29623383	12.49998054	
43.36669434				
ZNF621 ZNF621	668.85302	407.2520929	437.499319	
515.6865609				
SEC14L3 SEC14L3	5.856856567	0 0	0	
TRAK1 TRAK1	1671.546864	1412.687434	1427.676349	
1294.401551				
IFIT1B IFIT1B	9.370970508	4.062365016	26.78567259	
27.33987252				
DEPDC5 DEPDC5	1625.863383	1635.101919	1674.997393	
1435.814684				
SMAGP SMAGP	182.7339249	232.5703972	349.1065994	
296.9675808				
PTTG1IP PTTG1IP	6376.94543	7813.959109	6073.204832	
6208.979324				
HMG3 HMG3	3149.817462	3377.856511	2841.959862	
2618.028482				
LOC103344931 LOC103344931	16.39919839	3.046773762		
25.89281684	27.33987252			
ELN ELN	1.171371313	0 0	0	
HDGF HDGF	8918.821181	10703.31623	5333.920269	
5865.816786				
PAN2 PAN2	1751.200114	1348.705185	2064.282501	
1841.199001				
BBC3 BBC3	422.8650442	380.8467203	1486.604829	
349.7618174				
SPECC1L SPECC1L	1461.871399	1050.121357	1512.497646	
1379.249431				
CYP27B1 CYP27B1	268.2440308	224.4456671	278.5709949	
383.7009695				
HPX HPX	0 0	16.96425931	5.656525348	
SLC12A2 SLC12A2	2456.365644	1528.464837	1152.676777	
1617.76625				
CD59 CD59	10092.53524	14760.60329	7216.060196	
7244.123463				

CYP27A1	CYP27A1	1.171371313	4.062365016	49.99992217	
11.3130507					
RGS8	RGS8	0	0	7.142846024	0
PTPRJ	PTPRJ	4841.277639	2647.646399	1177.676738	
2202.273869					
ZNF219	ZNF219	126.5081019	162.4946006	173.2140161	
180.0660569					
SH2D3C	SH2D3C	7241.41746	7553.967748	4341.957527	
4787.305953					
AAED1	AAED1	632.5405093	579.9026061	900.8914548	
725.920753					
SNX18	SNX18	780.1332948	299.5994199	239.2853418	
197.035633					
DHX16	DHX16	196.7903807	1.015591254	0	251.715378
ANXA9	ANXA9	17.5705697	29.45214637	41.96422039	
42.42394011					
IFI16	IFI16	15619.06509	13202.6863	15064.26227	
15755.3086					
LRRC32	LRRC32	209.6754651	1393.391201	433.927896	
444.0372398					
GINS3	GINS3	1299.050787	1335.502499	853.5700999	
902.2157931					
SCLY	SCLY	4584.747321	5315.604624	3226.780691	
2666.108947					
FAM160B2	FAM160B2		1567.294817	1287.76971	
2132.139538	3134.657797				
FN3K	FN3K	3.51411394	0	7.142846024	8.484788022
SAV1	SAV1	583.3429141	741.3816155	1491.961963	
1356.623329					
PAK7	PAK7	0	0	4.464278765	0
FAM186B	FAM186B	9.370970508	10.15591254	59.82133545	
17.91233027					
MYCBPAP	MYCBPAP	173.3629544	101.5591254	130.3569399	
54.67974503					
SPATA9	SPATA9	127.6794732	189.9155645	247.3210436	
215.8907175					
LRRC8E	LRRC8E	2.342742627	6.093547524	24.99996108	
14.14131337					
CNOT11	CNOT11	7258.98803	7832.239751	5516.955698	
6818.941307					
ZNF223	ZNF223	7.028227881	11.17150379	343.7494649	
245.1160984					
POGK	POGK	3694.505123	4360.948845	4941.956593	
4965.486502					
PKN3	PKN3	625.5122814	746.4595717	532.1420288	
353.5328343					
ASAP2	ASAP2	8.199599194	9.140321286	9.821413283	
13.19855915					
PROM1	PROM1	0	0	0.892855753	0
LOC375196	LOC375196		26.94154021	26.40537261	0

	16.96957604			
WASH5P	WASH5P	2.342742627	4.062365016	2.678567259
6.599279573				
HNMT	HNMT	1.171371313	0	32.14280711
DALRD3	DALRD3	2510.248725	2842.63992	2595.531674
2820.72064				
ACOT9	ACOT9	2233.805095	3325.045766	1773.211526
2337.087723				
CHD2	CHD2	4632.773545	4570.160643	10908.01873
9179.597886				
HENMT1	HENMT1	2466.907986	2301.329782	2364.282034
2206.044886				
NREP	NREP	783.6474087	273.1940473	99.10698859
323.3646991				
SCN2A	SCN2A	1.171371313	0	0
CALCA	CALCA	0	1.015591254	0
PSMD14	PSMD14	10418.17646	14635.68556	6763.382329
7937.047818				
EIF3E	EIF3E	7269.530371	7652.480099	7341.952857
8212.332051				
USP47	USP47	8231.22622	8567.527819	8871.414762
9530.302458				
PAQR5	PAQR5	1.171371313	3.046773762	0.892855753
11.3130507				
CXCL10	CXCL10	1646.948067	360.5348952	5033.920736
3767.245882				
SH3GLB1	SH3GLB1	5445.705236	5328.80731	4368.7432
5758.342805				
C1orf106	C1orf106		10.54234182	57.88870148
14.28569205		16.02682182		
ASH1L	ASH1L	2561.789063	1839.235761	4567.850033
4532.762312				
TAP2	TAP2	17.5705697	514.9047658	646.4275652
32.05364364				
CASP6	CASP6	2441.137817	2869.045293	1618.74748
1764.835909				
CASP4	CASP4	3758.930545	3261.063517	4474.993034
4325.356383				
CASP1	CASP1	2251.375664	2884.279162	4208.029164
4410.204263				
GNAT2	GNAT2	42.16936728	37.5768764	52.67848943
16.96957604				
MRPL50	MRPL50	2149.46636	2062.665837	2113.389567
2459.645772				
UTS2R	UTS2R	10.54234182	0	0
SNX9	SNX9	5016.983336	6672.434539	6458.025662
7375.1663				
PACSIN3	PACSIN3	154.6210134	189.9155645	72.321316
76.3630922				
UBXN1	UBXN1	4085.743141	4640.23644	4967.84941

3793.643				
IL17RA	IL17RA	3664.049469	3249.892013	5246.420405
4468.655025				
HSD17B8	HSD17B8	0	2.031182508	5.357134518
				0.942754225
RNF14	RNF14	3200.186428	3292.546846	3251.780653
3210.078135				
PKIB	PKIB	18.74194102	28.43655511	33.92851862
19.79783872				
ZNF410	ZNF410	6344.147034	7788.569327	7638.380967
6486.149066				
EML5	EML5	94.88107639	66.01343151	182.1425736
139.5276253				
EIF3L	EIF3L	9361.599537	11556.41288	8471.415385
9094.750006				
CCDC82	CCDC82	2530.162037	2072.82175	2831.245593
2884.827928				
ACBD4	ACBD4	518.9174919	483.4214369	453.5707225
593.9351616				
COL11A2	COL11A2	0	2.031182508	0
				0
CAMK2B	CAMK2B	7.028227881	20.31182508	46.42849916
64.10728728				
LMNB1	LMNB1	7553.002229	3069.11677	1275.890871
2211.701411				
OMD	OMD	23.42742627	23.35859884	0.892855753
20.74059294				
OXSR1	OXSR1	5028.697049	4263.452085	2942.852562
3697.482069				
NRD1	NRD1	12480.96134	12913.2428	10242.8412
11747.66039				
B4GALT5	B4GALT5	1170.199942	374.7531727	177.6782949
345.9908005				
MSH5	MSH5	19.91331233	26.40537261	9.821413283
18.85508449				
USB1	USB1	6216.467561	7406.707016	4466.064477
5190.804761				
SNORD25	SNORD25	29.28428284	34.53010264	100.8927001
32.05364364				
SNORD26	SNORD26	16.39919839	16.24946006	51.78563368
24.51160984				
SNORD27	SNORD27	10.54234182	20.31182508	52.67848943
40.53843166				
SNORD28	SNORD28	9.370970508	13.2026863	32.14280711
23.56885562				
SNORD30	SNORD30	12.88508445	14.21827756	9.821413283
17.91233027				
SNORD31	SNORD31	38.65525334	23.35859884	48.21421066
67.87830418				
CPZ	CPZ	0	13.2026863	0
				0
MGEA5	MGEA5	10494.3156	6074.25129	10197.30556
9484.107501				

MS4A6A	MS4A6A	17.5705697	9.140321286	4.464278765
30.16813519				
GPAM	GPAM	918.3551098	759.662258	945.5342425
884.3034628				
GPR161	GPR161	11.71371313	66.01343151	58.03562395
48.08046546				
C1orf85	C1orf85	1635.234354	1956.028755	586.6062297
1023.831088				
NOC4L	NOC4L	2792.549211	3904.948372	2469.639013
2390.824714				
MTX1	MTX1	2472.764843	3754.640866	1724.104459
1695.072096				
SNORA38	SNORA38	0	0	0.942754225
SNORD10	SNORD10	51.54033779	37.5768764	170.5354488
157.4399555				
DICER1-AS1	DICER1-AS1		44.51210991	31.48332888
76.78559476	62.22177883			
SLC7A5P1	SLC7A5P1		132.3649584	112.7306292
311.6066578	200.8066499			
SNORD37	SNORD37	10.54234182	8.124730032	8.92855753
5.656525348				
SNORD96A	SNORD96A		59.73993699	53.82633646
101.7855558	77.30584643			
SGCD	SGCD	2.342742627	0	8.92855753
CR2	CR2	0	7.109138778	154.4640453
TNIP2	TNIP2	6319.548236	7934.814468	5418.741565
6104.333605				
GLA	GLA	1273.280618	2372.421169	1535.711895
947.4679958				
MPO	MPO	56.22582305	108.6682642	2.678567259
10.37029647				
GK	GK	6554.99387	8253.710122	1830.354294
3861.521304				
ATP8B5P	ATP8B5P	0	0	0.942754225
KLHDC4	KLHDC4	1040.177726	2441.481375	1233.926651
849.4215565				
ZNF775	ZNF775	718.0506152	661.1499064	555.3562784
505.3162644				
RIMKLA	RIMKLA	44.51210991	81.24730032	33.92851862
51.85148236				
TYR03	TYR03	106.5947895	27.42096386	24.10710533
44.30944856				
MIR198	MIR198	0	1.015591254	0
RAD9B	RAD9B	79.65324932	76.16934405	147.3211993
122.5580492				
TBCK	TBCK	2557.103577	2184.536787	1478.569127
2526.581322				
KLHDC9	KLHDC9	56.22582305	38.59246765	36.60708587
40.53843166				
DLG1	DLG1	2569.988662	1837.204579	2363.389178

2574.661788					
RCBTB2	RCBTB2	1550.895619	1998.683588	1523.211915	
1074.739816					
SORBS1	SORBS1	78.481878	82.26289158	139.2854975	
136.6993626					
LRRC23	LRRC23	165.1633552	107.6526729	199.1068329	
292.2538097					
SLC6A9	SLC6A9	50.36896648	37.5768764	233.0353515	
230.9747851					
FANCB	FANCB	582.1715428	520.9983133	462.4992801	
458.1785532					
MS4A1	MS4A1	0	0	124.1069497	53.73699081
TRIM52-AS1	TRIM52-AS1			371.3247064	319.911245
426.7850499	367.6741476				
KIF25-AS1	KIF25-AS1		0	0	21.42853807
LOC727751	LOC727751		1.171371313	0	1.785711506
	0.942754225				
CPED1	CPED1	17.5705697	10.15591254	1.785711506	
6.599279573					
C1orf204	C1orf204		32.79839678	24.3741901	
136.6069302	16.96957604				
LDB1	LDB1	3159.188432	3025.446346	3548.208763	
3390.144192					
FAM135A	FAM135A	317.4416259	431.626283	699.1060546	
319.5936822					
GRB10	GRB10	114.7943887	80.23170907	409.8207906	
234.745802					
KIAA1462	KIAA1462		3.51411394	2.031182508	0
	0.942754225				
SLC10A3	SLC10A3	2216.234525	3374.809737	3767.851278	
2668.93721					
AICDA	AICDA	2.342742627	1.015591254	0	63.16453306
COL6A3	COL6A3	650.111079	35.54569389	167.8568816	
850.3643107					
TAB1	TAB1	518.9174919	224.4456671	336.6066189	
296.0248266					
KRTAP10-1	KRTAP10-1		0	0	2.828262674
CECR1	CECR1	1482.956083	675.3681839	1800.890054	
1659.247436					
GYPE	GYPE	57.39719436	2.031182508	0	64.10728728
HKDC1	HKDC1	83.16736326	125.9333155	128.5712284	
89.56165135					
C9orf72	C9orf72	506.0324074	405.2209104	1330.355072	
778.7149896					
MIXL1	MIXL1	7.028227881	8.124730032	1.785711506	0
CDC42SE1	CDC42SE1		5887.312221	5970.660983	
3205.352153	2967.790299				
INCENP	INCENP	497.8328082	286.3967336	110.7141134	
185.7225823					
RNF149	RNF149	10349.06555	10065.52492	9857.127513	

8361.287219				
PEX5L	PEX5L	12.88508445	4.062365016	11.60712479
14.14131337				
SCML1	SCML1	12.88508445	15.23386881	1105.355422
601.4771954				
VEGFA	VEGFA	66.76816487	158.4322356	179.4640064
158.3827098				
FM05	FM05	21.08468364	19.29623383	46.42849916
48.08046546				
PTMS	PTMS	722.7361004	355.4569389	184.8211409
349.7618174				
RRAGD	RRAGD	103.0806756	41.63924142	558.0348456
479.8619004				
BBS7	BBS7	1147.943887	1134.415431	989.2841744
780.6004981				
RBM41	RBM41	1009.722072	908.9541724	987.4984629
1056.827486				
STARD3	STARD3	2737.49476	3747.531727	3657.137164
2773.582929				
LOC101060553	LOC101060553		1.171371313	3.046773762
29.46423985	0			
FUZ	FUZ	400.6089892	247.804266	297.3209658
272.4559709				
GSR	GSR	4557.805781	7307.179073	7092.846102
4704.343581				
E2F7	E2F7	999.1797304	1008.482115	363.3922915
415.7546131				
STMN1	STMN1	54848.29038	65172.52195	23863.35571
32545.76135				
TMEM106B	TMEM106B		2541.87575	1894.077689
4042.85085	3935.056134			
RPS10	RPS10	10210.84374	13672.90505	12888.3728
10447.60232				
SNUPN	SNUPN	2852.289148	3609.411317	2608.031655
2633.11255				
INADL	INADL	568.115087	466.1563856	1283.033717
1626.251038				
SUGT1P1	SUGT1P1	50.36896648	21.32741634	11.60712479
24.51160984				
USP10	USP10	10503.68657	13369.24327	12198.1953
11834.39378				
SCARNA2	SCARNA2	14.05645576	7.109138778	18.74997081
7.542033798				
SNORA13	SNORA13	3.51411394	3.046773762	12.49998054
6.599279573				
SNORA75	SNORA75	19.91331233	16.24946006	37.49994163
30.16813519				
NUMB	NUMB	4281.362151	4929.679947	4019.6366
4823.130614				
SYTL2	SYTL2	3237.67031	1431.983668	1414.283513

2077.830311				
RPL23AP64	RPL23AP64		7.028227881	4.062365016
22.32139383	21.68334717			
SNORD6	SNORD6	1.171371313	1.015591254	5.357134518
3.771016899				
TOB2P1	TOB2P1	3.51411394	0	3.571423012
SNORA16A	SNORA16A		7.028227881	6.093547524
16.96425931	12.25580492			
RRP7B	RRP7B	737.9639275	417.4080054	970.5342035
1017.231808				
ASAH1	ASAH1	1682.089206	2067.743793	3612.494377
2579.375559				
STX4	STX4	1246.339078	809.4262295	991.9627416
1060.598503				
ATP7A	ATP7A	1754.714228	894.7358948	1141.069652
1384.905956				
CRTC3	CRTC3	4972.471226	3187.940946	3430.351803
3988.793125				
CYP2C9	CYP2C9	1.171371313	0	0
NDUFB6	NDUFB6	3558.62605	3611.442499	0.942754225
3008.328731				2766.959979
RALGPS1	RALGPS1	113.6230174	76.16934405	119.6426709
157.4399555				
NDUFS1	NDUFS1	6542.108786	8661.977806	6179.454667
5638.613018				
ZNF275	ZNF275	1274.451989	1153.711665	1275.890871
1386.791465				
SWI5	SWI5	789.5042653	887.626756	731.2488617
619.3895256				
ADAM12	ADAM12	1102.260406	19.29623383	65.17846997
833.3947346				
TRIP10	TRIP10	579.8288002	740.3660242	1147.319643
961.6093092				
IFI27	IFI27	443.9497278	1263.39552	318.7495038
827.7382093				
HELLS	HELLS	3624.222844	2551.16523	1348.212187
1756.351121				
FAM220A	FAM220A	282.3004865	107.6526729	163.3926028
210.2341921				
NF2	NF2	7568.230056	5817.306703	2954.459687
3933.170626				
ZNF146	ZNF146	6744.756023	5991.988399	7584.809622
9123.975387				
MTFR1L	MTFR1L	2777.321384	3329.108131	2903.566909
2996.072926				
ACACA	ACACA	1384.560893	638.8068988	555.3562784
861.6773614				
FBRSL1	FBRSL1	270.5867734	132.026863	98.21413283
149.8979217				
KHK	KHK	691.1090749	1430.968077	938.3913964

616.561263				
CENPW CENPW	2435.280961	2611.085114	772.3202264	
1294.401551				
HAGH HAGH	2216.234525	3151.379661	2561.603155	
2262.610139				
FBX018 FBX018	6482.368849	7640.293004	8072.308863	
7398.735156				
ARPP21 ARPP21	0 1.015591254	0	0	
MBD1 MBD1	4148.997192	4766.169755	6250.883127	
4999.425654				
PDCD2 PDCD2	5697.550069	6809.539358	5374.991633	
6092.0778				
PI4KA PI4KA	8178.514511	5945.271201	5333.027413	
6355.106229				
ARHGAP23	ARHGAP23	33.96976809	43.67042392	
24.10710533	17.91233027			
SPON2 SPON2	15.22782708	13.2026863	12.49998054	
13.19855915				
C7orf43 C7orf43	559.9154878	156.4010531	258.0353126	
298.8530892				
STAT2 STAT2	9841.861776	9311.956208	16983.90213	
12995.86699				
ST5 ST5	21.08468364	47.73278894	54.46420093	
10.37029647				
MTHFD1L MTHFD1L	3001.053305	4029.866096	2608.031655	
3117.688221				
COMT COMT	4004.918521	5162.250344	3291.959161	
3376.945633				
COMMD2 COMMD2	2191.635727	2183.521196	2541.067473	
2473.787086				
ATPIF1 ATPIF1	8132.831029	9415.546516	7156.238861	
6574.767963				
MIR548AN	MIR548AN	0 0	2.678567259	
4.713771124				
MIR4534 MIR4534	0 0	0 0.942754225		
RAB11FIP2	RAB11FIP2	387.7239048	386.9402678	
836.6058406	822.081684			
ITSN2 ITSN2	5585.098423	5395.836333	7841.952079	
7121.565413				
STK38L STK38L	2391.940222	2275.94 2083.032472	2022.207812	
FAM3C FAM3C	2088.555052	1831.111031	1462.497723	
1826.114933				
NSA2 NSA2	2320.486572	2854.827015	2270.53218	
2225.842725				
ANAPC10 ANAPC10	1819.13965	1841.266944	1628.568894	
1661.132944				
SFRP1 SFRP1	3.51411394	0 0	0	
TMUB2 TMUB2	2001.873575	1936.732521	2325.889237	
2264.495648				
TDP1 TDP1	6030.219522	7449.361848	5176.777656	

4835.386419					
DDC	DDC	8.199599194	10.15591254	0	5.656525348
HIP1	HIP1	298.6996849	394.0494066		166.9640258
174.4095316					
INPP5F	INPP5F	1857.794903	1746.816957		1655.354566
1858.168577					
DNAH7	DNAH7	2.342742627	5.07795627		8.035701777
2.828262674					
PRDM6	PRDM6	0	1.015591254	0	4.713771124
FGFR10P2	FGFR10P2		4140.797593		4280.717136
5898.205105		4752.424047			
MCF2	MCF2	4.685485254	0	0	0.942754225
C6orf89	C6orf89	5945.880787	6285.494271		5558.027063
5101.24311					
TBC1D4	TBC1D4	3865.525334	3568.787667		3348.209074
5682.922467					
MAP3K7CL	MAP3K7CL		141.7359289		124.9177242
328.5709171		188.5508449			
STK24	STK24	14097.45376	14078.12596		10328.55535
12138.9034					
NBL1	NBL1	559.9154878	373.7375815		835.7129848
522.2858405					
POLE2	POLE2	2116.667963	2094.149166		828.5701388
1214.267441					
ELF4	ELF4	2216.234525	1591.431495		1024.998404
1660.19019					
ELAVL1	ELAVL1	9366.285022	9135.24333		6308.025895
6953.755161					
HMGCL	HMGCL	2015.93003	2558.274369		1939.282696
1827.057688					
NPAS3	NPAS3	1.171371313	0	0	0
RASSF8	RASSF8	3.51411394	8.124730032		19.64282657
30.16813519					
PUM1	PUM1	7486.234064	9225.630952		10798.19748
9865.922962					
BCL2L11	BCL2L11	4063.487086	2007.823909		2473.210436
3376.945633					
TADA1	TADA1	1703.17389	2075.868523		2549.103175
2582.203821					
CNTR0B	CNTR0B	2598.101573	3242.782874		2380.353438
2001.467219					
CASZ1	CASZ1	373.667449	140.1515931		237.4996303
363.9031307					
C1orf35	C1orf35	1136.230174	1486.825596		1464.283435
1215.210196					
CPA3	CPA3	0	5.357134518	0	
PTK7	PTK7	90.19559114	29.45214637		4.464278765
50.90872813					
TRAIP	TRAIP	1589.550872	1600.571816		746.4274095
827.7382093					

SF3A1	SF3A1	7724.022441	4806.793405	5353.563095
5155.922855				
SMNDC1	SMNDC1	1603.607328	1266.442294	1346.426476
1441.47121				
SAP18	SAP18	8747.800969	9153.523973	11108.91128
9699.998218				
FHL1	FHL1	237.7883766	449.9069255	1020.534126
999.3194782				
CELF6	CELF6	4.685485254	1.015591254	37.49994163
17.91233027				
PARVB	PARVB	871.5002572	431.626283	223.2139383
279.9980047				
LLGL2	LLGL2	759.0486111	868.3305222	881.2486282
1265.17617				
SYK	SYK	91.36696245	7.109138778	41.07136464
67.87830418				
VARS2	VARS2	32.79839678	0	58.45076193
SRPX	SRPX	0	3.046773762	0
PALLD	PALLD	440.4356139	55.85751897	83.92844078
251.715378				
YY1AP1	YY1AP1	4631.602173	5659.890059	4280.35048
5059.761924				
EIF4E3	EIF4E3	5990.392897	4737.7332	6071.419121
6495.576608				
TMEM256	TMEM256	1204.16971	1156.758438	771.4273706
877.7041832				
MEIOB	MEIOB	14.05645576	10.15591254	4.464278765
6.599279573				
ZNF805	ZNF805	400.6089892	308.7397412	899.1057433
750.4323629				
EML4	EML4	9755.180298	8390.814941	7370.524241
9438.855298				
CREBZF	CREBZF	4290.733121	2615.147479	5399.098739
5571.677468				
LINS	LINS	1605.950071	1221.756279	3310.709132
3090.348349				
MMP28	MMP28	2.342742627	0	24.99996108
18.85508449				
MIR124-1	MIR124-1	0	1.015591254	0
MIR15B	MIR15B	3.51411394	2.031182508	0.892855753
0.942754225				
MIRLET7G	MIRLET7G	0	1.015591254	0.892855753
3.771016899				
MIR941-3	MIR941-3	0	1.015591254	0
2.828262674				
SRRT	SRRT	11461.8683	13284.94919	9852.663235
8619.601877				
CDK20	CDK20	40.99799597	44.68601518	380.3565508
355.4183427				
PCSK1	PCSK1	0	2.031182508	8.035701777
0				0
PAX3	PAX3	0	0	1.885508449

ADAM21P1	ADAM21P1	0	0	0.892855753	
0.942754225					
SF3B2	SF3B2	11426.72716	10828.23395	10222.30552	
9524.645932					
IMMT	IMMT	12751.54812	14693.57426	10801.7689	
12311.42742					
METAP2	METAP2	3927.608014	3819.638706	3302.67343	
3767.245882					
RAB32	RAB32	182.7339249	26.40537261	0	96.16093092
CAPN15	CAPN15	2003.044946	743.412798	528.5706058	
720.2642277					
ALDH6A1	ALDH6A1	1507.55488	1731.583088	1316.06938	
1976.012855					
XIRP2	XIRP2	1.171371313	0	0	
GTF2H3	GTF2H3	2297.059146	1838.22017	1705.354488	
1666.789469					
HIST2H2BE	HIST2H2BE		178.0484396	191.946747	
499.9992217	530.7706285				
ATXN2	ATXN2	2113.153849	1940.794886	2133.032394	
2385.168189					
SEMA4G	SEMA4G	394.7521326	492.5617582	492.8563757	
472.3198666					
SH2D2A	SH2D2A	5615.554077	7408.738198	3996.422351	
5770.598609					
ID1	ID1	38.65525334	19.29623383	33.92851862	
19.79783872					
SLX1B	SLX1B	105.4234182	95.46557788	143.7497762	
94.27542247					
CLYBL	CLYBL	105.4234182	154.3698706	290.1781197	
217.7762259					
HDAC4	HDAC4	884.3853417	507.795627	906.2485893	
889.0172339					
MEF2D	MEF2D	2431.766847	1645.257832	2101.782443	
2272.980436					
TNRC6A	TNRC6A	973.4095615	531.1542259	945.5342425	
724.9779988					
ILF3	ILF3	12778.48966	10581.44528	7603.559593	
9751.8497					
MID2	MID2	162.8206126	258.9757698	815.1773025	
957.8382923					
MGAT4A	MGAT4A	4563.662637	3212.315137	6369.632942	
6152.41407					
MLYCD	MLYCD	965.2099623	1414.718617	1177.676738	
1124.70579					
PTGR1	PTGR1	3.51411394	40.62365016	18.74997081	0
KIN	KIN	935.9256795	962.7805088	1402.676388	
1038.915156					
SIRT4	SIRT4	46.85485254	66.01343151	222.3210825	
137.6421168					
GNLY	GNLY	4452.382362	406.2365016	1614.283201	

1536.689386					
BEX2	BEX2	146.4214142	171.6349219	1837.49714	
1122.820282					
TTC16	TTC16	90.19559114	56.87311023	107.1426904	
77.30584643					
ZNF550	ZNF550	673.5385052	594.1208836	2211.6037	
1535.746632					
HSP90AB1	HSP90AB1		64037.69834	79043.4673	
88282.89829		79676.8733			
HOMER1	HOMER1	168.6774691	153.3542794	208.0353905	
200.8066499					
ZNF620	ZNF620	387.7239048	411.3144579	384.8208296	
311.1088942					
ATF7IP2	ATF7IP2	705.1655307	616.4638912	568.7491147	
715.5504566					
SDHD	SDHD	7923.155564	9091.572906	9068.735884	
8530.982979					
KLHL13	KLHL13	56.22582305	29.45214637	49.99992217	
135.7566084					
NLRC3	NLRC3	9896.916227	7382.332826	3851.779719	
4236.737486					
DEF8	DEF8	1238.139478	1988.527675	1811.604323	
1563.086505					
NRF1	NRF1	2242.004694	2451.637287	2908.924043	
2038.234634					
CACNA1F	CACNA1F	19.91331233	6.093547524	17.85711506	
22.62610139					
TENC1	TENC1	26.94154021	36.56128515	120.5355267	
108.4167358					
LDLRAD4	LDLRAD4	1541.524649	2164.224962	1533.926184	
1663.961207					
TMEM91	TMEM91	187.4194102	287.4123249	281.2495622	
242.2878358					
ZGLP1	ZGLP1	19.91331233	10.15591254	75.89273901	
68.8210584					
HNRNPF	HNRNPF	31851.92876	33910.59197	26216.92348	
30258.6396					
LOXHD1	LOXHD1	1.171371313	0	0	0
FOXP2	FOXP2	3.51411394	1.015591254	23.21424958	0
DDR1	DDR1	1.171371313	0	0	3.771016899
UBE3A	UBE3A	6503.453532	5978.785713	7268.738685	
7640.080237					
USP50	USP50	24.59879758	20.31182508	16.96425931	
37.71016899					
KEAP1	KEAP1	9187.065211	12928.47666	9402.663935	
7710.786804					
PCDH9	PCDH9	15.22782708	8.124730032	3.571423012	
25.45436407					
DGCR5	DGCR5	2.342742627	5.07795627	9.821413283	
10.37029647					

FSD2	FSD2	125.3367305	143.1983668	174.1068718
211.1769463				
CNEP1R1	CNEP1R1	2203.349441	1977.356172	2115.175279
2069.345523				
MRFAP1	MRFAP1	4630.430802	4838.276734	6574.989765
6188.238731				
PGAP3	PGAP3	712.1937586	903.8762161	1333.926495
860.7346072				
NPHP4	NPHP4	562.2582305	567.715511	245.5353321
475.1481293				
SAR1A	SAR1A	4878.761521	4907.33694	6510.704151
5494.371622				
THAP10	THAP10	0	10.15591254	17.85711506
				25.45436407
PRSS23	PRSS23	654.7965642	634.7445338	253.5710339
154.6116929				
KRT23	KRT23	0	1.015591254	0
				0
PNLDC1	PNLDC1	14.05645576	6.093547524	16.96425931
22.62610139				
ZNF138	ZNF138	655.9679355	599.1988399	1008.034145
887.1317255				
WNT6	WNT6	0	1.015591254	8.035701777
				1.885508449
BUB1	BUB1	15962.27689	15683.77574	3819.636911
7038.603042				
GLS2	GLS2	52.71170911	99.5279429	999.1055876
510.0300356				
FAM103A1	FAM103A1		1366.990323	2164.224962
1572.318981	1464.097311			
PPIL2	PPIL2	5555.81414	6467.285106	5202.670473
4747.710276				
H2AFJ	H2AFJ	1412.673804	1638.148693	892.855753
874.8759205				
KCTD20	KCTD20	11468.89653	11411.18333	6635.703957
7698.530999				
LINC00971	LINC00971		0	0
3.771016899				7.142846024
ARHGEF26	ARHGEF26		8.199599194	9.140321286
59.82133545	32.05364364			
KIFC1	KIFC1	31.62702546	53.82633646	33.92851862
9.427542247				
BRE	BRE	2805.434296	4046.115556	2691.06724
2929.137376				
ZNF195	ZNF195	1390.417749	1503.075056	2106.246721
2036.349125				
B3GNT9	B3GNT9	705.1655307	760.6778493	592.85622
417.6401215				
UCP1	UCP1	2.342742627	0	0
			0	0
HES4	HES4	7.028227881	2.031182508	34.82137437
12.25580492				
KCNN3	KCNN3	1.171371313	2.031182508	39.28565313
10.37029647				

GAR1	GAR1	1773.456169	1462.451406	913.3914353
1196.355111				
ODF2	ODF2	6154.384881	6911.098484	4538.385793
4944.745909				
ARHGDI	ARHGDI	11808.59421	7632.168274	4337.493248
4516.735491				
ABCB9	ABCB9	67.93953618	116.7929942	166.9640258
82.01961755				
CINP	CINP	1571.980303	1935.71693	1429.462061
1381.134939				
LNx1	LNx1	79.65324932	50.7795627	100.8927001
148.0124133				
PSMB8-AS1	PSMB8-AS1	0	2.031182508	2.678567259
0				
CNDP2	CNDP2	8334.306895	10394.57649	10392.84097
10666.3213				
RUNDC3A	RUNDC3A	2.342742627	3.046773762	13.3928363
1.885508449				
RUSC2	RUSC2	90.19559114	189.9155645	180.3568621
137.6421168				
TNFSF4	TNFSF4	358.4396219	664.1966801	1669.640258
875.8186748				
MY09B	MY09B	5018.154707	3169.660304	2938.388283
2767.926404				
CBWD6	CBWD6	79.65324932	73.12257029	141.9640647
83.905126				
TUBA8	TUBA8	48.02622385	41.63924142	89.2855753
75.42033798				
RPS12	RPS12	7479.205836	6493.690478	13455.3362
10485.31249				
STRA6	STRA6	0	16.24946006	4.464278765
KIAA1522	KIAA1522	0	4.685485254	5.656525348
8.92855753	16.02682182			14.21827756
PREPL	PREPL	2496.192269	1831.111031	3713.387077
4643.064557				
CCPG1	CCPG1	2063.956254	2174.380875	2809.817055
2872.572123				
ELOVL5	ELOVL5	13182.61276	12961.99118	8849.093368
10676.69159				
CCR9	CCR9	0	84.29407409	16.07140355
KPTN	KPTN	552.88726	622.5574387	73.53482953
365.7886392				153.5711895
CACNA1G	CACNA1G	0	0	0.892855753
USP43	USP43	1.171371313	4.062365016	0
16.96957604				19.64282657
CD2	CD2	29962.50683	32858.43943	18616.93531
27314.41815				
DDX56	DDX56	5574.556081	9156.570747	7651.773803
6536.11504				
SLC35G1	SLC35G1	270.5867734	266.0849086	173.2140161

191.3791076					
PXK	PXK	2630.89997	2761.39262	1952.675532	
2616.142974					
CTBP2	CTBP2	11.71371313	2.031182508	22.32139383	
35.82466054					
SLC1A3	SLC1A3	1.171371313	14.21827756	2.678567259	0
NODAL	NODAL	2.342742627	11.17150379	0	16.02682182
CADPS2	CADPS2	0	0	0.942754225	
CENPU	CENPU	4663.229199	4662.579447	2284.817872	
2876.34314					
GSN	GSN	309.2420268	295.5370549	305.3566675	
324.3074533					
SHOX2	SHOX2	1.171371313	0	0	0.942754225
BCAT1	BCAT1	3519.970797	461.0784293	539.2848748	
3058.294705					
LOX	LOX	2.342742627	3.046773762	8.92855753	
1.885508449					
KIFAP3	KIFAP3	2703.524991	3600.270996	2973.209658	
2553.921195					
STAT6	STAT6	5856.856567	4284.779501	10120.51996	
10376.89575					
FAM185A	FAM185A	363.1251072	383.893494	312.4995136	
454.4075363					
CDK1	CDK1	12174.06206	13191.5148	5186.599069	
8412.195947					
ZFY	ZFY	1386.903635	0	0	1382.077693
SLC35C1	SLC35C1	1208.855195	1664.554065	1445.533464	
1226.523246					
NT5C3A	NT5C3A	2703.524991	2727.878108	4504.457274	
3326.979659					
KRT72	KRT72	0	0	7.542033798	
IL1R2	IL1R2	188.5907815	1781.34706	702.6774776	
600.5344411					
FNTA	FNTA	5694.035955	6989.29901	7115.167496	
5785.682677					
FAM131B	FAM131B	22.25605496	5.07795627	34.82137437	
30.16813519					
JADE1	JADE1	2598.101573	2649.677582	5660.705474	
4187.714266					
CEBPA	CEBPA	70.28227881	124.9177242	80.35701777	
47.13771124					
LINC00518	LINC00518		0	0	4.713771124
TCTEX1D4	TCTEX1D4		146.4214142	253.8978135	
414.2850694					
ADAMTSL2	ADAMTSL2		0	0	9.821413283
20.74059294					
KDF1	KDF1	1.171371313	0	105.3569789	33.93915209
LMF1	LMF1	312.7561407	263.0381348	681.2489396	
813.5968959					
LOC645513	LOC645513		469.7198967	407.2520929	

595.5347873	583.5648651			
CCNT2-AS1	CCNT2-AS1	43.3407386	83.27848283	
95.53556557	44.30944856			
LINC00940	LINC00940	3.51411394	0	0
MIR4687 MIR4687	224.9032922	179.759652	141.071209	0
144.2413964				
MIR4685 MIR4685	11.71371313	14.21827756	8.035701777	
23.56885562				
MIR4681 MIR4681	2.342742627	0	0	0.942754225
MIR4680 MIR4680	536.4880616	607.3235699	2408.031966	
2272.037682				
MIR6508 MIR6508	1.171371313	0	0	0
RARS2 RARS2	2266.603492	2556.243186	2421.424802	
2488.871153				
BIVM BIVM	2209.206297	1668.61643	837.4986963	
1205.782653				
PCDHB10 PCDHB10	0	0	8.484788022	
PCDHGC5 PCDHGC5	0	14.21827756	9.821413283	12.25580492
FLJ46906	FLJ46906	10.54234182	5.07795627	
10.71426904	4.713771124			
GABRB3 GABRB3	4.685485254	0	0	17.91233027
NFATC1 NFATC1	4134.940737	3281.375342	4953.563718	
4828.787139				
HJURP HJURP	6815.038302	8712.757368	2625.88877	
3923.743083				
EIF4E2 EIF4E2	7502.633263	8414.17354	5401.777306	
4974.914044				
PABPC4 PABPC4	1274.451989	820.5977333	949.1056655	
1022.888334				
SLC01C1 SLC01C1	0	0	3.571423012	0
CXorf56 CXorf56	818.7885481	880.5176173	1174.998171	
1022.888334				
SLC14A1 SLC14A1	19.91331233	71.09138778	17.85711506	
38.65292321				
SLC23A3 SLC23A3	25.7701689	16.24946006	48.21421066	
2.828262674				
RHBDD2 RHBDD2	4737.025592	7783.491371	7760.702205	
5678.208695				
TRPC4AP TRPC4AP	10776.61608	12631.92402	9087.485854	
10182.68838				
NOP10 NOP10	8122.288688	9699.912067	6131.240456	
6746.349232				
DHRS1 DHRS1	541.1735468	762.7090318	549.1062881	
668.4127453				
MICA MICA	133.5363297	157.4166444	283.9281295	
170.6385147				
TAZ TAZ	2066.298997	2120.554538	1999.104031	
2123.082514				
CCL17 CCL17	12.88508445	15.23386881	31.24995136	
237.5740646				

CCL3	CCL3	2924.91417	1475.654092	8035.701777
7422.304011				
SMARCE1	SMARCE1	9176.52287	11336.02958	7972.309019
8588.490987				
XYLB	XYLB	419.3509302	385.9246765	217.8568037
289.425547				
PLCH2	PLCH2	62.08267961	31.48332888	111.6069691
102.7602105				
MFGE8	MFGE8	426.3791581	205.1494333	318.7495038
183.8370738				
SRPK3	SRPK3	11.71371313	0	1.785711506
2.828262674				
TM9SF3	TM9SF3	11569.63446	9151.49279	9347.306878
10615.41257				
SERHL2	SERHL2	200.3044946	117.8085855	314.2852251
337.5060124				
N4BP2L2-IT2	N4BP2L2-IT2	44.30944856	12.88508445	0
95.53556557				
PHLDB1	PHLDB1	9.370970508	25.38978135	231.24964
97.10368515				
DUS3L	DUS3L	3127.561407	4715.390193	3997.315206
2886.713436				
CYP2U1	CYP2U1	404.1231031	440.7666043	824.9987158
572.2518144				
SLAIN1	SLAIN1	3426.261092	4146.65909	3311.601988
3491.018894				
ZNRD1	ZNRD1	1331.849183	0	0
1269.889941				
ULK3	ULK3	4990.041795	4491.960117	3049.995252
4731.683454				
CYFIP2	CYFIP2	28522.89148	32757.8959	28812.45515
28353.33331				
LIMS1	LIMS1	7750.963981	6582.046918	2749.995719
6102.448097				
SSPN	SSPN	0	0	4.713771124
4.713771124				
AOC2	AOC2	58.56856567	33.51451138	47.32135491
31.11088942				
MY06	MY06	175.705697	222.4144846	371.4279933
399.7277913				
ST20	ST20	373.667449	477.3278894	303.570956
321.4791906				
PRR4	PRR4	26.94154021	31.48332888	66.96418148
40.53843166				
AC02	AC02	13084.21757	19529.81982	12419.62352
11564.76607				
MIRLET7B	MIRLET7B		0	0
1.785711506				
POU5F1	POU5F1	4.685485254	2.031182508	0
0.942754225				
LST1	LST1	4.685485254	4.062365016	1.785711506
5.656525348				
SCIMP	SCIMP	31.62702546	14.21827756	49.10706642
23.56885562				
RSRC1	RSRC1	1012.064815	1071.448773	867.8557919

845.6505396						
GCSAML	GCSAML	5.856856567	3.046773762	0	19.79783872	
LFNG	LFNG	240.1311193	410.2988666	36.60708587		
116.9015239						
TNRC6B	TNRC6B	3194.329572	2527.806631	3936.601015		
4031.217065						
PRKAG2	PRKAG2	1240.482221	1113.088014	2325.889237		
1902.478025						
PPP1R18	PPP1R18	1.171371313	0	0	0	
HOGA1	HOGA1	0	1.015591254	0	0	
KCNQ3	KCNQ3	7.028227881	0	5.357134518	0	
SEC61G	SEC61G	4604.660633	4420.868729	3441.958928		
3502.331945						
TMEM218	TMEM218	1111.631376	1153.711665	902.6771663		
925.7846487						
NBPF8	NBPF8	589.1997707	411.3144579	639.2847192		
662.75622						
CD33	CD33	0	73.12257029	170.5354488	8.484788022	
LEKR1	LEKR1	74.96776406	49.76397145	64.28561422		
34.88190631						
UNG	UNG	4970.128483	6566.813049	3966.065255		
4487.51011						
FAM83D	FAM83D	1939.790895	2042.354012	585.713374		
1181.271044						
FIP1L1	FIP1L1	5247.743484	6167.685686	5683.026868		
5434.035351						
CHKA	CHKA	990.9801312	1510.184195	942.8556752		
728.7490157						
S1PR1	S1PR1	14700.70998	14755.52533	9624.985018		
9111.719582						
CHGA	CHGA	1.171371313	0	11.60712479	0	
HLA-A	HLA-A	104997.0391	88618.46165	115364.999		
126174.4544						
SC01	SC01	2316.972458	2906.622169	2459.8176		
2129.681794						
KLHL41	KLHL41	5.856856567	2.031182508	0	0.942754225	
EGR1	EGR1	611.4558256	462.0940206	736.6059962		
1172.786256						
GLRX	GLRX	4662.057828	6976.096324	3423.208957		
3569.267495						
RNH1	RNH1	7449.921554	10911.51243	13626.7645		
10556.96181						
SLC2A5	SLC2A5	26.94154021	11.17150379	0	0	
RNF4	RNF4	10711.01929	12537.47403	11899.08862		
10391.97982						
SEMA3F	SEMA3F	0	0	0	5.656525348	
EDN1	EDN1	0	1.015591254	0	5.656525348	
GFAP	GFAP	1.171371313	1.015591254	0.892855753	0	
PPP4R1	PPP4R1	2176.4079	2207.895386	1390.176407		
1738.43879						

CA7	CA7	2.342742627	3.046773762	8.92855753	
1.885508449					
CA3	CA3	1.171371313	0	7.142846024	6.599279573
TRMT6	TRMT6	1359.962095	1875.797046	1715.175902	
1752.580104					
AKAP1	AKAP1	2543.047122	3422.542526	2925.888303	
2724.559709					
GRAMD1B	GRAMD1B	3001.053305	1763.066417	468.7492703	
882.4179543					
ARNTL2	ARNTL2	2954.198453	3830.81021	800.8916105	
1115.278248					
HIPK3	HIPK3	3314.980817	1875.797046	3549.101618	
3688.997281					
AKT1S1	AKT1S1	749.6776406	509.8268095	561.6062687	
541.140925					
ZNF205	ZNF205	33.96976809	34.53010264	28.5713841	
25.45436407					
ADAM29	ADAM29	3.51411394	0	0	3.771016899
ZNF112	ZNF112	0	0	1.885508449	
LOC401010	LOC401010		10.54234182	14.21827756	
3.571423012	13.19855915				
ZNF839	ZNF839	578.6574288	550.4504597	775.8916494	
660.8707115					
PTGS1	PTGS1	10.54234182	25.38978135	0	0
ATF2	ATF2	5356.681016	4226.890799	4800.885384	
5341.645437					
THSD1	THSD1	0	7.109138778	33.03566286	0
GAS2L1	GAS2L1	224.9032922	53.82633646	40.17850889	
91.4471598					
FXYP1	FXYP1	11.71371313	11.17150379	8.035701777	
9.427542247					
CCDC144CP	CCDC144CP		3.51411394	5.07795627	0
4.713771124					
ICOSLG	ICOSLG	350.2400227	380.8467203	250.8924666	
176.29504					
IL1RAP	IL1RAP	624.3409101	864.2681572	844.6415424	
582.6221109					
MROH8	MROH8	843.3873457	1143.555752	733.927429	
685.3823214					
PDHA1	PDHA1	4971.299854	7076.639858	5793.740981	
6185.410468					
IFT22	IFT22	431.0646434	420.4547792	361.60658	
271.5132167					
LINC00669	LINC00669		4.685485254	3.046773762	0
1.885508449					
M1AP	M1AP	16.39919839	19.29623383	0	6.599279573
EMC1	EMC1	4020.146348	4595.550425	3836.601171	
3470.278301					
FKBP6	FKBP6	0	0	0.942754225	
TREX1	TREX1	3186.129973	4369.073575	4212.493443	

3982.193845					
SCMH1	SCMH1	734.4498135	695.680009	646.4275652	
625.046051					
JKAMP	JKAMP	4397.327911	4538.677314	3367.8519	
3808.727068					
MED30	MED30	1885.907815	2230.238394	2075.889626	
1798.775061					
KCNB1	KCNB1	5.856856567	0	1.785711506	0
PIR-FIGF	PIR-FIGF		561.0868591	622.5574387	
136.6069302		142.3558879			
IL17RC	IL17RC	179.219811	139.1360018	327.6780614	
313.9371568					
MYNN	MYNN	2246.690179	1992.59004	2543.74604	
2231.49925					
DDX39B	DDX39B	1.171371313	3.046773762	0.892855753	
2.828262674					
C21orf62	C21orf62		4.685485254	0	8.92855753
16.96957604					
BEX4	BEX4	503.6896648	627.635395	2450.889042	
1946.787474					
RPEL1	RPEL1	1.171371313	0	0.892855753	0.942754225
IMPDH1	IMPDH1	5648.352474	6460.175967	3176.780769	
4141.519309					
TSP02	TSP02	3.51411394	3.046773762	5.357134518	0
ARAP1	ARAP1	4826.049811	4400.556904	5080.349235	
4436.601382					
PDE8B	PDE8B	18.74194102	10.15591254	19.64282657	
16.02682182					
SUC0	SUC0	1776.970283	1326.362178	3141.959395	
2612.371957					
C18orf54	C18orf54		893.7563122	639.8224901	
396.4279543		489.2894426			
ELAC1	ELAC1	844.558717	1151.680482	1137.498229	
1076.625325					
CCDC7	CCDC7	215.5323217	150.3075056	247.3210436	
215.8907175					
TSPAN5	TSPAN5	3839.755166	3346.373182	2080.353905	
2710.418396					
CNOT4	CNOT4	1753.542856	1745.801366	2264.28219	
2036.349125					
1-Dec	1-Dec	5.856856567	0	0	4.713771124
TMED9	TMED9	4507.436814	8626.432112	6645.52537	
6265.544577					
SHANK2	SHANK2	0	0	0.892855753	3.771016899
LRPPRC	LRPPRC	8453.786769	9470.388444	9191.057122	
8089.774002					
HSPA8	HSPA8	115388.274	155262.5753	187199.7086	
146594.5109					
IGF2BP3	IGF2BP3	14.05645576	48.74838019	49.99992217	
43.36669434					

GTDC1	GTDC1	1547.381505	1404.562704	733.0345732	
1085.110113					
SYPL2	SYPL2	0	3.046773762	0.892855753	0
TMEM150A	TMEM150A		159.3064986	223.4300759	
583.9276625		608.0764749			
EPN1	EPN1	1060.091039	504.7488533	458.9278571	
416.6973673					
SKAP1	SKAP1	5921.28199	6803.445811	3474.994591	
5280.366413					
ANKRD30B	ANKRD30B	0	0	0.892855753	0
PLEC	PLEC	6195.382877	4668.672995	3516.065955	
4889.123409					
TAF1C	TAF1C	1480.61334	828.7224633	938.3913964	
1255.748627					
MYH14	MYH14	0	4.062365016	0	0
LOC81691	LOC81691		657.1393069	848.0186971	
678.5703723		538.3126623			
ZNF502	ZNF502	19.91331233	14.21827756	212.4996692	
298.8530892					
TMEM114	TMEM114	0	0	4.464278765	0
CASP5	CASP5	1.171371313	1.015591254	3.571423012	0
MIEF2	MIEF2	612.6271969	708.8826953	783.0344954	
711.7794397					
ZSCAN2	ZSCAN2	534.1453189	557.5595985	734.8202847	
444.9799941					
C9orf131	C9orf131		51.54033779	21.32741634	
55.35705669		61.27902461			
GXYLT2	GXYLT2	45.68348122	31.48332888	8.035701777	
22.62610139					
PPM1N	PPM1N	45.68348122	58.90429273	74.99988325	
65.99279573					
STAG3L5P-PVRIG2P-PILRB	STAG3L5P-PVRIG2P-PILRB			2388.426108	
1138.477796		3390.173294	3651.287112		
WHAMMP1	WHAMMP1	67.93953618	28.43655511	597.3204988	
463.8350786					
CCDC144B	CCDC144B		428.7219007	240.6951272	
470.5349818		654.271432			
MROH6	MROH6	24.59879758	17.26505132	24.99996108	
31.11088942					
KLHL35	KLHL35	1.171371313	31.48332888	69.64274874	
82.96237177					
CD74	CD74	69491.60317	69124.18752	42186.54147	
40837.28475					
PLEKHB2	PLEKHB2	13079.53209	17455.98247	11533.01776	
10688.00465					
DNAJA3	DNAJA3	6132.128826	8604.089104	7693.738024	
7203.585031					
ENPP2	ENPP2	1618.835155	190.9311558	515.1777695	
764.5736762					
ATP4B	ATP4B	1.171371313	0	0	0

CELA1	CELA1	19.91331233	4.062365016	8.035701777
5.656525348				
IL10	IL10	752.0203832	186.8687907	417.8564924
650.5004151				
HOXA10	HOXA10	0	0	8.484788022
SPATA22	SPATA22	2.342742627	0	0.892855753
MBNL3	MBNL3	871.5002572	333.1139313	737.498852
709.8939312				
PLEKHH1	PLEKHH1	86.6814772	129.9956805	253.5710339
152.7261844				
TAOK1	TAOK1	732.1070709	419.4391879	818.7487255
639.1873644				
CCDC54	CCDC54	0	0	1.885508449
CARD6	CARD6	920.6978524	1014.575663	601.7847775
639.1873644				
GPR126	GPR126	5.856856567	0	118.7498152
WDR35	WDR35	456.8348122	400.1429541	323.2137826
577.9083398				
TMEM200A	TMEM200A		248.3307185	426.5483267
269.6424374		307.3378773		
PJA1	PJA1	1310.7645	1963.137894	3259.816354
2569.005262				
GPRIN1	GPRIN1	713.3651299	829.7380546	176.7854391
537.3699081				
PSG7	PSG7	0	0	0.892855753
ROB02	ROB02	0	0	2.678567259
INSL3	INSL3	244.8166045	199.0558858	266.0710144
252.6581322				
LOC729683	LOC729683		436.9214999	354.4413477
633.0347289		643.9011355		
MIR3127	MIR3127	0	3.046773762	0
AIFM3	AIFM3	1.171371313	3.046773762	0.942754225
6.599279573				20.53568232
XRRA1	XRRA1	684.0808471	1960.09112	3049.102397
1144.503629				
TMC8	TMC8	7391.352988	5875.195405	2485.710416
3550.41241				
POLR2H	POLR2H	3256.412251	4169.002098	2771.424257
2999.843943				
FMN1	FMN1	0	5.07795627	74.1070275
PTPRCAP	PTPRCAP	27271.86692	35374.05897	1.885508449
13610.54274				8631.236565
NAA20	NAA20	4625.745317	5272.949791	3882.136814
4390.406425				
MIR3618	MIR3618	91.36696245	70.07579653	56.24991244
53.73699081				
MIR3615	MIR3615	1484.127454	2145.94432	583.9276625
546.7974503				
RPS18P9	RPS18P9	22.25605496	19.29623383	23.21424958
29.22538097				

IL13RA1	IL13RA1	7.028227881	4.062365016	35.71423012
117.8442781				
TMEM262	TMEM262	44.51210991	37.5768764	51.78563368
78.24860065				
RPA2	RPA2	10525.94262	15940.72032	14017.83532
11680.72484				
UQCRH	UQCRH	8203.113308	9311.956208	4644.635627
5146.495313				
DOCK7	DOCK7	447.4638417	225.4612584	508.9277792
540.1981708				
HLA-D0B	HLA-D0B	0	5.07795627	7.142846024
0				0
SPAM1	SPAM1	0	0	1.885508449
0				
SLC28A2	SLC28A2	1.171371313	1.015591254	5.357134518
2.828262674				
MIR27A	MIR27A	0	2.031182508	0
0				3.771016899
LOC388692	LOC388692		122.9939879	70.07579653
519.6420483	400.6705455			
CD200	CD200	2285.345433	1744.785774	2831.245593
3533.442834				
MOCS1	MOCS1	21.08468364	17.26505132	83.92844078
91.4471598				
MMP11	MMP11	16.39919839	36.56128515	75.89273901
93.33266825				
METTL23	METTL23	2130.724419	2001.730362	2593.745963
2370.084121				
MTRNR2L10	MTRNR2L10		2.342742627	0
0.942754225				0.892855753
NOL4	NOL4	0	0	2.828262674
0				
ZNF3	ZNF3	1669.204122	2141.881955	2902.674053
2218.300691				
RPE	RPE	2697.668135	2430.309871	1528.569049
2226.785479				
CRSP8P	CRSP8P	3.51411394	8.124730032	6.249990271
14.14131337				
RAB23	RAB23	371.3247064	414.3612317	378.5708393
336.5632582				
MIR940	MIR940	3.51411394	0	1.785711506
0				0.942754225
MIR939	MIR939	376.0101916	383.893494	181.2497179
292.2538097				
LOC644961	LOC644961		181.5625536	145.2295493
276.7852834	180.0660569			
MTERF4	MTERF4	1847.252561	2024.073369	2535.710339
2216.415182				
ALG3	ALG3	3384.091725	4508.209577	3091.959473
3337.349955				
MIR933	MIR933	2.342742627	5.07795627	4.464278765
0.942754225				
MPDU1	MPDU1	5323.88262	6600.32756	2415.174812
3474.992072				
LOC283335	LOC283335		8.199599194	7.109138778

95.53556557	15.0840676			
RCC1	RCC1	6909.919378	7721.540305	3956.243842
3877.548126				
C2CD3	C2CD3	2239.661951	1156.758438	2022.318281
1945.84472				
CCDC12	CCDC12	2796.063325	3846.044079	3201.78073
2993.244663				
ATP6V1G2-DDX39B	ATP6V1G2-DDX39B	1.171371313		3.046773762
0.892855753	2.828262674			
RNF7	RNF7	3380.577611	3520.039287	3061.602377
2995.130172				
ZNF778	ZNF778	359.6109932	388.9714503	508.9277792
332.7922413				
TEX264	TEX264	3400.490923	4291.88864	2373.210592
2535.06611				
IN080B-WBP1	IN080B-WBP1		1963.218321	1794.549746
1597.318942	1235.008034			
COLEC11	COLEC11	2.342742627	0	0.892855753
SMARCAD1	SMARCAD1		3831.555566	3097.553325
2566.067434	3434.453641			
LINC00954	LINC00954		87.85284851	33.51451138
286.6066967	208.3486837			
DDX11L10	DDX11L10		2.342742627	0
0				0.892855753
FKBP9P1	FKBP9P1	2.342742627	0	0
PPIEL	PPIEL	156.963756	45.70160643	88.39271955
54.67974503				
API5	API5	16859.54731	17544.33891	14217.83501
16382.24016				
MIR3191	MIR3191	1.171371313	5.07795627	5.357134518
0.942754225				
MIR3190	MIR3190	1.171371313	5.07795627	5.357134518
0.942754225				
CROCCP2	CROCCP2	616.1413109	297.5682374	697.3203431
1212.381933				
MINK1	MINK1	2805.434296	1424.874529	1681.247383
1822.343916				
NFATC2	NFATC2	7174.649295	4012.601045	3614.280088
5744.201491				
RASA4B	RASA4B	107.7661608	184.8376082	311.6066578
206.4631752				
LRRC49	LRRC49	8.199599194	8.124730032	6.249990271
0.942754225				
ABCC10	ABCC10	2804.262924	2848.733468	2504.460387
2526.581322				
ZBTB33	ZBTB33	1570.808931	1124.259518	2315.174968
2561.463229				
TRIM26	TRIM26	3.51411394	4.062365016	4.464278765
LDB3	LDB3	3.51411394	5.07795627	6.249990271
9.427542247				0

RAD51	RAD51	5178.632577	6724.229693	1932.13985
3001.729451				
SERPINA10	SERPINA10		0 0	0 4.713771124
SNRK	SNRK	4425.440822	3805.420429	5063.384975
5564.135434				
ZNF250	ZNF250	268.2440308	423.5015529	952.6770885
740.0620664				
MLKL	MLKL	1611.806927	2235.31635	1457.140589
1538.574895				
PGM1	PGM1	1902.307013	2217.035708	1903.568465
2182.47603				
FAM122B	FAM122B	1026.121271	364.5972602	443.7493093
618.4467714				
ZNF419	ZNF419	378.3529342	384.9090853	541.9634421
527.9423658				
DNAH14	DNAH14	39.82662466	12.18709505	14.28569205
53.73699081				
VPS37A	VPS37A	2142.438132	2494.29212	2436.60335
2704.761871				
BBIP1	BBIP1	1313.107242	1033.871897	3347.316218
3604.149401				
LOC101928600	LOC101928600		0 0	0 1.885508449
HS1BP3-IT1	HS1BP3-IT1		0 0	3.571423012 0
SMN2	SMN2	986.2946459	1317.221857	1178.569594
1169.957993				
DCLRE1B	DCLRE1B	2000.702203	2275.94 1443.747753	1710.156164
VWA1	VWA1	7.028227881	5.07795627	0 11.3130507
FAM129B	FAM129B	140.5645576	530.1386346	227.678217
32.99639787				
MED8	MED8	3009.252904	3603.317769	2744.638585
2853.717038				
NPNT	NPNT	1.171371313	0 1.785711506	0
STX8	STX8	1564.952075	1824.001892	1311.605101
1268.947186				
RFX2	RFX2	420.5223015	663.1810889	891.9628973
609.0192292				
PPT2	PPT2	0 0	0 1.885508449	
R3HCC1L	R3HCC1L	2111.982478	2554.212004	2560.7103
2655.738651				
P2RY10	P2RY10	4386.785569	5845.743258	4014.279466
4505.42244				
PDE4D	PDE4D	3095.934381	1970.247033	1677.67596
2780.182209				
LINC00877	LINC00877		16.39919839	18.28064257
5.357134518	14.14131337			
LOC100287072	LOC100287072		0 0	0.892855753
5.656525348				
ARFRP1	ARFRP1	3563.311536	4116.191353	3222.316413
3156.341144				
HIGD1B	HIGD1B	40.99799597	45.70160643	28.5713841

39.59567744					
ZMYND11	ZMYND11	2958.883938	2544.056091	3174.995058	
3060.180213					
SERPINB8	SERPINB8		757.8772398	928.2504062	
1078.56975	1013.460792				
PTPRB	PTPRB	0	0	1.785711506	0.942754225
ADARB1	ADARB1	994.4942451	1513.230969	1029.462683	
975.7506226					
ZNF559	ZNF559	759.0486111	811.457412	2916.066889	
1704.499638					
MTUS1	MTUS1	220.2178069	70.07579653	326.7852056	
685.3823214					
SPERT	SPERT	3.51411394	9.140321286	8.035701777	
5.656525348					
MXI1	MXI1	739.1352988	688.5708702	4509.814409	
3029.069324					
ZC3H8	ZC3H8	476.7481246	499.670897	962.4985018	
885.246217					
LOC101927653	LOC101927653	0	0	1.785711506	0
NDUFC1	NDUFC1	4465.267447	4267.51445	3177.673625	
3394.857963					
NET02	NET02	2937.799254	3710.970442	1192.855286	
1404.703795					
STX5	STX5	1521.611336	1054.183722	1823.211448	
1255.748627					
RPS6KB1	RPS6KB1	4580.061836	4715.390193	3871.422545	
3492.904403					
AHR	AHR	3329.037273	3162.551165	3408.923265	
3487.247877					
F8A1	F8A1	1484.127454	1516.277742	1868.747091	
1989.211414					
CLEC2B	CLEC2B	2483.307185	1117.150379	3966.065255	
3253.444829					
CKAP5	CKAP5	14849.47414	10678.94204	5026.77789	
8867.546238					
PTDSS1	PTDSS1	10235.44254	15992.51548	7746.416513	
7455.300409					
C19orf66	C19orf66		3852.64025	3318.952218	
5446.420093	4856.127012				
PHYH	PHYH	1064.776524	1076.526729	990.1770301	
1286.859517					
PFKFB2	PFKFB2	69.11090749	43.67042392	413.3922137	
132.9283457					
WRAP53	WRAP53	1983.131634	2741.080795	1908.032744	
1394.333498					
ZNF528	ZNF528	337.3549383	417.4080054	1009.819857	
464.7778328					
FAM53C	FAM53C	4763.967132	4700.156324	4514.278687	
4040.644607					
CYP39A1	CYP39A1	0	2.031182508	0	0

SYBU	SYBU	1.171371313	2.031182508	14.28569205
31.11088942				
VEPH1	VEPH1	1.171371313	5.07795627	0 7.542033798
APEX1	APEX1	6898.205665	8732.053602	8677.665064
8566.80764				
GADD45GIP1	GADD45GIP1		3700.361979	5662.936833
3797.315518	3512.702241			
CCDC97	CCDC97	3307.952589	3848.075262	3134.816549
2747.185811				
EMILIN3	EMILIN3	1.171371313	2.031182508	2.678567259
7.542033798				
SRSF8	SRSF8	2792.549211	2998.025382	5705.348262
4559.159431				
ABHD10	ABHD10	3136.932377	3879.55859	3774.101268
3907.716261				
SHISA5	SHISA5	13257.58053	14745.36942	14572.29875
12491.49348				
MEI4	MEI4	0 0	0.892855753	0
CALCRL	CALCRL	86.6814772	10.15591254	0.892855753
27.33987252				
PUF60	PUF60	15474.98642	24136.54174	16538.36711
15223.59522				
KCNMA1	KCNMA1	3.51411394	3.046773762	9.821413283
41.48118589				
RHOBTB2	RHOBTB2	818.7885481	819.582142	982.1413283
898.4447762				
MSRB3	MSRB3	10.54234182	21.32741634	1.785711506
6.599279573				
SECISBP2L	SECISBP2L		1705.516632	1121.212744
1402.676388	1508.40676			
RIMS1	RIMS1	0 1.015591254	0 0	
GRTP1-AS1	GRTP1-AS1		0 4.062365016	10.71426904
	1.885508449			
EGFR	EGFR	0 0	0 18.85508449	
BLM	BLM	6125.100598	4974.365962	1569.640414
3639.974062				
SH3BGR	SH3BGR	70.28227881	91.40321286	147.3211993
123.5008034				
GEMIN7	GEMIN7	1809.768679	2557.258778	1188.391007
1444.299472				
CASKIN2	CASKIN2	98.39519033	24.3741901	25.89281684
46.19495701				
MAK16	MAK16	3990.862065	3844.012897	3908.922487
4247.107782				
FAM53B	FAM53B	2422.395876	2160.162597	1513.390501
541.140925				
AURKAIP1	AURKAIP1		6086.445345	9023.528292
5353.563095	4493.166635			
NFKBIL1	NFKBIL1	32.79839678	68.04461402	42.85707615
57.50800771				

WWP2	WWP2	6550.308385	8110.511755	5922.31221	
6228.777163					
SERPINA1	SERPINA1		0	0	114.2855364
PRAP1	PRAP1	2.342742627	0	11.60712479	12.25580492
UBXN6	UBXN6	234.2742627	156.4010531	184.8211409	
165.9247436					
CLCN2	CLCN2	87.85284851	98.51235164	96.42842133	
140.4703795					
MIR4444-2	MIR4444-2		376.0101916	338.1918876	
274.9995719	276.2269878				
CLIP4	CLIP4	1877.708215	1182.14822	2934.81686	
2899.911995					
MIR7851	MIR7851	39.82662466	20.31182508	28.5713841	
30.16813519					
MIR6846	MIR6846	0	0	1.885508449	
ZNF627	ZNF627	445.1210991	490.5305757	1121.426826	
973.8651141					
RHOT1	RHOT1	3027.994845	2929.980768	2810.709911	
3187.452034					
NEURL1B	NEURL1B	1.171371313	1.015591254	15.1785478	
16.96957604					
CTH	CTH	104.2520469	132.026863	316.9637923	
108.4167358					
DOCK8	DOCK8	17364.40835	12038.81873	7937.487644	
10738.91337					
DYNC2LI1	DYNC2LI1		333.8408243	300.6150112	
254.4638896	431.7814349				
KIRREL3	KIRREL3	1.171371313	3.046773762	2.678567259	0
ST6GAL2	ST6GAL2	0	4.464278765	0	
PPM1L	PPM1L	66.76816487	43.67042392	46.42849916	
68.8210584					
CCL23	CCL23	0	5.07795627	0	2.828262674
UEVLD	UEVLD	1113.974119	1506.12183	1233.033795	
876.761429					
PCDH15	PCDH15	0	0	2.678567259	0
TTLL11	TTLL11	86.6814772	142.1827756	151.785478	
110.3022443					
PARP9	PARP9	9833.662176	10239.19102	22693.71467	
16931.86588					
STRADA	STRADA	2577.01689	3119.896332	2344.639207	
2198.502852					
ARHGAP4	ARHGAP4	9042.98654	8315.661188	3166.959356	
4845.756715					
SMAD7	SMAD7	653.6251929	1156.758438	630.3561616	
761.7454136					
SCAMP4	SCAMP4	1354.105238	1148.633708	875.8914937	
886.1889712					
HSD17B12	HSD17B12		1983.131634	2613.116297	
1750.890132	1829.88595				
C6orf165	C6orf165		0	0	2.678567259
					0

BANK1	BANK1	0	4.062365016	0	38.65292321	
ASB10	ASB10	0	0	0	0.942754225	
PXN	PXN	8355.391579		7747.945677		5255.348962
4887.237901						
VPRBP	VPRBP	5374.251586		4567.113869		5410.705863
4958.887222						
NFYC	NFYC	4895.160719		6268.22922		4815.171076
4559.159431						
ZNF780A	ZNF780A	647.7683363		423.5015529		872.3200707
827.7382093						
RTL1	RTL1	0	0	5.357134518		0
TCF7	TCF7	1314.278614		857.1590184		12118.73114
11963.55111						
VRK3	VRK3	4063.487086		4952.022955		5033.920736
4732.626208						
TMBIM1	TMBIM1	8492.442023		10074.66524		8221.415774
6998.06461						
BAG6	BAG6	5.856856567		1.015591254		2.678567259
0.942754225						
ASPH	ASPH	306.8992841		288.4279162		556.2491341
476.0908835						
NOS1	NOS1	0	0	5.357134518		2.828262674
DST	DST	296.3569423		297.5682374		245.5353321
196.0928787						
BMP6	BMP6	638.3973658		681.4617315		414.2850694
561.8815179						
CXCR5	CXCR5	353.7541367		251.866631		1213.390968
1657.361927						
ITPRIPL1	ITPRIPL1			2427.081361		2367.343213
1011.605568		1597.968411				
RANBP3	RANBP3	972.2381902		509.8268095		385.7136853
450.6365194						
PLXNB3	PLXNB3	8.199599194		5.07795627		23.21424958
CHRNA9	CHRNA9	1.171371313		0	27.67852834	0
CSRP2BP	CSRP2BP	1855.452161		2264.768497		2298.210708
2366.313104						
CYP2D6	CYP2D6	30.45565415		18.28064257		25.89281684
27.33987252						
PDLIM5	PDLIM5	1686.774691		2284.06473		2902.674053
2346.515265						
CSNK1G3	CSNK1G3	2060.44214		1819.939527		2666.067279
2789.609751						
CDK2AP1	CDK2AP1	3694.505123		4042.053191		1982.139772
2705.704625						
AKAP9	AKAP9	2011.244545		1837.204579		3017.852445
2742.47204						
FAM208A	FAM208A	4011.946749		2109.383035		2328.567804
3233.646991						
TAGLN3	TAGLN3	4.685485254		24.3741901		23.21424958
16.96957604						

SAP30BP	SAP30BP	3582.053477	4257.358537	4396.421728
3735.192238				
TTC22	TTC22	450.9779557	378.8155378	266.9638702
393.1285117				
MRPL1	MRPL1	1432.587116	1516.277742	1075.891182
1399.990024				
PSMG2	PSMG2	5257.114455	4918.508443	4118.743589
4641.179048				
PRDM8	PRDM8	2070.984482	304.6773762	249.9996108
868.276641				
ANK1	ANK1	1014.407557	358.5037127	484.8206739
1039.85791				
USP19	USP19	6427.314397	6619.623794	7511.59545
6920.758764				
SLC35D1	SLC35D1	3338.408243	2062.665837	1232.140939
1933.588915				
SLAMF8	SLAMF8	39.82662466	37.5768764	157.1426125
36.76741476				
KCMF1	KCMF1	3897.15236	3465.197359	2996.423907
2780.182209				
PON2	PON2	408.8085884	550.4504597	303.570956
446.8655025				
SCG2	SCG2	0	3.046773762	6.249990271
0				0
CXCR4	CXCR4	5113.035783	6869.459242	11982.12421
11429.95222				
PAX8	PAX8	190.9335241	79.21611782	47.32135491
217.7762259				
AP1M2	AP1M2	0	0	2.828262674
0				
LIF	LIF	2117.839335	1761.035235	914.2842911
643.9011355				
NUDT1	NUDT1	3655.849869	4760.076208	1683.033094
1982.612135				
MPG	MPG	2435.280961	3412.386614	1749.997276
1975.070101				
LCT	LCT	22.25605496	23.35859884	14.28569205
10.37029647				
CHIT1	CHIT1	19.91331233	16.24946006	0
0				1.885508449
GTF2F1	GTF2F1	3657.021241	4609.768702	4150.886396
3248.731058				
FGB	FGB	0	0	0.942754225
0				
SLC12A6	SLC12A6	3487.1724	2687.254458	2548.210319
2870.686614				
MRPL3	MRPL3	8158.601198	10501.21357	7934.809077
8333.004592				
MMP2	MMP2	7.028227881	26.40537261	0
0				22.62610139
SPG21	SPG21	6077.074374	7466.6269	6274.990232
5568.849205				
WDR81	WDR81	3475.458687	1966.184668	2252.675065
2294.663783				
ZNF587B	ZNF587B	531.8025763	462.0940206	707.1417564

700.466389				
SLC25A22	SLC25A22		2435.280961	2392.732995
2004.461166	1726.182985			
ITIH2 ITIH2	1.171371313		2.031182508	24.99996108
11.3130507				
NCEH1 NCEH1	919.5264811		1268.473476	485.7135296
630.7025763				
AFF2 AFF2	16.39919839	0	0.892855753	10.37029647
MEGF6 MEGF6	45.68348122		17.26505132	352.6780224
403.4988082				
DCTN1 DCTN1	10397.09178		11630.55104	6947.310614
8356.573448				
ARHGEF1 ARHGEF1	20809.41138		20189.95413	11578.55341
13709.53194				
CPEB3 CPEB3	317.4416259		160.4634181	255.3567454
209.2914379				
HDHD1 HDHD1	2106.125622		4415.790773	1966.961224
1291.573288				
ZNF568 ZNF568	294.0141997		266.0849086	880.3557725
805.1121079				
SYPL1 SYPL1	1836.71022		2452.652879	5008.920775
4372.494094				
DISC1 DISC1	192.1048954		106.6370817	267.8567259
278.1124963				
DNAI2 DNAI2	38.65525334		81.24730032	58.9284797
14.14131337				
AQP10 AQP10	0	5.07795627	0	0
UCP3 UCP3	39.82662466		59.91988399	204.4639674
145.1841506				
CYB561 CYB561	445.1210991		42.65483267	1156.2482
1305.714601				
VDR VDR	7606.88531		5564.424481	3714.279933
4808.9893				
MYBL1 MYBL1	156.963756		233.5859884	383.0351181
547.7402046				
IL18BP IL18BP	323.2984825		465.1407944	508.9277792
399.7277913				
C2orf81 C2orf81	44.51210991		49.76397145	182.1425736
107.4739816				
SPHK1 SPHK1	330.3267104		331.0827488	533.0348846
319.5936822				
PLBD2 PLBD2	661.8247921		600.2144311	376.7851278
488.3466884				
FBX028 FBX028	1720.744459		1847.360491	1966.068368
2025.036075				
GPR156 GPR156	4.685485254		7.109138778	0 0
OTUD3 OTUD3	214.3609504		191.946747	324.1066384
276.2269878				
ABCB8 ABCB8	2750.379844		2774.595306	1673.211681
1936.417178				

LINC00608	LINC00608	0	0	0.892855753
0.942754225				
LOC101060389	LOC101060389	69.11090749		30.46773762
64.28561422	82.01961755			
C1RL-AS1	C1RL-AS1	329.1553391		144.2139581
227.678217	185.7225823			
C6orf52 C6orf52	110.1089035	142.1827756		152.6783338
76.3630922				
ZNF487 ZNF487	72.62502143	76.16934405		52.67848943
72.5920753				
POP4 POP4	5715.120638	8160.275726		4844.635316
4848.584978				
MIR3922 MIR3922	1.171371313	1.015591254	0	0
ABHD11-AS1	ABHD11-AS1	12.88508445		11.17150379
1.785711506	5.656525348			
EFCAB2 EFCAB2	146.4214142	74.13816155		79.46416202
115.9587696				
PDCD4-AS1	PDCD4-AS1	133.5363297		123.902133
308.9280905	178.1805485			
LOC100268168	LOC100268168	1.171371313		16.24946006
32.14280711	17.91233027			
MIR3918 MIR3918	230.7601488	287.4123249		249.1067551
319.5936822				
KLRAP1 KLRAP1	24.59879758	9.140321286		91.96414256
54.67974503				
MIR744 MIR744	1.171371313	5.07795627	13.3928363	0
CTNND2 CTNND2	4.685485254	0	7.142846024	2.828262674
ZNF415 ZNF415	11.71371313	0	162.4997471	80.1341091
PRKAB2 PRKAB2	340.8690522	339.2074789		975.8913381
796.6273199				
MGAT1 MGAT1	8657.605378	10642.38075		9246.414178
8301.893703				
REPS2 REPS2	0	0	6.249990271	0.942754225
BUB3 BUB3	19229.23148	25857.96892		17940.15065
18235.69497				
MCOLN2 MCOLN2	1221.74028	576.8558323		963.3913575
694.8098636				
PHRF1 PHRF1	5870.913023	5414.116975		5051.777851
4232.966469				
DOCK6 DOCK6	23.42742627	2.031182508		18.74997081
19.79783872				
TTN TTN	1399.78872	1322.299813		1757.140122
1795.946798				
PTPN2 PTPN2	4827.221183	4522.427854		3381.244737
4752.424047				
SPHAR SPHAR	233.1028914	162.4946006		133.928363
136.6993626				
GLRX3 GLRX3	5595.640764	6638.920028		4374.100334
4852.355995				
RPP21 RPP21	0	115.777403	200.8925444	0

ZNF613	ZNF613	607.9417117	611.3859349	1133.926806	
819.2534213					
EIF3IP1	EIF3IP1	1.171371313	0	0	0
PPP2R5E	PPP2R5E	3580.882105	2919.824855	2667.85299	
2806.579327					
SNORA59B	SNORA59B		2.342742627	4.062365016	
2.678567259	8.484788022				
ZNF658B	ZNF658B	4.685485254	5.07795627	11.60712479	
11.3130507					
C1orf180	C1orf180		0	0	0.942754225
LHFPL3-AS2	LHFPL3-AS2		1.171371313	2.031182508	0
0					
AKAP14	AKAP14	1.171371313	2.031182508	0.892855753	
0.942754225					
TMEM30B	TMEM30B	23.42742627	52.81074521	349.9994552	
324.3074533					
PRKCZ	PRKCZ	367.8105924	604.2767962	1039.284097	
1083.224604					
PIKFYVE	PIKFYVE	2065.127626	841.9251496	1512.497646	
1502.750234					
CASS4	CASS4	283.4718579	302.6461937	424.9993384	
423.2966469					
C10orf2	C10orf2	824.6454047	791.1455869	1160.712479	
1011.575283					
RNF166	RNF166	4314.160547	3495.665096	2193.746585	
2415.336324					
SLC23A2	SLC23A2	2193.97847	1898.140054	1055.3555	
1512.177776					
CHST12	CHST12	1943.305009	2496.323302	945.5342425	
910.7005811					
CHCHD1	CHCHD1	2463.393872	2364.296439	1510.711934	
1914.73383					
TRIM7	TRIM7	26.94154021	39.60805891	90.17843106	
49.02321969					
ETV6	ETV6	3303.267104	1696.037394	2046.425386	
2905.568521					
GRTP1	GRTP1	1.171371313	9.140321286	38.39279738	
30.16813519					
DLX4	DLX4	4.685485254	4.062365016	19.64282657	
7.542033798					
FUT5	FUT5	1.171371313	1.015591254	25.89281684	0
JAK3	JAK3	23030.33139	16543.98153	13225.87227	
17906.67374					
BRD2	BRD2	168.6774691	155.3854619	344.6423207	
232.8602935					
GBF1	GBF1	8426.845229	6041.75237	4625.885656	
5251.141032					
CFL1	CFL1	103491.8269	105527.0404	43467.78948	
52964.8751					
SCARB2	SCARB2	1106.945891	998.3262027	1978.568349	

1127.534053				
HSPA1L	HSPA1L	18.74194102	18.28064257	14.28569205
17.91233027				
PEX16	PEX16	1687.946063	2389.686221	2958.03111
1844.027264				
RLBP1	RLBP1	1.171371313	9.140321286	9.821413283
10.37029647				
PITX2	PITX2	1.171371313	0	4.464278765
KAT8	KAT8	1466.556884	1097.854146	2306.24641
1947.730228				
HCG4B	HCG4B	36.31251072	23.35859884	49.10706642
89.56165135				
MAGED1	MAGED1	3934.636242	4530.552584	2721.424335
3357.147794				
C16orf59	C16orf59		1348.248382	1617.836868
845.5343981	806.0548621			
FGD2	FGD2	55.05445173	218.3521196	19.64282657
14.14131337				
DBF4B	DBF4B	681.7381044	452.9536993	249.1067551
210.2341921				
ANXA11	ANXA11	16355.85765	20269.17025	13687.47869
14744.67607				
GPRC6A	GPRC6A	0	0	1.885508449
WDFY4	WDFY4	11.71371313	34.53010264	1.785711506
56.56525348				
TRPM3	TRPM3	0	0	5.357134518
GADD45B	GADD45B	1374.018551	3162.551165	5946.419315
2585.032084				
RSL1D1	RSL1D1	7905.584995	9971.074932	10092.84143
10407.06389				
TRUB2	TRUB2	3040.87993	5024.129934	3257.137787
3409.942031				
NBEA	NBEA	38.65525334	3.046773762	25.89281684
43.36669434				
FN1	FN1	31.62702546	49.76397145	21.42853807
37.71016899				
TCTE1	TCTE1	2.342742627	0	0
SPC24	SPC24	414.665445	454.9848818	90.17843106
294.1393181				
VPS36	VPS36	3304.438475	3135.130201	2565.174578
3355.262286				
MRS2P2	MRS2P2	39.82662466	31.48332888	81.24987353
30.16813519				
LINC01278	LINC01278		255.3589463	316.8644713
586.6062297	518.5148236			
FTSJ1	FTSJ1	4508.608186	5723.872308	4784.81398
4504.479686				
TP53AIP1	TP53AIP1		0	0
WAPAL	WAPAL	8474.871453	8957.514861	2.828262674
8773.270815				8753.557803

CDT1	CDT1	3931.122128	3984.16449	1467.854858
1798.775061				
SMIM19	SMIM19	1676.23235	1759.004052	1949.996965
1931.703406				
FAM83F	FAM83F	7.028227881	13.2026863	43.7499319
23.56885562				
EVI5	EVI5	491.9759517	290.4590987	348.2137437
1017.231808				
C1RL	C1RL	200.3044946	126.9489068	64.28561422
131.9855915				
CREB3	CREB3	2974.111765	4302.044552	4758.028308
3359.976057				
CAP1	CAP1	69794.98834	73819.26589	32280.3069
40668.53175				
GON4L	GON4L	3726.132148	2934.043133	3566.958733
3630.546519				
POLR2F	POLR2F	3147.474719	4192.360697	2940.173995
2568.062508				
ACTL6B	ACTL6B	0	0	0.892855753
2.828262674				
PHLDA1	PHLDA1	5342.624561	5836.602937	3558.030176
6737.864444				
SLC35B2	SLC35B2	3587.910333	4964.21005	2283.925016
2570.890771				
BMP8A	BMP8A	97.22381902	38.59246765	98.21413283
104.6457189				
UBXN11	UBXN11	17574.08382	18552.82103	8557.129537
10713.45901				
KANSL1	KANSL1	589.1997707	280.3031861	534.8205961
596.7634242				
SLAMF7	SLAMF7	529.4598337	1086.682642	1949.104109
1119.992019				
TRMT10C	TRMT10C	2082.698195	2324.688381	2900.888342
3000.786697				
WRAP73	WRAP73	2343.913998	2641.552852	2461.603311
2556.749457				
COG1	COG1	2601.615687	4062.365016	6121.419043
3919.972066				
HID1	HID1	10.54234182	8.124730032	489.2849527
364.845885				
NDUFAF5	NDUFAF5	655.9679355	687.555279	613.3919023
483.6329173				
EMR1	EMR1	19.91331233	795.2079519	941.0699637
85.79063445				
A2ML1	A2ML1	2.342742627	0	10.71426904
0				
ZNF789	ZNF789	433.407386	415.3768229	499.1063659
315.8226653				
INSC	INSC	8.199599194	9.140321286	20.53568232
8.484788022				
GH1	GH1	0	3.046773762	8.92855753
0				
TMEM62	TMEM62	1034.32087	1139.493387	707.1417564

1041.743418					
TMEM134	TMEM134	1391.58912	1593.462678	1750.890132	
1542.345912					
GRIN1	GRIN1	0	0	0	5.656525348
ENPP5	ENPP5	2.342742627	0	126.7855169	142.3558879
COA7	COA7	1009.722072	1257.301973	925.8914159	
838.1085058					
C5orf42	C5orf42	509.5465214	312.8021062	181.2497179	
331.8494871					
C2orf48	C2orf48	243.6452332	187.884382	137.499786	
87.6761429					
NOM1	NOM1	989.8087599	1076.526729	1105.355422	
863.5628698					
CTNBL1	CTNBL1	5040.410762	7261.477466	4536.600081	
4870.268325					
N4BP1	N4BP1	5016.983336	4493.991299	4716.064088	
4394.177441					
CPNE1	CPNE1	6793.953618	12085.53592	13924.97832	
8598.861284					
DHX36	DHX36	2089.726423	1667.600839	2078.568193	
2265.438402					
CC2D2A	CC2D2A	10.54234182	5.07795627	7.142846024	
6.599279573					
SRPRB	SRPRB	3531.68451	4935.773495	4382.136036	
4230.138206					
CYP4F11	CYP4F11	0	0	0.892855753	0
RAP2C	RAP2C	1891.764671	1480.732048	1669.640258	
1795.946798					
HMHB1	HMHB1	9.370970508	18.28064257	24.10710533	
16.96957604					
CCNB1IP1	CCNB1IP1		450.9779557	335.1451138	
499.1063659		428.9531722			
DEDD	DEDD	3495.371999	4513.287533	3919.636756	
4253.707062					
GHRH	GHRH	0	0	6.249990271	5.656525348
KAT2A	KAT2A	1222.911651	806.3794557	932.1414062	
882.4179543					
ZBTB80S	ZBTB80S	2236.147837	2125.632495	1633.033172	
1521.605319					
DUS4L	DUS4L	407.6372171	352.4101652	349.9994552	
350.7045716					
RAB21	RAB21	3673.420439	2163.209371	2258.925055	
2460.588527					
LOC101926963	LOC101926963		190.9335241	229.5236234	
183.0354294		220.6044886			
MUC1	MUC1	73.79639275	103.5903079	33.03566286	
27.33987252					
GPR35	GPR35	78.481878	168.5881482	158.928324	
80.1341091					
PRMT1	PRMT1	11663.34417	15984.39075	11070.51848	

11484.63197					
DDX19A	DDX19A	3631.251072	4350.792932	3996.422351	
3683.340756					
LRRC48	LRRC48	35.1411394	44.68601518	133.928363	
57.50800771					
TBC1D9B	TBC1D9B	5383.622557	5754.340045	4830.349624	
6414.499745					
CLIP3	CLIP3	227.2460348	244.7574922	201.7854002	
153.6689386					
PPP4R4	PPP4R4	4.685485254	0	40.17850889	77.30584643
SEZ6L	SEZ6L	0	2.031182508	1.785711506	0
TRAK2	TRAK2	4139.626222	5367.399778	3714.279933	
4123.606979					
PCDHGA5	PCDHGA5	0	14.21827756	9.821413283	12.25580492
ABCC6	ABCC6	12.88508445	11.17150379	14.28569205	
3.771016899					
ZNF506	ZNF506	431.0646434	459.0472468	1930.354138	
1478.238624					
PAK3	PAK3	32.79839678	42.65483267	36.60708587	
85.79063445					
AGPAT1	AGPAT1	196.7903807	62.96665775	35.71423012	
143.2986422					
FARP2	FARP2	679.3953618	783.0208569	524.106327	
692.9243552					
PRDX4	PRDX4	2149.46636	2194.6927	2031.246838	
2434.191408					
ST6GALNAC2	ST6GALNAC2		30.45565415	9.140321286	
112.4998249		111.2449985			
DENND3	DENND3	1429.073002	1679.787934	718.7488812	
759.8599051					
BTBD3	BTBD3	350.2400227	220.3833021	39.28565313	
245.1160984					
PPRC1	PPRC1	5340.281818	5349.119135	5951.77645	
5906.355218					
C9orf9	C9orf9	81.99599194	89.37203036	49.99992217	
80.1341091					
NDRG4	NDRG4	65.59679355	35.54569389	33.92851862	
21.68334717					
OTUB2	OTUB2	1129.201946	840.9095584	186.6068524	
418.5828758					
C15orf40	C15orf40		1839.052962	2814.203365	
2430.35336		2223.957216			
KCTD1	KCTD1	10.54234182	8.124730032	0	7.542033798
TRIM46	TRIM46	277.6150013	244.7574922	151.785478	
197.9783872					
PRKACB	PRKACB	6920.46172	4638.205257	5948.205027	
6039.283564					
CHN1	CHN1	134.707701	138.1204106	471.4278376	
380.8727068					
SORCS1	SORCS1	0	0	1.785711506	0

GYPC	GYPC	5336.767704	5915.819055	3064.280944	
3033.783095					
ENC1	ENC1	117.1371313	32.49892013	14.28569205	
94.27542247					
RPAP3	RPAP3	2513.762839	2829.437234	2752.674287	
2523.75306					
TRMT10A	TRMT10A	661.8247921	593.1052924	373.2137048	
503.430756					
MEPE	MEPE	0	0	3.771016899	
HADH	HADH	2799.577439	3451.994673	2850.888419	
3087.520086					
LOC100505915	LOC100505915		37.48388203	14.21827756	
46.42849916	31.11088942				
SPIN3	SPIN3	275.2722587	168.5881482	305.3566675	
705.1801601					
GTF2IRD2B	GTF2IRD2B		105.4234182	182.8064257	
603.570489	289.425547				
RAP1GDS1	RAP1GDS1		5114.207155	5790.901331	
3073.209502	3853.979271				
C14orf132	C14orf132		22.25605496	26.40537261	
129.4640842	178.1805485				
PCBP2	PCBP2	3310.295332	2764.439394	3238.387816	
3141.257077					
LEPROTL1	LEPROTL1		9722.381902	8107.464981	
14623.19152	13276.80775				
THSD7B	THSD7B	0	1.785711506	0	
FAM110A	FAM110A	1098.746292	1904.233601	1061.60549	
857.9063445					
PHTF2	PHTF2	5496.074203	7204.604356	3225.887836	
3387.315929					
BCOR	BCOR	2928.428284	2052.509924	2958.923966	
2159.849929					
NATD1	NATD1	298.6996849	127.964498	511.6063465	
419.52563					
SEC63	SEC63	3175.587631	2544.056091	3430.351803	
3321.323134					
NUTM2F	NUTM2F	0	0	0.942754225	
GORASP2	GORASP2	7275.387228	9268.285784	10065.1629	
8671.453359					
SLC25A13	SLC25A13		653.6251929	682.4773227	
458.0350013	586.3931278				
ACSM5	ACSM5	0	2.678567259	0	
GCNT1	GCNT1	1088.20395	1412.687434	1219.640959	
784.371515					
OCM	OCM	2.342742627	4.062365016	33.92851862	
27.33987252					
LINCR-0003	LINCR-0003		2.342742627	0	0
SH3D19	SH3D19	4.685485254	3.046773762	10.71426904	0
24.51160984					
ZC3H12B	ZC3H12B	64.42542224	49.76397145	131.2497957	

164.0392351				
ZCCHC11	ZCCHC11	1953.847351	1213.631549	2382.139149
2542.608144				
NT5DC2	NT5DC2	1277.966103	787.0832219	471.4278376
611.8474918				
MEIS2	MEIS2	1.171371313	0	0
GFM2	GFM2	4069.343943	4737.7332	3339.280516
3867.17783				
P2RX2	P2RX2	0	0	1.885508449
RPLP0	RPLP0	31368.1524	39179.4794	32745.48474
30422.67883				
COPS7B	COPS7B	2773.80727	3469.259724	2480.353282
2143.823107				
SLC46A2	SLC46A2	0	0	11.3130507
DGCR8	DGCR8	1509.897623	1703.146533	1134.819662
786.2570234				
FAM122C	FAM122C	550.5445173	369.6752165	402.6779446
621.2750341				
LRG1	LRG1	124.1653592	324.9892013	452.6778668
64.10728728				
RPL39L	RPL39L	709.851016	994.2638377	612.4990466
551.5112215				
ATP8B3	ATP8B3	221.3891782	415.3768229	84.82129654
80.1341091				
SYNRG	SYNRG	7434.693727	6006.206676	6382.132923
6669.043386				
HHAT	HHAT	65.59679355	77.18493531	67.85703723
152.7261844				
CELF5	CELF5	1.171371313	0	4.464278765
SYNCRIP	SYNCRIP	12017.0983	13977.58243	2.828262674
10438.17478				8641.057978
RABL2B	RABL2B	832.8450039	961.7649176	1277.676583
1194.469603				
MANSC4	MANSC4	0	2.031182508	5.357134518
ZFAT	ZFAT	402.9517318	328.0359751	5.656525348
391.2430033				
KDM4C	KDM4C	1978.446148	2271.877635	4133.029281
3459.908005				
KDM5D	KDM5D	3683.962781	0	0
SPOP	SPOP	4159.539534	4935.773495	3655.058129
5807.366024				5979.454978
ERAP1	ERAP1	4981.842196	5502.473414	5590.16987
6729.379656				
STRBP	STRBP	2957.712566	4356.88648	3728.565625
3138.428814				
HCRTR1	HCRTR1	0	3.046773762	1.785711506
RPL36A	RPL36A	4609.346118	4197.438653	0
6232.54818				6476.775632
IL4R	IL4R	9540.819348	6984.221054	9589.270788
11573.25086				

C10orf10	C10orf10	63.25405093	322.9580188	
91.96414256	141.4131337			
PITX3 PITX3	5.856856567	2.031182508	18.74997081	0
HEXB HEXB	5378.937071	6375.881893	4949.992295	
5012.624213				
HSD17B1 HSD17B1	350.2400227	173.6661044	217.8568037	
234.745802				
GTF2H4 GTF2H4	0 7.109138778	8.035701777	0	
SLC26A3 SLC26A3	0 2.031182508	0	2.828262674	
ASGR1 ASGR1	1.171371313	27.42096386	0 0	
SLC26A2 SLC26A2	933.5829368	786.0676306	1268.748025	
1012.518037				
SERPING1	SERPING1	0 0	76.78559476	0
BTK BTK	2.342742627	9.140321286	0	9.427542247
LCAT LCAT	97.22381902	69.06020528	121.4283824	
78.24860065				
ACBD5 ACBD5	2423.567248	2270.862044	1942.854119	
2049.547685				
LAMB2 LAMB2	0 3.046773762	50.89277792	0	
RAB3IP RAB3IP	841.0446031	1245.114877	2039.28254	
1297.229813				
GRIN3B GRIN3B	705.1655307	460.0628381	506.249212	
567.5380433				
GLIPR1L2	GLIPR1L2	12.88508445	12.18709505	
41.96422039	37.71016899			
JAM2 JAM2	25.7701689	19.29623383	44.64278765	
56.56525348				
CCL3L3 CCL3L3	26.94154021	18.28064257	174.1068718	
68.8210584				
ZBTB44 ZBTB44	445.1210991	193.9779295	241.9639091	
541.140925				
DNASE1L3	DNASE1L3	0 0	0	1.885508449
NEIL1 NEIL1	16.39919839	12.18709505	28.5713841	
43.36669434				
MPP5 MPP5	703.9941594	550.4504597	399.9993774	
450.6365194				
PPP1R12C	PPP1R12C	906.6413966	496.6241232	
506.249212	601.4771954			
IDNK IDNK	509.5465214	598.1832486	490.1778084	
509.0872813				
4-Sep 4-Sep	4.685485254	8.124730032	0	32.99639787
SEN3-EIF4A1	SEN3-EIF4A1	23119.35561	29122.07921	
21651.75201	22538.42525			
CMTM3 CMTM3	6854.864926	8251.678939	5042.849293	
5311.477302				
MRPS14 MRPS14	3386.434467	3745.500545	2926.781158	
3147.856356				
CLEC2D CLEC2D	25683.48742	24876.90777	18240.15018	
24079.82841				
CES2 CES2	2773.80727	3141.223749	3848.208296	

3579.637791				
LEMD1	LEMD1	1.171371313	0	0
0.942754225				
OSBPL9	OSBPL9	4923.27363	5994.019581	4729.456924
5262.454082				
EEF1E1-BLOC1S5	EEF1E1-BLOC1S5	5054.467218		5858.945945
4880.349546		5361.443276		
BLOC1S5-TXNDC5	BLOC1S5-TXNDC5	8262.853245		10091.93029
6083.919101		6582.309997		
SUMF2	SUMF2	3872.553562	7134.52856	6693.73958
4331.012908				
RBM18	RBM18	2994.025077	3076.225909	2793.745651
2865.030089				
PIGQ	PIGQ	1679.746464	1671.663204	1576.78326
1267.061678				
ZNF628	ZNF628	24.59879758	3.046773762	8.92855753
4.713771124				
GTF2I	GTF2I	4780.36633	5815.275521	4013.38661
3805.898805				
KCNJ12	KCNJ12	8.199599194	14.21827756	0
0				0
CERK	CERK	9647.414138	8570.574593	5319.634577
8265.126288				
DACT2	DACT2	0	4.062365016	0
0				0
GCK	GCK	2.342742627	15.23386881	173.2140161
18.85508449				
HK1	HK1	22381.39169	29447.06841	17804.43657
18215.89713				
SNX31	SNX31	0	0	1.785711506
0				0
ZNF366	ZNF366	0	0	12.25580492
0				
MYLK	MYLK	63.25405093	48.74838019	8.035701777
46.19495701				
MTRR	MTRR	5273.513653	5151.078841	4187.493482
4107.580157				
UPF3B	UPF3B	1119.830976	1044.027809	1487.497685
1348.138541				
TBPL2	TBPL2	0	0	2.678567259
0				0
CACUL1	CACUL1	2363.827311	1920.483061	2073.211059
2209.815903				
RUSC1	RUSC1	1145.601145	1271.52025	1234.819506
1174.671764				
NDE1	NDE1	3854.982993	4581.332147	3493.744562
3344.891989				
GSTT2	GSTT2	1.171371313	0	0
0				0
SCGB1A1	SCGB1A1	11.71371313	27.42096386	4.464278765
16.02682182				
PSMD11	PSMD11	13018.62078	19429.27628	11129.44696
11077.36214				
NAT9	NAT9	1005.036587	1120.197153	2400.88912
1896.8215				
ENSA	ENSA	5655.380701	3818.623115	4002.672341
3619.233469				

TCF12	TCF12	4312.989176	4237.046712	3543.744484	
		3882.261897			
RNF128	RNF128	0	0	6.599279573	
TMEM177	TMEM177	819.9599194	1188.241767	766.0702361	
		983.2926564			
XRCC3	XRCC3	2044.042942	2347.031388	1150.891066	
		1366.993626			
SLC45A4	SLC45A4	470.891268	285.3811424	446.4278765	
		431.7814349			
SAMD12	SAMD12	17.5705697	32.49892013	108.9284019	
		82.01961755			
TOX2	TOX2	1055.405553	261.0069523	141.9640647	
		287.5400385			
GPSM1	GPSM1	169.8488405	193.9779295	83.03558503	
		163.0964809			
CPSF7	CPSF7	3184.958601	1426.905712	1633.033172	
		1589.483623			
CHID1	CHID1	2612.158029	3986.195672	3207.137865	
		2772.640175			
VGLL4	VGLL4	2101.440136	1740.723409	1274.998015	
		1581.941589			
TUBGCP5	TUBGCP5	1501.698024	1780.331468	1446.42632	
		1470.696591			
RPS15A	RPS15A	10867.98305	9891.858814	10484.80511	
		10572.98863			
TMEM254	TMEM254	1005.036587	1141.52457	1278.569438	
		1170.900747			
LINC00957	LINC00957		52.71170911	60.93547524	
		99.99984434	65.99279573		
SGK3	SGK3	265.9012882	314.8332888	2438.389062	
		2041.062897			
GRK4	GRK4	32.79839678	29.45214637	91.96414256	
		37.71016899			
CAPN3	CAPN3	39.82662466	61.9510665	190.1782754	
		121.615295			
PFDN2	PFDN2	2391.940222	2869.045293	2712.495778	
		2496.413187			
HBQ1	HBQ1	0	2.031182508	3.571423012	1.885508449
HBE1	HBE1	0	1.015591254	0	0
ZNF26	ZNF26	15.22782708	19.29623383	33.92851862	
		25.45436407			
NCAPH2	NCAPH2	8634.177952	11683.36179	8313.379916	
		7567.488162			
ARHGEF25	ARHGEF25		0	0	0.942754225
ENPP7	ENPP7	0	2.031182508	5.357134518	1.885508449
BHLHA15	BHLHA15	1.171371313	2.031182508	0	0
TRAPPC6B	TRAPPC6B		2372.02691	1885.952959	
		2050.889665	2050.490439		
VHL	VHL	4105.656454	2463.824382	1845.532842	
		2417.221832			

C21orf33	C21orf33	3802.271283	4954.054137	
2883.031227	2707.590133			
PSMD13 PSMD13	13490.68342	20816.57393	11537.48204	
10088.41296				
LCE1E LCE1E	0 1.015591254	2.678567259	0	
LCE1B LCE1B	0 0	16.96425931	0	
SLC25A44	SLC25A44	3806.956769	4901.243392	
2757.138565	3530.614572			
IP013 IP013	2268.946234	2200.786248	2074.103914	
1521.605319				
IREB2 IREB2	3914.72293	2153.053459	2428.567648	
3143.142585				
PRKAR2A PRKAR2A	654.7965642	890.6735298	716.0703139	
921.0708775				
ORC1 ORC1	4131.426623	4508.209577	1401.783532	
1883.622941				
USP40 USP40	524.7743484	560.6063722	609.8204793	
500.6024933				
NT5C1A NT5C1A	1.171371313	18.28064257	5.357134518	0
KPNA6 KPNA6	6578.421296	5028.192299	4430.350247	
5130.468491				
SATB1 SATB1	6710.786255	7472.720447	15035.69088	
20223.02087				
POP5 POP5	2181.093386	2285.080322	1672.318825	
1959.043279				
TWF2 TWF2	7117.252101	10083.80556	5499.991439	
6237.261951				
XIRP1 XIRP1	72.62502143	184.8376082	416.9636367	
76.3630922				
SASS6 SASS6	1056.576925	732.2412942	444.642165	
673.1265164				
DNAJC21 DNAJC21	3159.188432	3415.433387	3475.887447	
3642.802324				
STEAP3 STEAP3	4.685485254	18.28064257	0 11.3130507	
EI24 EI24	3473.115944	4159.861777	4056.243686	
3865.292321				
EYA3 EYA3	2217.405896	1313.159491	1098.212576	
1466.925574				
TMEM9B TMEM9B	3696.847865	4522.427854	4767.849721	
4326.299137				
SIK3 SIK3	2811.291152	2176.412057	3635.708626	
3170.482458				
FLVCR1 FLVCR1	659.4820495	589.0429273	320.5352153	
484.5756715				
TPD52L2 TPD52L2	6640.503976	9182.976119	7487.488345	
6328.709111				
GSG1 GSG1	2.342742627	3.046773762	0 0.942754225	
C4orf19 C4orf19	38.65525334	29.45214637	28.5713841	
16.02682182				
PRSS1 PRSS1	0 8.124730032	0	5.656525348	

ARHGAP6	ARHGAP6	0	0	4.464278765	0
BAZ2A	BAZ2A	5868.57028		3557.616163	5749.99105
5416.123021					
IST1	IST1	8930.534894		10571.28936	12409.80211
10753.99744					
COPA	COPA	24077.53735		27912.51003	21195.50272
20765.10455					
HACL1	HACL1	2629.728599		3443.869942	3464.280322
3173.31072					
SLC27A5	SLC27A5	249.5020898		223.4300759	292.856687
246.0588527					
CIB2	CIB2	85.51010588		75.1537528	124.9998054
60.33627038					
CHAT	CHAT	0	1.015591254	0	0
COG5	COG5	3268.125965		2893.419483	7102.667515
6458.809194					
ART5	ART5	0	0	1.785711506	4.713771124
ARHGAP32	ARHGAP32			51.54033779	10.15591254
183.9282851	255.4863949				
LIN7C	LIN7C	4173.59599		2855.842606	3274.994902
4135.862784					
IFT140	IFT140	345.5545375		365.6128515	351.7851667
425.1821553					
NLGN4Y	NLGN4Y	53.88308042		0	0
BDNF	BDNF	18.74194102		3.046773762	34.82137437
7.542033798					
LOC100505478	LOC100505478			40.99799597	38.59246765
18.74997081	48.08046546				
CCDC169	CCDC169	12.88508445		2.031182508	0
ACSL6	ACSL6	417.0081876		423.5015529	4.713771124
358.2466054					778.5702166
GEMIN2	GEMIN2	1153.800744		1036.91867	612.4990466
822.081684					
TLK1	TLK1	4734.682849		1840.251352	2980.352504
4305.558544					
COP2	COP2	2286.516804		2039.307238	1916.068446
2159.849929					
KIAA0319	KIAA0319			19.91331233	7.109138778
43.7499319	1.885508449				
SNORD7	SNORD7	1.171371313		0	3.571423012
IGBP1P1	IGBP1P1	5.856856567		3.046773762	0.942754225
10.37029647					29.46423985
NNAT	NNAT	11.71371313		20.31182508	23.21424958
15.0840676					
PPP2R2B	PPP2R2B	62.08267961		13.2026863	91.96414256
108.4167358					
UROC1	UROC1	0	1.015591254	0	0
MLF2	MLF2	8102.375375		10628.16247	9814.270437
9063.639116					
IFI35	IFI35	6921.633091		8647.759528	6481.239911

6033.627038					
VCL	VCL	3630.0797	2759.361437	2626.781625	
2646.311109					
BMPR1B	BMPR1B	21.08468364	1.015591254	0	5.656525348
BMP4	BMP4	1.171371313	1.015591254	74.99988325	
6.599279573					
TNFRSF17	TNFRSF17		3.51411394	0	2.678567259
0					
BCL2L1	BCL2L1	3498.886113	3407.308657	2767.852834	
2144.765861					
ST3GAL3	ST3GAL3	391.2380187	360.5348952	360.7137242	
473.2626208					
EBLN3	EBLN3	1429.073002	1110.041241	2441.960485	
2103.284675					
RPL18	RPL18	12290.02782	14264.99475	15847.29676	
12861.99589					
IFF01	IFF01	1895.278785	1795.565337	1185.71244	
1331.168965					
FLJ27354	FLJ27354		174.5343257	108.6682642	
109.8212576	130.100083				
PWAR5	PWAR5	23.42742627	17.26505132	31.24995136	
34.88190631					
PBX3	PBX3	301.0424276	236.6327622	426.7850499	
600.5344411					
HSD17B7P2	HSD17B7P2		224.9032922	72.10697904	
292.856687	388.4147406				
PPIE	PPIE	3894.809617	4374.151531	3499.994552	
3893.574948					
CARS	CARS	6323.06235	8651.821893	8412.486905	
7839.001379					
CMPK2	CMPK2	2243.176065	3098.568916	8209.808649	
4822.187859					
WDR92	WDR92	944.1252786	1155.742847	816.0701583	
744.7758375					
GPX2	GPX2	4.685485254	11.17150379	22.32139383	
21.68334717					
FAM166B	FAM166B	2.342742627	0	0	2.828262674
NUDT16P1	NUDT16P1		8.199599194	29.45214637	
27.67852834	19.79783872				
TCAM1P	TCAM1P	0	11.17150379	0	6.599279573
MMP23A	MMP23A	2.342742627	0	0.892855753	3.771016899
LOC284379	LOC284379		1.171371313	0	0
0.942754225					
FABP5P3	FABP5P3	2.342742627	0	2.678567259	0
LOC441601	LOC441601		0	8.124730032	16.96425931
0					
SCART1	SCART1	39.82662466	8.124730032	12.49998054	
26.39711829					
SGCA	SGCA	0	13.2026863	0	4.713771124
ADA	ADA	6321.890979	5414.116975	2829.459881	

4465.826762					
KCNAB2	KCNAB2	8484.242423	3836.903758	2312.4964	
3235.532499					
JMJD7-PLA2G4B	JMJD7-PLA2G4B		729.7643283	497.6397145	
1048.212654		916.3571064			
CYP21A2	CYP21A2	1.171371313	0	0	0
MAG	MAG	0	0	3.771016899	
ATP5G3	ATP5G3	21556.74628	24458.48417	11124.08983	
14123.40104					
YJEFN3	YJEFN3	63.25405093	57.88870148	52.67848943	
45.25220279					
PFDN1	PFDN1	5544.100427	8003.874673	4273.207634	
4426.231085					
NUBP1	NUBP1	2094.411908	2826.39046	1903.568465	
1621.537267					
APBA2	APBA2	71.45365012	63.98224901	3110.709444	
1652.648156					
KCTD9	KCTD9	933.5829368	1046.058992	666.9632475	
585.4503735					
DDX60	DDX60	4026.003204	3249.892013	13116.94387	
9186.197166					
RXRB	RXRB	19.91331233	16.24946006	15.1785478	
15.0840676					
LUZP1	LUZP1	1410.331061	1392.375609	1979.461204	
1973.184592					
RPL34	RPL34	7520.203832	7240.15005	13074.08679	
10435.34651					
FBX021	FBX021	2988.168221	3158.4888	4196.422039	
4111.351174					
LOC100288798	LOC100288798		124.1653592	86.32525659	
46.42849916		45.25220279			
FAM111A	FAM111A	7330.44168	5727.934673	4702.671251	
6584.195505					
FADS3	FADS3	92.53833376	183.822017	178.5711506	
201.7494041					
MBD6	MBD6	208.5040938	66.01343151	97.32127708	
75.42033798					
EGFEM1P	EGFEM1P	5.856856567	0	0	0
LOC392196	LOC392196		0	0	6.599279573
CCDC152	CCDC152	337.3549383	112.7306292	239.2853418	
472.3198666					
AKR1B15	AKR1B15	0	0	1.885508449	
CLGN	CLGN	17.5705697	13.2026863	8.035701777	
1.885508449					
KIAA0391	KIAA0391		3920.579786	4013.616636	
2531.24606		3467.450039			
WSCD2	WSCD2	3.51411394	3.046773762	0	1.885508449
MAPRE2	MAPRE2	8470.185968	7719.509122	9124.09294	
9094.750006					
AGER	AGER	0	1.015591254	6.249990271	0

LGALS12	LGALS12	0	0	2.678567259	0
CFAP61	CFAP61	0	3.046773762	0	0.942754225
GNG13	GNG13	94.88107639		69.06020528	92.85699832
98.9891936					
ZNF581	ZNF581	730.9356996		1003.404159	879.4629167
823.9671924					
ZHX1	ZHX1	2315.801087		2274.924409	2163.38949
2138.166582					
MTCP1	MTCP1	364.2964785		333.1139313	474.1064049
457.235799					
FBR5	FBR5	832.8450039		442.7977868	542.8562978
565.6525348					
ZNF284	ZNF284	21.08468364		30.46773762	156.2497568
74.47758375					
SMAP1	SMAP1	2008.901803		2287.111504	2174.996614
1798.775061					
NAE1	NAE1	6106.358657		6372.835119	4608.028541
6250.46051					
USP9X	USP9X	8526.411791		4039.006417	5878.562278
5712.147848					
ESRP1	ESRP1	0	0	4.464278765	7.542033798
10-Mar	10-Mar	0	2.031182508	87.4998638	3.771016899
TSC2	TSC2	5115.378526		4717.421375	4183.922059
4077.412022					
C16orf46	C16orf46			87.85284851	98.51235164
107.1426904					
TMEM170B	TMEM170B			126.5081019	56.87311023
157.1426125					
MOB4	MOB4	3797.585798		3382.934467	3191.066461
3723.879188					
MED7	MED7	1206.512453		1127.306292	1324.997938
1388.676973					
TMEM55B	TMEM55B	2000.702203		1998.683588	3524.101657
2960.248266					
CAPN8	CAPN8	2.342742627		4.062365016	0
ZNF707	ZNF707	263.5585455		377.7999465	185.7139966
206.4631752					
MUTYH	MUTYH	1806.254565		2046.416377	2129.460971
1892.107729					
C11orf88	C11orf88			0	0
PLXNB1	PLXNB1	14.05645576		27.42096386	57.14276819
27.33987252					
CLNS1A	CLNS1A	5334.424961		5507.551371	4938.38517
4982.456078					
CREB3L4	CREB3L4	465.0344114		398.1117716	385.7136853
456.2930448					
C5	C5	93.70970508		34.53010264	24.10710533
210.2341921					
GGCT	GGCT	2680.097565		2747.174342	1705.354488
1940.188194					

TREM1	TREM1	0	0	0	3.771016899	
MAP4K4	MAP4K4	5603.840364		6356.585659	8799.986302	
5022.051755						
TRIM2	TRIM2	16.39919839		60.93547524	199.1068329	
139.5276253						
ZNF529	ZNF529	466.2057828		255.928996	733.0345732	
980.4643937						
APH1B	APH1B	565.7723444		442.7977868	1151.783921	
1375.478414						
TNFSF13B	TNFSF13B			435.7501286	561.6219635	
5469.634343	4041.587361					
NCR3	NCR3	31.62702546		105.6214904	52.67848943	
24.51160984						
COR07	COR07	12272.45725		14284.29099	5874.097999	
6398.472923						
FPR1	FPR1	0	0	20.53568232	0	
ALOXE3	ALOXE3	0	0	0	13.19855915	
DCAF5	DCAF5	4364.529514		3577.927988	5526.777111	
4978.685061						
PAFAH1B2	PAFAH1B2			3220.099741	1713.302446	
1978.568349	2512.440009					
CGA	CGA	14.05645576		4.062365016	20.53568232	0
ITGA10	ITGA10	60.9113083		21.32741634	24.99996108	
90.50440557						
CD3E	CD3E	20018.73575		16875.06428	16557.11708	
17595.56485						
FGF9	FGF9	8.199599194		6.093547524	156.2497568	
176.29504						
CTSB	CTSB	19431.87872		26772.00105	18296.40009	
21873.78352						
GPRASP1	GPRASP1	30.45565415		2.031182508	2042.853963	
1445.242226						
GYG1	GYG1	3970.948753		4046.115556	2372.317736	
2660.452422						
RABIF	RABIF	2032.329229		2599.91361	1502.676232	
1572.514047						
PLIN2	PLIN2	7343.326764		8357.30043	6782.1323	
6790.658681						
PAM	PAM	2838.232693		2928.965177	2230.353671	
3114.859958						
UBASH3B	UBASH3B	3824.527338		4760.076208	1863.389957	
1262.347907						
TRIM5	TRIM5	1218.226166		703.8047391	1416.96208	
2263.552894						
ANTXR2	ANTXR2	9106.240591		8023.170907	2375.889159	
4066.098971						
SPAG16	SPAG16	481.4336098		501.7020795	452.6778668	
536.4271539						
IGFLR1	IGFLR1	3664.049469		4132.440813	2943.745418	
4171.687444						

CTNND1	CTNND1	221.3891782	332.0983401	471.4278376
187.6080907				
CPSF3L	CPSF3L	5800.630744	7693.103749	5067.849254
5391.611411				
APITD1-CORT	APITD1-CORT		1081.175722	1126.290701
698.2131989	639.1873644			
ARMCX6	ARMCX6	555.2300026	720.0541991	639.2847192
793.7990572				
PCNA-AS1	PCNA-AS1		7899.728138	10945.02694
6941.060624	5775.312381			
ATXN3	ATXN3	1308.421757	1119.181562	1298.212265
1598.911165				
ARCN1	ARCN1	16105.18419	17819.56414	15835.68964
16030.59284				
PFKM	PFKM	1200.655596	1525.418064	1051.784077
1222.752229				
CDH23	CDH23	16.39919839	19.29623383	46.42849916
26.39711829				
TAX1BP1	TAX1BP1	7701.766386	7053.281259	12636.58747
11598.70523				
GDF5	GDF5	1.171371313	3.046773762	0
ITGA2B	ITGA2B	3.51411394	5.07795627	3.771016899
15.0840676				2.678567259
ZFYVE28	ZFYVE28	581.0001715	358.5037127	536.6063076
586.3931278				
DENND1B	DENND1B	2421.224505	2807.094226	1164.283902
1869.481628				
ACADM	ACADM	5227.830172	4849.448238	4178.564924
5282.251921				
SIPA1L3	SIPA1L3	313.927512	187.884382	320.5352153
214.005209				
OTOA	OTOA	2.342742627	0	6.249990271
NEDD8-MDP1	NEDD8-MDP1		5035.725277	0
5190.170492	4955.116205			7003.517288
ZNF573	ZNF573	265.9012882	372.7219902	963.3913575
852.2498191				
CELF3	CELF3	0	0	0.942754225
INTS7	INTS7	5259.457197	6515.017895	2529.460348
3219.505677				
PCDHA9	PCDHA9	0	0	1.885508449
LM04	LM04	2167.03693	930.2815887	646.4275652
717.435965				
LMX1B	LMX1B	1.171371313	0	0
PRMT5	PRMT5	7216.818662	10148.8034	7675.880909
7453.414901				
ZNF324	ZNF324	730.9356996	879.502026	1657.140278
1498.036463				
TBC1D22A	TBC1D22A		2152.980474	2426.247506
1839.282851	2133.452811			
FAS	FAS	8274.566958	13122.45459	11401.76797

8140.68273					
FXYD3	FXYD3	0	4.062365016	14.28569205	0
PLAGL1	PLAGL1	415.8368163	499.670897	661.606113	
624.1032968					
MY01C	MY01C	2341.571256	2855.842606	1405.354955	
1565.914767					
TOMM5	TOMM5	5850.999711	6640.95121	5524.098544	
5684.807975					
BTN3A1	BTN3A1	2198.663955	2126.648086	9043.735922	
7101.767575					
RPAP1	RPAP1	2855.803262	3185.909764	2808.924199	
2638.769075					
ADAM19	ADAM19	10555.22691	3624.645186	667.8561033	
2902.740258					
EHMT2	EHMT2	3.51411394	1.015591254	1.785711506	
0.942754225					
CCDC153	CCDC153	28.11291152	14.21827756	16.96425931	
26.39711829					
THRB	THRB	0	5.07795627	8.035701777	0
ECM1	ECM1	15.22782708	18.28064257	32.14280711	
6.599279573					
CYP3A4	CYP3A4	1.171371313	0	6.249990271	0
AN010	AN010	545.8590321	1078.557912	505.3563562	
484.5756715					
PTGIR	PTGIR	1010.893444	3814.56075	1074.998327	
616.561263					
CTSV	CTSV	137.0504437	269.1316823	24.10710533	
62.22177883					
NDUFB5	NDUFB5	4221.622214	4019.710184	3175.887914	
3244.960041					
PGM3	PGM3	1184.256398	1254.255199	1412.497801	
1399.047269					
PRRG2	PRRG2	21.08468364	13.2026863	3.571423012	
6.599279573					
RPL3	RPL3	30880.86194	49317.1113	53256.1671	
42439.96693					
CYB5R2	CYB5R2	15.22782708	87.34084785	90.17843106	
21.68334717					
CHPT1	CHPT1	2229.11961	1207.538001	713.3917467	
1934.531669					
DET1	DET1	148.7641568	231.5548059	289.285264	
160.2682182					
FAM63A	FAM63A	651.2824503	1017.622437	644.6418537	
715.5504566					
LMBRD1	LMBRD1	2639.099569	3055.914083	2616.067356	
3263.815126					
THBS4	THBS4	43.3407386	34.53010264	52.67848943	
85.79063445					
DNAJC11	DNAJC11	4015.460863	4933.742312	3166.0665	
3865.292321					

NAA38	NAA38	2318.143829	2463.824382	1215.17668	
1377.363922					
TMEM51	TMEM51	0	7.109138778	1.785711506	0
PHIP	PHIP	4711.255423	4416.806364	5008.027919	
5284.13743					
PEX26	PEX26	476.7481246	525.0606783	507.1420677	
550.5684672					
LAMB3	LAMB3	81.99599194	103.5903079	0	14.14131337
RBF0X2	RBF0X2	35.1411394	41.63924142	92.85699832	
82.01961755					
LRRIQ1	LRRIQ1	1.171371313	0	0	2.828262674
MYL12B	MYL12B	21778.13546	28545.22338	25591.03159	
24950.93331					
SHBG	SHBG	1.171371313	5.07795627	1.785711506	
1.885508449					
TMEM25	TMEM25	391.2380187	656.0719501	795.5344759	
776.8294812					
EIF2B4	EIF2B4	3585.567591	5417.163749	4483.028736	
3944.483676					
SETD5	SETD5	4423.09808	2809.125409	3584.815848	
4150.946851					
PLEKHG6	PLEKHG6	11.71371313	3.046773762	8.92855753	
11.3130507					
PHB2	PHB2	11065.9448	15030.75056	9267.842716	
8990.104287					
ZNF234	ZNF234	610.2844543	421.4703704	711.6060352	
1017.231808					
FNBP1L	FNBP1L	94.88107639	93.43439537	126.7855169	
89.56165135					
TMEM110-MUSTN1	TMEM110-MUSTN1	1111.605413	1740.657772	1992.59004	
1416.016846					
NCOA7	NCOA7	2247.861551	1776.269103	3924.99389	
4210.340368					
RGMA	RGMA	0	0	1.785711506	0
RGS6	RGS6	92.53833376	103.5903079	15.1785478	
59.39351616					
ZNF444	ZNF444	1371.675808	1440.108398	1039.284097	
971.0368515					
MBNL1	MBNL1	20912.49206	17383.8755	18706.22088	
22091.55975					
MSI2	MSI2	127.6794732	103.5903079	45.5356434	
121.615295					
LINC01398	LINC01398		1.171371313	0	0
PLAC1	PLAC1	1.171371313	0	0	11.3130507
FAM3A	FAM3A	1064.776524	1113.088014	1538.390462	
1253.863119					
FGF12	FGF12	0	0	1.785711506	0
C15orf41	C15orf41			602.0848551	596.1520661
481.2492509					
HIPK4	HIPK4	1.171371313	0	2.678567259	0

TMEM185A	TMEM185A	797.7038645	901.8450336
574.999105	675.9547791		
ZNF18 ZNF18	858.6151728	853.0966534	1072.319759
860.7346072			
DTD1 DTD1	1916.363469	2492.260937	1701.783065
1936.417178			
CCDC121 CCDC121	67.93953618	31.48332888	325.8923499
203.6349125			
FAM155B FAM155B	11.71371313	5.07795627	0 0
ZNF542P ZNF542P	524.7743484	574.8246498	793.7487644
522.2858405			
GTF2H2B GTF2H2B	49.19759517	233.5859884	176.7854391
74.47758375			
CCT6P3 CCT6P3	90.19559114	83.27848283	299.1066773
155.5544471			
LINC01085	LINC01085	0 0	0 3.771016899
TP73-AS1	TP73-AS1	1021.435785	727.1633379
1224.105237	1500.864726		
LOC100996291	LOC100996291	10.54234182	0 0
1.885508449			
ATP5J2 ATP5J2	7176.992038	7132.497377	3697.315673
4001.991684			
OSBPL8 OSBPL8	6539.766043	6408.380813	5304.456029
5694.235517			
SNHG18 SNHG18	0 0	1.785711506	9.427542247
UBE2V1 UBE2V1	12005.38459	13253.46587	7360.702828
10601.27126			
SLC25A12	SLC25A12	3084.220668	2904.590987
1342.855053	2134.395565		
CARD14 CARD14	83.16736326	32.49892013	66.07132572
151.7834302			
PIGT PIGT	5597.983507	8209.024106	5819.633798
5829.049371			
GMDS-AS1	GMDS-AS1	94.88107639	143.1983668
156.2497568	134.8138541		
LARS2-AS1	LARS2-AS1	12.88508445	0 8.035701777
	10.37029647		
CHMP1A CHMP1A	7637.340964	8074.966061	4838.385326
4592.155829			
PPP1R13L	PPP1R13L	40.99799597	14.21827756
25.89281684	41.48118589		
AP2B1 AP2B1	15013.46612	12624.81488	6925.882076
10244.91016			
COX7A1 COX7A1	3.51411394	0 0	2.828262674
CABIN1 CABIN1	1634.062982	1204.491227	910.7128681
952.181767			
PPP2R2A PPP2R2A	2020.615516	1193.319724	1128.569672
1380.192185			
DGKZ DGKZ	5487.874604	3384.96565	2849.995564
2893.312716			

ZSCAN31	ZSCAN31	53.88308042	62.96665775	209.821102
85.79063445				
SLC7A7	SLC7A7	16.39919839	19.29623383	54.46420093
23.56885562				
DMKN	DMKN	0	0	39.28565313
1.885508449				
TPRA1	TPRA1	1921.048954	2886.310344	3494.637417
2139.109336				
PLEKHB1	PLEKHB1	208.5040938	276.2408211	2241.960796
1411.303074				
CLDN20	CLDN20	0	0	0.892855753
0.942754225				
TNNT3	TNNT3	4.685485254	0	11.60712479
12.25580492				
TCTN3	TCTN3	4953.729285	6764.853343	4774.992567
5006.967687				
CDYL	CDYL	1133.887431	869.3461135	893.7486088
802.2838452				
ABCC3	ABCC3	3.51411394	0	0
2.828262674				
ZMYND8	ZMYND8	1799.226337	1921.498653	1652.675999
1859.111331				
PHF23	PHF23	2461.05113	2448.590514	2270.53218
2167.391963				
SEC13	SEC13	9743.466585	13461.66207	7976.773298
7659.878076				
TAF1	TAF1	1103.431777	991.217064	1066.962625
1630.964809				
GLIPR2	GLIPR2	1965.561064	2471.949112	2096.425308
1623.422775				
ZNF512	ZNF512	2471.593471	2514.603945	2819.638468
3132.772289				
PCSK6	PCSK6	33.96976809	433.6574655	25.89281684
12.25580492				
MMAB	MMAB	633.7118806	821.6133245	1100.891143
955.0100296				
MFAP3	MFAP3	1520.439965	1126.290701	1195.533853
1570.628538				
CLDN18	CLDN18	0	0	0.892855753
0				
COASY	COASY	5966.965471	7682.947837	5489.27717
4785.420445				
C2orf88	C2orf88	5.856856567	7.109138778	82.14272928
2.828262674				
TUBB	TUBB	3593.76719	2909.668943	1516.961924
3334.521693				
SEMA5B	SEMA5B	0	4.062365016	0
13.19855915				
INTS9	INTS9	2637.928198	3228.564597	2235.710806
2610.486448				
MAVS	MAVS	6064.18929	5055.613263	3995.529495
4196.199054				
STON2	STON2	66.76816487	14.21827756	3.571423012
128.2145746				
SLC11A2	SLC11A2	2364.998682	2204.848613	2914.281178
2868.801106				

CELF4	CELF4	1.171371313	0	1.785711506	1.885508449
HIPK1	HIPK1	2434.109589	878.4864348	1580.354683	
		1749.751841			
ZNF594	ZNF594	282.3004865	230.5392147	483.0349624	
		517.5720694			
VPS13A	VPS13A	1470.070998	590.0585186	695.5346316	
		902.2157931			
HERPUD1	HERPUD1	10767.24511	12747.70142	13542.83606	
		12245.43462			
ATF3	ATF3	178.0484396	92.41880412	1041.069808	
		259.2574118			
GPX4	GPX4	9199.950296	11836.71607	9859.806081	
		7655.164305			
NHSL2	NHSL2	146.4214142	34.53010264	48.21421066	
		118.7870323			
MANEAL	MANEAL	192.1048954	189.9155645	168.7497373	
		148.9551675			
TBCA	TBCA	2797.234697	2945.214637	2158.032355	
		2447.389967			
CACNB4	CACNB4	3.51411394	1.015591254	0	0.942754225
ELP6	ELP6	2086.212309	2890.372709	1467.854858	
		1511.235022			
DCAKD	DCAKD	1368.161694	1236.990147	873.2129265	
		1480.124133			
EN01	EN01	167428.7873	287540.2894	120579.2766	
		138285.0752			
ZBTB17	ZBTB17	2711.724591	2874.123249	3549.994474	
		3046.0389			
ARHGAP27	ARHGAP27		104.2520469	199.0558858	
		13.3928363	33.93915209		
RNF130	RNF130	166.3347265	275.2252298	1237.498074	
		919.1853691			
GNL3L	GNL3L	2640.270941	2051.494333	2151.782365	
		2071.231032			
ADAMTS12	ADAMTS12		0	0	8.035701777
		0.942754225			
SLC35A2	SLC35A2	1651.633552	1860.563177	1658.033133	
		1665.846715			
KIF13A	KIF13A	0	2.031182508	7.142846024	9.427542247
SLFN11	SLFN11	4064.658458	3879.55859	2173.210903	
		2638.769075			
SMARCA2	SMARCA2	9233.920064	7426.00325	7816.952118	
		9523.703178			
NYNRIN	NYNRIN	1.171371313	0	0	0
ZC3H12A	ZC3H12A	2550.075349	2922.871629	3510.708821	
		3593.779105			
ROPN1B	ROPN1B	0	2.031182508	0	5.656525348
KRBA2	KRBA2	120.6512453	92.41880412	189.2854196	
		215.8907175			
C4B	C4B	0	0	0	1.885508449

CSAG1	CSAG1	1.171371313	16.24946006	0	0	
FAM72B	FAM72B	1054.234182	1206.52241	327.6780614		
745.7185917						
SOGA3	SOGA3	465.0344114	596.1520661	517.8563368		
408.2125793						
BIRC5	BIRC5	12813.6308	17563.63515	4943.742305		
7028.232745						
PEG10	PEG10	0	5.07795627	0.892855753	6.599279573	
H2AFY	H2AFY	16014.9886	18962.1043	7449.988403		
9010.84488						
C2CD4B	C2CD4B	29.28428284	10.15591254	6.249990271		
38.65292321						
SMPD1	SMPD1	720.3933578	344.2854351	452.6778668		
328.0784702						
TFG	TFG	4639.801773	5021.08316	5232.134713		
5153.094592						
TYMS0S	TYMS0S	2798.406068	3296.609211	1217.855247		
1596.082902						
C9orf106	C9orf106		1.171371313	6.093547524		
8.92855753	4.713771124					
ICAM4	ICAM4	32.79839678	69.06020528	9.821413283		0
HARS	HARS	8452.615398	11970.77411	6998.203392		
7009.377661						
SPDYE3	SPDYE3	323.2984825	376.7843553	324.1066384		
401.6132997						
MRPS18C	MRPS18C	4533.206983	4014.632227	3566.958733		
3725.764696						
WNK1	WNK1	4885.789748	1974.309398	2214.282268		
2856.545301						
GLYCTK	GLYCTK	780.1332948	750.5219367	424.1064827		
490.2321969						
DNAJC19	DNAJC19	2324.000686	2376.483534	2730.352893		
2728.330726						
GDF11	GDF11	231.9315201	194.9935208	363.3922915		
373.330673						
IRF3	IRF3	3074.849698	3406.293066	4218.743433		
3598.492876						
IRAK1	IRAK1	9619.301226	10283.87704	7174.095976		
8669.56785						
GPR18	GPR18	721.5647291	338.1918876	1349.105043		
1415.074091						
NBPF9	NBPF9	734.4498135	534.2009996	845.5343981		
829.6237177						
ZKSCAN8	ZKSCAN8	618.4840535	222.4144846	664.2846803		
935.2121909						
IDS	IDS	11343.5598	13407.83574	17960.68633		
13626.56956						
TBX5	TBX5	0	2.031182508	0.892855753	0	
ABCD3	ABCD3	3647.65027	2864.982928	2987.49535		
3127.115763						

PEX19	PEX19	5421.106439	6217.449657	4333.028969	
4884.409638					
RSPH4A	RSPH4A	2.342742627	5.07795627	1.785711506	0
JUND	JUND	5425.791924	7791.616101	5687.491147	
5894.099413					
CCDC65	CCDC65	107.7661608	71.09138778	121.4283824	
110.3022443					
1-Mar	1-Mar	10.54234182	5.07795627	22.32139383	
3.771016899					
SHMT2	SHMT2	10207.32963	15549.71769	8360.701271	
9617.978601					
ZCCHC6	ZCCHC6	5398.850384	4188.298332	4949.992295	
6287.227925					
CNTLN	CNTLN	217.8750643	31.48332888	2.678567259	
46.19495701					
POP1	POP1	1158.486229	1523.386881	727.6774387	
878.6469374					
CFAP97	CFAP97	2110.811107	1674.709978	2450.889042	
3931.285117					
HMCES	HMCES	5720.977495	9091.572906	6849.989337	
6687.89847					
RAI14	RAI14	7.028227881	54.84192772	83.92844078	
85.79063445					
NCKIPSD	NCKIPSD	1959.704207	2354.140527	1589.28324	
1572.514047					
TRIM55	TRIM55	0	66.07132572	0	
DEPDC1	DEPDC1	3196.672314	2422.185141	529.4634615	
1210.496425					
KIR2DL4	KIR2DL4	0	0	4.713771124	
C11orf73	C11orf73		3368.863898	3457.072629	
2426.781937	2513.382763				
AMZ2	AMZ2	6675.645115	9192.11644	6600.882582	
5840.362422					
SHPK	SHPK	1566.123446	2003.761544	759.8202458	
858.8490987					
PCSK1N	PCSK1N	7.028227881	22.34300759	187.4997081	
48.08046546					
USF2	USF2	407.6372171	443.813378	347.3208879	
466.6633412					
UQCRC1	UQCRC1	16230.52092	26343.42154	11763.37455	
11753.31692					
SLC13A3	SLC13A3	62.08267961	77.18493531	55.35705669	
85.79063445					
BFSP1	BFSP1	122.9939879	36.56128515	25.89281684	
12.25580492					
PLCE1	PLCE1	43.3407386	6.093547524	3.571423012	
25.45436407					
NRG3	NRG3	0	0	2.828262674	
GPS1	GPS1	7934.869277	11349.23226	5776.776722	
6268.37284					

SEC22C	SEC22C	2924.91417	2849.749059	3095.530896
3158.226653				
XKR6	XKR6	51.54033779	48.74838019	38.39279738
61.27902461				
FAM115C	FAM115C	3494.200628	2700.457145	2713.388633
3094.119366				
SLC01A2	SLC01A2	3.51411394	0	2.828262674
IZUM04	IZUM04	111.2802748	50.7795627	37.49994163
55.62249926				
MDH1B	MDH1B	16.39919839	21.32741634	60.71419121
28.28262674				
EXOSC2	EXOSC2	3446.174404	4068.458564	2585.710261
3112.97445				
MYH11	MYH11	1484.127454	1812.830388	1560.711856
1449.013243				
ETV1	ETV1	24.59879758	12.18709505	26.78567259
11.3130507				
DHCR7	DHCR7	1812.111422	2912.715717	1653.568855
2022.207812				
MKS1	MKS1	1372.847179	1853.454039	1705.354488
1438.642947				
EMX2	EMX2	0	0	0.942754225
ZGPAT	ZGPAT	4567.176751	5867.070675	4436.600237
4690.202268				
FES	FES	588.0283994	699.742374	120.5355267
245.1160984				
A2M	A2M	4.685485254	0	116.0712479
MCM8-AS1	MCM8-AS1	7.142846024	22.25605496	703.2946516
7.542033798				
MATR3	MATR3	25022.834	26399.27906	28163.34902
27619.87052				
RBM10	RBM10	5532.386713	4657.501491	4108.922175
4527.105787				
FAH	FAH	2374.369652	3706.908077	1584.818962
2487.928399				
KRT18	KRT18	66.76816487	80.23170907	591.9633643
440.2662229				
FOXP1	FOXP1	7335.127165	7061.405989	12426.76637
11523.28489				
MED24	MED24	7673.653474	10014.74536	5645.526926
5780.026152				
TREM2	TREM2	0	0	1.885508449
SNX15	SNX15	1684.431949	1119.181562	806.248745
838.1085058				
NCOA1	NCOA1	5457.418949	4709.296645	7637.488111
7202.642277				
AMZ1	AMZ1	36.31251072	40.62365016	3.571423012
22.62610139				
CMC4	CMC4	408.8085884	464.1252031	575.8919607
557.1677468				

MIR6861	MIR6861	14.05645576	12.18709505	24.99996108	
21.68334717					
MIR6502	MIR6502	1.171371313	1.015591254	0	0
CDC14B	CDC14B	719.2219865	172.6505132	385.7136853	
466.6633412					
PPAPDC1B	PPAPDC1B		1198.312854	1234.958965	
2279.460737		1955.272262			
MYOZ3	MYOZ3	0	0	9.821413283	0
SARDH	SARDH	124.1653592	259.991361	463.3921358	
591.1068989					
UFD1L	UFD1L	6095.816315	8364.409568	4897.313805	
4723.198666					
RNF214	RNF214	707.5082733	641.8536726	632.1418731	
599.5916869					
NPW	NPW	58.56856567	75.1537528	41.07136464	
18.85508449					
EPHA10	EPHA10	12.88508445	0	0.892855753	7.542033798
CA10	CA10	16.39919839	0	0	0
ACD	ACD	3546.912337	4600.628381	4533.921514	
3551.355165					
CBS	CBS	441.6069852	235.6171709	169.6425931	
300.7385977					
CLINT1	CLINT1	10017.56747	11921.01014	7056.239016	
7701.359262					
SPTA1	SPTA1	5.856856567	5.07795627	0	0.942754225
ARHGEF4	ARHGEF4	11.71371313	5.07795627	73.21417175	
17.91233027					
UNC79	UNC79	8.199599194	6.093547524	13.3928363	
5.656525348					
FNIP1	FNIP1	1126.859204	731.2257029	1349.105043	
1294.401551					
DACT1	DACT1	48.02622385	93.43439537	1434.819195	
633.530839					
SLC34A3	SLC34A3	0	0	0.942754225	
ITPRIP	ITPRIP	2724.609675	2900.528622	3966.065255	
3703.138595					
LOC389831	LOC389831		1604.778699	53.82633646	
12.49998054		690.0960925			
PASK	PASK	5224.316058	6475.409836	4273.207634	
3851.151008					
PRPS2	PRPS2	5036.896648	4533.599358	4083.922214	
5181.377219					
NSG1	NSG1	70.28227881	90.38762161	527.67775	
435.5524518					
ARHGEF28	ARHGEF28		1.171371313	3.046773762	0
0					
SLC7A9	SLC7A9	5.856856567	0	5.357134518	10.37029647
GRID2IP	GRID2IP	0	5.07795627	21.42853807	5.656525348
FAM47E	FAM47E	3.51411394	5.07795627	27.67852834	
7.542033798					

BCL6	BCL6	281.1291152	94.44998663	1608.033211
1424.501634				
GPC3	GPC3	8.199599194	0	22.32139383
GTF3C5	GTF3C5	5149.348294	6440.879733	3985.708082
4161.317148				
KIF17	KIF17	0	0	0.942754225
FAM124B	FAM124B	107.7661608	283.3499599	1.785711506
30.16813519				
ICAM2	ICAM2	4484.009388	7307.179073	8045.523191
5928.981319				
TOR2A	TOR2A	1506.383509	1926.576609	1406.247811
1283.0885				
ZBTB37	ZBTB37	140.5645576	105.6214904	197.3211214
129.1573288				
NSUN5	NSUN5	3050.2509	4562.035913	3343.744795
3128.058518				
APEX2	APEX2	3857.325735	5168.343892	3322.316257
3646.573341				
PLEKHM1	PLEKHM1	525.9457197	504.7488533	566.0705474
369.5596561				
CRHR1	CRHR1	77.31050669	85.30966534	148.214055
102.7602105				
ZNF347	ZNF347	147.5927855	127.964498	624.9990271
524.1713489				
SNORD15A	SNORD15A		3.51411394	2.031182508
5.357134518	15.0840676			
KLHL1	KLHL1	0	0	0.942754225
PTPRD	PTPRD	8.199599194	0	1.785711506
CSMD3	CSMD3	0	0.892855753	0
TTC39C	TTC39C	1917.53484	1374.094967	2686.602961
3650.344358				
SLC29A1	SLC29A1	3548.083708	5959.489479	2846.424141
3265.700634				
G0S2	G0S2	289.3287144	315.84888	406.2493676
234.745802				
OXR1	OXR1	1448.986315	1435.030442	2369.639169
1860.99684				
CALU	CALU	5307.483421	7006.564062	4882.135258
4877.810359				
CYP2C8	CYP2C8	0	0	2.828262674
MYCL	MYCL	7.028227881	0	0
RRAS2	RRAS2	2197.492584	3103.646872	1576.78326
1274.603712				
CNPPD1	CNPPD1	5514.816144	7125.388238	6812.489396
5709.319585				
POLR3GL	POLR3GL	2286.516804	1972.278215	2677.674403
1859.111331				
AK9	AK9	364.2964785	187.884382	572.3205377
583.5648651				
IL20RB	IL20RB	16.39919839	20.31182508	79.46416202

38.65292321					
BIN1	BIN1	3332.551387	6596.265195	3069.638079	
2858.430809					
LDB2	LDB2	0	0	0	11.3130507
PICALM	PICALM	4325.874261	2096.180348	1096.426865	
1427.329896					
CITED1	CITED1	2.342742627	1.015591254	5.357134518	
0.942754225					
CAB39L	CAB39L	685.2522184	821.6133245	808.0344565	
721.2069819					
NKX2-1	NKX2-1	0	0	0.892855753	0
ZNF300	ZNF300	22.25605496	34.53010264	183.0354294	
127.2718203					
ANKRD40	ANKRD40	1365.818951	601.2300224	749.9988325	
911.6433353					
SLC39A8	SLC39A8	5764.318234	8257.772487	5732.133934	
5873.35882					
MOAP1	MOAP1	2121.353449	2288.127095	3141.959395	
2963.076528					
CASP8	CASP8	6538.594672	4578.285373	8008.023249	
6088.306783					
TBC1D3H	TBC1D3H	69.11090749	30.46773762	64.28561422	
82.01961755					
SMARCA4	SMARCA4	7303.500139	6743.525927	4357.136075	
4900.43646					
VWA9	VWA9	4646.83	5387.711603	3688.387116	4312.157824
BZW1	BZW1	20705.15934	22545.11025	20099.96871	
23129.53215					
LCA5	LCA5	3.51411394	10.15591254	44.64278765	
45.25220279					
KANK4	KANK4	0	0	0.892855753	1.885508449
MRPL32	MRPL32	3050.2509	3735.344632	3298.209152	
3598.492876					
CASP12	CASP12	0	2.031182508	17.85711506	2.828262674
DLX2	DLX2	2.342742627	3.046773762	0	0
RAPGEF3	RAPGEF3	29.28428284	41.63924142	139.2854975	
125.3863119					
TP53INP1	TP53INP1		2502.049126	1311.128309	
4221.422		3264.75788			
PFKFB1	PFKFB1	26.94154021	43.67042392	37.49994163	
14.14131337					
SSBP2	SSBP2	2409.510792	2209.926569	2231.246527	
1705.442393					
TRIB3	TRIB3	1665.690008	3059.976448	3627.672925	
1894.935992					
LPP	LPP	725.078843	597.1676574	515.1777695	
637.3018559					
SIGLEC7	SIGLEC7	0	0	11.60712479	0
PPP1R11	PPP1R11	1253.367305	302.6461937	377.6779835	
1895.878746					

MAGEF1	MAGEF1	870.3288859	845.9875146	1358.0336
1450.898752				
RTEL1	RTEL1	2373.198281	2282.033548	1070.534048
1333.997228				
LRRC4	LRRC4	0	2.031182508	1.785711506
LIAS	LIAS	693.4518176	796.2235432	699.1060546
984.2354106				
ST13	ST13	8162.115312	9965.996976	15809.79682
12117.22005				
CORIN	CORIN	0	6.093547524	6.249990271
ANXA8L1	ANXA8L1	2.342742627	1.015591254	0
RPL4	RPL4	24773.33191	34313.7817	24732.99721
26174.6283				
FAM189A2	FAM189A2	0	0	0
LRP5	LRP5	1587.20813	2046.416377	305.3566675
324.3074533				
ZW10	ZW10	3511.771198	3830.81021	1980.35406
2470.016069				
CCRL2	CCRL2	537.6594329	616.4638912	173.2140161
263.9711829				
HLA-DQB1	HLA-DQB1	299.999533	2901.486743	923.1724499
1140.732612				
SLC20A2	SLC20A2	1362.304838	2428.278688	1618.74748
1396.219007				
KCNS1	KCNS1	29.28428284	9.140321286	0
SRSF12	SRSF12	8.199599194	2.031182508	18.85508449
48.08046546				58.9284797
DPH3P1	DPH3P1	15.22782708	13.2026863	36.60708587
51.85148236				
ROM01	ROM01	5032.211163	5305.448711	2797.317074
3071.493264				
TSGA10	TSGA10	37.48388203	62.96665775	537.4991633
235.6885562				
YTHDF3	YTHDF3	5130.606353	4548.833227	5119.634888
5310.534548				
STK25	STK25	4645.658629	5318.651397	4208.029164
4519.563753				
CRAT	CRAT	1475.927855	1372.063784	1887.497062
1791.233027				
TANG02	TANG02	3071.335584	3847.05967	2154.460932
2369.141367				
SNX5	SNX5	4626.916688	5153.110023	5068.74211
5386.89764				
MZF1	MZF1	461.5202975	465.1407944	838.3915521
496.8314764				
TMEM161A	TMEM161A	1281.248006	1135.058803	1424.874529
1174.671764				
SSUH2	SSUH2	0	0	16.96425931
SFSWAP	SFSWAP	1529.810935	1377.14174	8.484788022
1345.310279				1716.961613

TNIP1	TNIP1	10213.18648	7859.660715	5675.884022	
6621.905674					
CEACAM20	CEACAM20		0	0	0.892855753
ALG9	ALG9	1468.899627	1720.411584	1333.033639	0
1252.920365					
NT5C	NT5C	2188.121614	2523.744266	1848.211409	
1975.070101					
TRPM1	TRPM1	0	1.015591254	8.035701777	5.656525348
CGNL1	CGNL1	0	3.046773762	19.64282657	0
C6orf106	C6orf106		3277.496935	3359.575868	
2584.817405		2279.579715			
NAIF1	NAIF1	978.0950467	1084.651459	939.2842522	
705.1801601					
PTPRN2	PTPRN2	367.8105924	340.2230701	172.3211603	
306.395123					
LGMM	LGMM	19038.29796	11368.5285	1975.889781	
3668.256688					
LOC100289656	LOC100289656		0	0	0.892855753
SZRD1	SZRD1	5852.171082	5364.353004	3869.636834	0
4240.508503					
RBM46	RBM46	2.342742627	0	0	0.942754225
EFS	EFS	0	0	1.785711506	0
RNF216	RNF216	3201.3578	3429.651665	6288.383069	
6086.421275					
LRRC20	LRRC20	726.2502143	683.492914	401.7850889	
396.8995286					
ADAM15	ADAM15	2660.184253	3595.193039	1981.246916	
1804.431586					
C19orf83	C19orf83		315.0988833	319.911245	
422.3207712		375.2161814			
CD8B	CD8B	322.1271112	1044.027809	3166.959356	
159.325464					
AGBL5	AGBL5	6380.459544	7845.442438	6108.026206	
5975.176276					
ILK	ILK	10377.17847	14561.5474	11124.08983	
10038.44698					
VASP	VASP	5445.705236	5087.096592	2772.317113	
3166.711441					
LEPR	LEPR	565.7723444	787.0832219	669.6418148	
701.4091432					
FAM115A	FAM115A	1102.260406	845.9875146	1071.426904	
1530.090107					
NCBP1	NCBP1	9064.071224	9927.404508	6440.168547	
8363.172727					
TCF7L2	TCF7L2	1.171371313	3.046773762	59.82133545	
35.82466054					
SERINC2	SERINC2	4.685485254	19.29623383	24.10710533	
24.51160984					
GCDH	GCDH	1937.448152	2081.962071	1854.461399	
1560.258242					

KEL	KEL	0	0	18.74997081	1.885508449
ZNF821	ZNF821	206.1613512		218.3521196	212.4996692
167.810252					
HPSE	HPSE	1522.782708		1260.348746	1058.926923
1417.902354					
TXLNG	TXLNG	1385.732264		1979.387354	3002.673897
1918.504847					
SPDYE2B	SPDYE2B	101.9093043		116.7929942	141.071209
207.4059294					
TMEM187	TMEM187	584.5142854		627.635395	762.4988131
519.4575778					
NAA10	NAA10	3988.519322		5488.255137	3275.887758
3716.337154					
NRIP1	NRIP1	1636.405725		1984.46531	2810.709911
2202.273869					
A1CF	A1CF	2.342742627	0	1.785711506	0
DDIT3	DDIT3	1138.572917	1360.89228		7219.631619
3790.814738					
DAZL	DAZL	5.856856567	26.40537261	0	22.62610139
ARG2	ARG2	2545.389864	3884.636547		2471.424724
3050.752671					
PEX11B	PEX11B	2367.341425	3383.950058		2664.281567
2892.369961					
JRK	JRK	1213.540681	854.1122447		503.5706447
977.636131					
TRAF3IP2	TRAF3IP2		878.5284851		1646.273423
955.3556557	730.6345242				
IP6K2	IP6K2	3922.922529	4761.091799		3502.673119
4070.812742					
MIR3942	MIR3942	1.171371313	0	0	0.942754225
MIR3928	MIR3928	0	1.015591254	0	0
MIR3940	MIR3940	333.8408243	106.6370817		80.35701777
100.874702					
MIR3939	MIR3939	22.25605496	11.17150379		6.249990271
8.484788022					
LOC151484	LOC151484		11.71371313		18.28064257
4.464278765	0				
HLA-F	HLA-F	470.891268	717.0074254		1231.248083
736.2910495					
UBP1	UBP1	2765.607671	1425.890121		1591.961808
1875.138153					
APP	APP	295.185571	132.026863		219.6425152
242.2878358					
LOC100652758	LOC100652758		66.76816487		53.82633646
137.499786	66.93554995				
CNIH4	CNIH4	2974.111765	2842.63992		2303.567843
2318.232639					
ZNF503-AS1	ZNF503-AS1		0	0	0
PROSER2-AS1	PROSER2-AS1		0	8.124730032	4.713771124
11.3130507					8.035701777

ARMCX5	ARMCX5	581.0001715	574.8246498	715.1774582
1124.70579				
KTN1	KTN1	3548.083708	2758.345846	3295.530584
4293.302739				
PTH1R	PTH1R	0	0	3.771016899
RILP	RILP	138.221815	344.2854351	146.4283435
168.7530062				
CPVL	CPVL	24.59879758	249.8354485	0
POM121	POM121	3789.386199	2553.196413	30.16813519
3019.641782				2511.603233
ZNF749	ZNF749	274.1008873	262.0225435	324.1066384
336.5632582				
LDLRAD2	LDLRAD2	0	2.678567259	0
TM2D2	TM2D2	1675.060978	2195.708291	2215.175123
1828.000442				
AGAP6	AGAP6	233.1028914	180.7752432	332.1423401
294.1393181				
TNFAIP8	TNFAIP8	9639.214538	7401.62906	10717.84046
14686.22531				
SGOL1	SGOL1	2548.903978	2676.082954	795.5344759
1254.805873				
MARK3	MARK3	5251.257598	5305.448711	6254.45455
6206.151061				
MIR7161	MIR7161	12.88508445	17.26505132	6.249990271
6.599279573				
CHRNA3	CHRNA3	45.68348122	35.54569389	21.42853807
32.99639787				
ANKS1B	ANKS1B	235.445634	99.5279429	53.57134518
121.615295				
USP1	USP1	7379.639275	6581.031326	6161.597552
6843.452917				
SDC2	SDC2	8.199599194	6.093547524	20.53568232
10.37029647				
SIAH1	SIAH1	1021.435785	923.1724499	1356.247889
1141.675366				
SHC1	SHC1	3220.099741	2743.111977	2481.246138
2885.770682				
RIT2	RIT2	0	1.785711506	0
SRC	SRC	56.22582305	88.3564391	164.2854586
98.9891936				
RPL37	RPL37	10067.93644	8121.683259	8839.271955
9219.193563				
TP53I11	TP53I11	577.4860575	547.4036859	1449.997743
1998.638956				
RUNX1T1	RUNX1T1	1.171371313	0	1.785711506
GABBR1	GABBR1	0	7.109138778	14.28569205
USP5	USP5	9171.837384	11731.09458	6395.525759
7520.350451				
PIGG	PIGG	2640.270941	3048.804945	2197.318008
2565.234245				
				1.885508449
				0

FAM210A	FAM210A	1050.720068	1075.511138	1043.748375	
887.1317255					
ANKRD19P	ANKRD19P		28.11291152	22.34300759	
43.7499319	58.45076193				
INPP5J	INPP5J	0	2.031182508	1.785711506	11.3130507
SMEK1	SMEK1	11078.82988	10874.95115	15632.11852	
12640.44865					
SMIM6	SMIM6	1.171371313	8.124730032	0	5.656525348
MPC2	MPC2	2709.381848	2850.76465	2511.603233	
2400.252256					
CECR6	CECR6	2.342742627	0	0	0
C17orf99	C17orf99		5.856856567	5.07795627	0
0					
TRMT1	TRMT1	2165.865559	2538.978135	3541.958772	
3196.879576					
ZNF83	ZNF83	856.2724301	539.2789559	1638.390307	
1773.320697					
PQLC1	PQLC1	2149.46636	1451.279902	1127.676816	
961.6093092					
EIF4E	EIF4E	6916.947606	8825.487998	7074.988987	
7108.366854					
ASNS	ASNS	3674.59181	4574.223008	4685.706992	
4963.600993					
RBM24	RBM24	0	0	6.599279573	
COQ6	COQ6	1350.591124	1877.828229	1739.283007	
1625.308283					
STK11	STK11	5551.128654	6347.445338	4571.421456	
4199.970071					
PSEN2	PSEN2	953.4962492	1650.335788	656.2489785	
760.8026593					
BLMH	BLMH	4967.78574	5025.145525	2782.138526	
2835.804708					
DGUOK-AS1	DGUOK-AS1		1605.950071	2275.94	2371.42488
2157.96442					
CCDC84	CCDC84	5580.412937	5353.1815	9906.23458	
8409.367684					
EPPK1	EPPK1	62.08267961	63.98224901	341.9637534	
408.2125793					
PARP1	PARP1	27114.90316	32678.67978	17774.07948	
20896.14739					
SLC25A11	SLC25A11		7485.062693	10689.09795	
5372.313066	6176.92568				
PLA2G10	PLA2G10	0	0	9.821413283	0.942754225
RUVBL1	RUVBL1	6442.542224	8991.029372	4491.957293	
4928.719087					
CASK	CASK	1539.181906	2218.051299	1724.997315	
2480.386365					
SEH1L	SEH1L	5507.787916	5631.453504	5055.349274	
5604.673866					
RYR1	RYR1	209.6754651	173.6661044	65.17846997	

103.7029647					
CD274	CD274	729.7643283	613.4171174	2960.709677	
2524.695814					
KIAA0895L	KIAA0895L		496.6614369	306.7085587	
196.4282657		185.7225823			
LPHN3-AS1	LPHN3-AS1		0	0	1.885508449
TMEM220-AS1	TMEM220-AS1		5.856856567	10.15591254	
70.53560449		44.30944856			
CD37	CD37	2405.996678	1855.485221	2160.710922	
2289.950012					
ARL16	ARL16	1284.994331	1494.950326	1878.568504	
1476.353116					
ZNF385A	ZNF385A	1.171371313	1.015591254	34.82137437	
2.828262674					
TCEAL4	TCEAL4	310.4133981	205.1494333	505.3563562	
617.5040172					
GDF9	GDF9	3035.023073	3396.137154	2090.175318	
2207.930394					
C4orf3	C4orf3	3739.017233	3448.947899	7042.84618	
6933.957323					
LIMCH1	LIMCH1	2.342742627	0	0	0.942754225
NOS3	NOS3	407.6372171	1109.025649	855.3558114	
411.040842					
F12	F12	23.42742627	45.70160643	35.71423012	
22.62610139					
HDAC2	HDAC2	7370.268304	7706.306436	6619.632553	
6977.324017					
ZNF222	ZNF222	133.5363297	99.5279429	393.7493871	
321.4791906					
PSMD6-AS2	PSMD6-AS2		340.8690522	214.2897546	
486.6063854		407.2698251			
PITRM1-AS1	PITRM1-AS1		1684.431949	2249.534628	
1466.069146		2091.02887			
LINC01021	LINC01021		16.39919839	5.07795627	0
	10.37029647				
LINC00665	LINC00665		4.685485254	23.35859884	
85.71415229		54.67974503			
EFCAB14-AS1	EFCAB14-AS1		742.6494127	989.1858814	
1124.998249		1102.079689			
TBC1D2B	TBC1D2B	5034.553905	3490.58714	3233.030682	
4249.936045					
CRLS1	CRLS1	2797.234697	3268.172656	2782.138526	
2478.500857					
SGSM2	SGSM2	1726.601316	770.8337618	1491.961963	
1535.746632					
SRGAP3	SRGAP3	154.6210134	239.679536	170.5354488	
42.42394011					
TRIP4	TRIP4	2546.561235	3150.36407	2355.353476	
2240.926792					
CD96	CD96	12641.43921	12401.3848	10085.69859	

12715.86898					
QRFP	QRFP	1.171371313	0	0	0.942754225
TEX9	TEX9	15.22782708	14.21827756		22.32139383
20.74059294					
SYF2	SYF2	2288.859547	2530.853405		3788.38696
3071.493264					
CES1	CES1	1.171371313	17.26505132		4.464278765
EFTUD1	EFTUD1	2204.520812	2966.542053		2315.174968
2501.126958					0
C2orf194	C2orf194		119.479874		86.32525659
274.1067162		190.4363534			
U2AF2	U2AF2	1154.972115	644.9004463		648.2132767
642.015627					
HHLA3	HHLA3	405.2944745	463.1096118		729.4631502
557.1677468					
TROVE2	TROVE2	4864.705065	5345.05677		5214.277598
5832.820388					
RALGDS	RALGDS	7625.627251	7904.34673		6273.204521
6159.01335					
ABCE1	ABCE1	9722.381902	10136.61631		9917.841705
10398.5791					
PRKCSH	PRKCSH	3843.269279	2379.530308		2037.496828
1914.73383					
LACE1	LACE1	145.2500429	179.759652		147.3211993
106.5312274					
NUDCD1	NUDCD1	2860.488747	3502.774235		2746.424296
2835.804708					
RASGEF1A	RASGEF1A		57.39719436		25.38978135
39.28565313		192.3218618			
KCTD4	KCTD4	4.685485254	2.031182508	0	7.542033798
ZNHIT6	ZNHIT6	1690.288805	1899.155645		1797.318631
1958.100525					
LAS1L	LAS1L	5170.432978	7166.011889		4495.528717
4783.534936					
SCAPER	SCAPER	993.3228738	1094.807372		2101.782443
1644.163368					
IL27RA	IL27RA	14439.49418	20172.68908		10806.23318
13090.14241					
C6orf48	C6orf48	1.171371313	0	1.785711506	0
BCL11A	BCL11A	3.51411394	0	3.571423012	19.79783872
GPR155	GPR155	1017.921671	742.3972067		2815.174189
2685.906786					
LRRC75A	LRRC75A	231.9315201	347.3322089		503.5706447
339.3915209					
LRP8	LRP8	2312.286973	3065.054405		2403.567687
1990.154168					
KCTD18	KCTD18	933.5829368	876.4552522		966.0699248
961.6093092					
TRMT10B	TRMT10B	516.5747492	476.3122981		572.3205377
757.9743967					

VN1R10P	VN1R10P	0	0	0	0.942754225	
RPA30S	RPA30S	1229.939879		1092.776189		1669.640258
1903.42078						
LOC400548	LOC400548			0	0	2.678567259
LOC728730	LOC728730			19.91331233		54.84192772
80.35701777	59.39351616					
LOC400685	LOC400685			49.19759517		12.18709505
55.35705669	83.905126					
WFDC21P	WFDC21P	2.342742627		0	2.678567259	10.37029647
MIR320A	MIR320A	0	5.07795627		5.357134518	2.828262674
USP3-AS1	USP3-AS1			825.816776		785.0520394
1022.319837	1119.049265					
LOC643733	LOC643733			71.45365012		25.38978135
478.5706836	484.5756715					
LOC440434	LOC440434			452.149327		310.7709237
310.7138021	379.9299526					
THAP9-AS1	THAP9-AS1			981.6091607		802.3170907
1759.818689	1505.578497					
LOC283038	LOC283038			50.36896648		54.84192772
21.42853807	65.99279573					
LOC285484	LOC285484			37.48388203		25.38978135
12.49998054	21.68334717					
RNF213	RNF213	42448.15366		28846.85398		21387.46671
23916.73193						
TIAM2	TIAM2	525.9457197		367.644034		530.3563173
592.9924073						
LHFP	LHFP	119.479874		150.3075056		281.2495622
103.7029647						
HRSP12	HRSP12	709.851016		793.1767694		521.4277598
652.3859235						
C8orf58	C8orf58	290.5000857		311.786515		485.7135296
510.0300356						
SPDYA	SPDYA	253.0162037		240.6951272		341.0708977
297.910335						
PIK3R5	PIK3R5	8491.270651		5775.667462		2894.638351
3726.70745						
RPGRIP1L	RPGRIP1L			248.3307185		302.6461937
174.9997276	282.8262674					
SRRM5	SRRM5	415.8368163		367.644034		311.6066578
288.4827928						
C1orf228	C1orf228			76.13913537		193.9779295
608.9276236	606.1909665					
ORMDL1	ORMDL1	4525.007384		4599.61279		6053.562006
5710.262339						
FAM71F2	FAM71F2	2.342742627		5.07795627		18.74997081
10.37029647						
SYCE1	SYCE1	36.31251072		30.46773762		12.49998054
66.93554995						
SLC05A1	SLC05A1	45.68348122		63.98224901	0	20.74059294
CDK16	CDK16	2143.609504		2467.886747		2488.388984

2023.150566					
CALC0C01	CALC0C01		2456.365644		1956.028755
3670.530001	3883.204652				
GM2A GM2A	1720.744459		2170.31851		1473.211993
1251.97761					
FBXL19 FBXL19	85.51010588		45.70160643		36.60708587
61.27902461					
SLC25A19	SLC25A19		2810.119781		3999.398358
2598.210241	2696.277083				
HDAC8 HDAC8	1821.482392		1875.797046		974.1056266
1296.287059					
IGF2 IGF2	0 0		14.28569205		30.16813519
9-Sep 9-Sep	18437.38447		7184.292531		5186.599069
6358.877246					
MTRNR2L3	MTRNR2L3		21.08468364		18.28064257 0
13.19855915					
TMEM116 TMEM116	654.7965642		648.9628113		1004.462722
976.6933768					
NUDT16L1	NUDT16L1		3140.446491		5327.791719
3574.994435	2651.02488				
FAHD1 FAHD1	800.0466071		1089.729416		947.319954
880.5324459					
CABP1 CABP1	0 2.031182508		9.821413283		0
LINC01355	LINC01355		55.05445173		35.54569389
27.67852834	97.10368515				
TACR1 TACR1	1.171371313		0 0		1.885508449
VCPIP1 VCP1P1	3104.133981		2445.54374		4724.099789
3782.32995					
PEA15 PEA15	1584.865387		507.795627		679.4632281
607.1337207					
FKBP1B FKBP1B	67.93953618		93.43439537		53.57134518
75.42033798					
ZDHHC8 ZDHHC8	476.7481246		107.6526729		219.6425152
345.0480462					
SFI1 SFI1	4124.398395		3854.168809		4955.349429
4922.119807					
GPR68 GPR68	3830.384195		4241.109077		1240.176641
1838.370738					
SH3YL1 SH3YL1	207.3327225		242.7263097		671.4275263
463.8350786					
ATN1 ATN1	255.3589463		122.8865417		159.8211798
161.2109724					
MPP3 MPP3	0 0		5.357134518		0
PDGFB PDGFB	35.1411394		0 147.3211993		170.6385147
IL11 IL11	0 2.031182508		0		0.942754225
ATP5D ATP5D	3891.295503		4836.245552		2989.281061
2877.285894					
MYC MYC	2436.452332		3785.108604		5659.812618
5794.167465					
F7 F7	0 0		0 1.885508449		

ERCC8	ERCC8	867.9861433	836.8471933	584.8205182
652.3859235				
FNDC3B	FNDC3B	812.9316915	782.0052656	1227.67666
1148.274646				
ALDH4A1	ALDH4A1	1010.893444	1055.199313	324.1066384
581.6793566				
EPRS	EPRS	9273.746689	10958.22963	12683.01597
12894.99229				
PRSS12	PRSS12	11.71371313	5.07795627	15.1785478
6.599279573				
MAP4K3	MAP4K3	197.961752	255.928996	449.1064438
462.8923243				
SOCS5	SOCS5	238.9597479	193.9779295	671.4275263
453.4647821				
ALKBH6	ALKBH6	1609.464185	1943.84166	1221.42667
1430.158159				
ANKRD20A3	ANKRD20A3		5.856856567	4.062365016
11.60712479	7.542033798			
RUNX2	RUNX2	3179.101745	1200.428862	884.8200513
2104.22743				
C20orf27	C20orf27		1616.492413	2357.187301
1592.854663	1486.723412			
GLB1	GLB1	5318.025763	8902.672933	5451.777228
4705.286336				
AHCYL2	AHCYL2	1734.800915	2283.049139	1644.640297
1721.469214				
APBB2	APBB2	5.856856567	36.56128515	30.3570956
51.85148236				
PRR7	PRR7	125.3367305	164.5257832	141.9640647
109.3594901				
SLIT1	SLIT1	12.88508445	5.07795627	0 10.37029647
EZH2	EZH2	9422.510845	9222.584178	5782.133857
5765.884838				
AGAP7P	AGAP7P	10.54234182	12.18709505	33.03566286
30.16813519				
PCGF6	PCGF6	1103.431777	914.0321286	757.1416786
814.5396502				
PPP6C	PPP6C	6722.499968	6140.264722	5598.205572
6043.05458				
POLG	POLG	7981.72413	7361.005409	6581.239756
6658.673089				
OVGP1	OVGP1	14.05645576	14.21827756	86.60700804
35.82466054				
AGL	AGL	2012.415917	1441.12399	1417.854936
1543.288666				
SMC3	SMC3	6820.895158	6315.962009	6335.704424
7378.937317				
RERE	RERE	968.7240762	550.4504597	955.3556557
901.2730388				
NRBP1	NRBP1	12629.7255	16108.29288	11129.44696

11649.61395				
TRA2A	TRA2A	3648.821641	2263.752905	2080.353905
2369.141367				
EEF2K	EEF2K	1382.21815	1253.239608	492.8563757
887.1317255				
CCDC106	CCDC106	128.8508445	95.46557788	74.99988325
91.4471598				
RBM15B	RBM15B	6224.66716	6662.278627	6680.346744
5726.289161				
GNL2	GNL2	7143.022269	9607.493263	5721.419665
7052.744355				
COP58	COP58	5408.221354	6203.23138	4641.064204
4846.699469				
CACNB2	CACNB2	78.481878	45.70160643	45.5356434
68.8210584				
ANKFN1	ANKFN1	0	1.015591254	1.785711506
0				0
CEP120	CEP120	2012.415917	1279.64498	2576.781703
3058.294705				
ODF3B	ODF3B	354.925508	238.6639447	401.7850889
398.7850371				
NFATC4	NFATC4	1.171371313	0	0
0				0
NR5A1	NR5A1	0	1.015591254	0
0				0
MTOR	MTOR	4078.714913	1552.839027	1600.890365
1647.934385				
ROR1	ROR1	5.856856567	7.109138778	38.39279738
7.542033798				
ITGB3	ITGB3	17.5705697	3.046773762	24.99996108
13.19855915				
SLC7A5	SLC7A5	30794.18046	23352.5053	15008.01235
19143.56729				
CYFIP1	CYFIP1	1928.077182	2150.006685	1352.676466
2080.658574				
RPS6KC1	RPS6KC1	1049.548697	991.217064	1553.56901
1327.397948				
PITPNA	PITPNA	5664.751672	7347.802723	6428.561422
5047.506119				
PIN4	PIN4	1611.806927	988.1702902	997.3198761
1385.84871				
ZFPL1	ZFPL1	1158.486229	1404.562704	1385.712129
1273.660958				
DDX20	DDX20	2260.746635	2916.778082	3805.351219
3436.339149				
VILL	VILL	568.115087	506.7800358	1124.105393
932.3839282				
GIPC1	GIPC1	1067.119267	2126.648086	1255.355189
639.1873644				
BNIP1	BNIP1	858.6151728	985.1235164	705.3560449
842.8222769				
ANKHD1	ANKHD1	8445.58717	7910.440278	11017.83999
11296.08112				

KIAA0226	KIAA0226	3948.692698	3398.168336
4516.064399	3807.784314		
CRYBB2 CRYBB2	0 20.31182508	5.357134518	0
CD44 CD44	13881.92144	18333.45332	27590.13562
30581.06154			
HEXA HEXA	3618.365987	5237.404097	5515.169986
4483.739093			
HIST2H4A	HIST2H4A	0 0	1.785711506
0.942754225			
HIST1H4L	HIST1H4L	16.39919839	4.062365016
2.678567259	0.942754225		
HIST1H4E	HIST1H4E	169.8488405	121.8709505
43.7499319	56.56525348		
PDE6A PDE6A	3.51411394	1.015591254	8.035701777
0.942754225			
LLGL1 LLGL1	672.3671339	496.6241232	392.8565313
814.5396502			
CD248 CD248	24.59879758	17.26505132	318.7495038
49.96597391			
PGLYRP4 PGLYRP4	77.31050669	109.6838554	0 16.96957604
COX16 COX16	3304.438475	3281.375342	2616.960212
2460.588527			
GNA01 GNA01	11.71371313	6.093547524	2.678567259
14.14131337			
AP1M1 AP1M1	10318.6099	13893.28836	8930.343242
7601.427314			
JAGN1 JAGN1	2796.063325	3297.624802	3134.816549
2684.964032			
PARD6A PARD6A	714.5365012	1077.542321	603.570489
802.2838452			
HMMR HMMR	5357.852388	4787.497172	1605.354644
3767.245882			
METTL13 METTL13	4435.983164	6670.403357	4678.564146
4843.871207			
RWDD2B RWDD2B	1028.464013	857.1590184	661.606113
653.3286777			
SVOP SVOP	0 0	8.92855753	0
6-Sep 6-Sep	13210.72567	19849.73106	12824.98004
11063.22083			
HNRNPA1 HNRNPA1	28387.01241	34802.28109	34572.26761
35654.02202			
HIGD2A HIGD2A	3080.706554	3744.484954	2257.139344
2221.128953			
MTCL1 MTCL1	0 0	0 0.942754225	
SMYD4 SMYD4	1810.940051	1818.923936	2380.353438
1935.474423			
PWWP2A PWWP2A	1262.738276	1187.226176	1586.604673
1591.369131			
SSH2 SSH2	2333.371656	932.3127712	2005.354021
2166.449208			

SCFD2	SCFD2	1571.980303	2132.741634	1261.605179
1711.098918				
ZFH2	ZFH2	10.54234182	19.29623383	26.78567259
27.33987252				
FGD5	FGD5	1.171371313	2.031182508	4.464278765
5.656525348				
TK1	TK1	17548.31365	23633.82407	5712.491108
9149.429751				
DCAF17	DCAF17	1352.933867	1104.963284	1285.712284
1392.44799				
SLC16A7	SLC16A7	872.6716285	444.8289693	924.9985601
1083.224604				
DEDD2	DEDD2	2662.526995	4546.802044	5723.205377
4023.675031				
IQGAP2	IQGAP2	9960.170278	6871.490425	3624.994357
6001.573395				
GAS5	GAS5	1783.99851	1824.001892	5302.670317
3414.655802				
FASTKD3	FASTKD3	1748.857371	1364.954645	870.5343592
1345.310279				
DBI	DBI	9575.960488	12228.73429	6466.954219
6685.070207				
CEP76	CEP76	1180.742284	1266.442294	1169.641036
948.4107501				
LRFN2	LRFN2	0	2.031182508	24.10710533
22.62610139				
VPS18	VPS18	3337.236872	4150.721455	3480.351725
3143.142585				
NRSN2-AS1	NRSN2-AS1		29.28428284	47.73278894
73.21417175				
FCGR3B	FCGR3B	1.171371313	0	0.942754225
ANKRD18B	ANKRD18B		29.28428284	7.109138778
3.571423012				
ZNF557	ZNF557	1013.236186	998.3262027	2119.639558
1289.687779				
FAM160B1	FAM160B1		5843.971483	4827.105231
2599.103097				
ARHGEF2	ARHGEF2	2769.121785	1076.526729	904.4628778
1117.163756				
VIT	VIT	0	0	19.64282657
				0
FIBP	FIBP	5012.29785	6930.394718	4023.208023
3827.582152				
RAB6A	RAB6A	7862.244256	8881.345517	10933.0187
9044.784032				
POLR2C	POLR2C	4543.749325	3715.032807	2964.2811
3393.915209				
HAGLR	HAGLR	9.370970508	3.046773762	20.53568232
5.656525348				
TRPV1	TRPV1	267.0726595	186.8687907	173.2140161
146.1269048				
STK19	STK19	0	32.49892013	39.28565313
				1.885508449

TIRAP	TIRAP	711.0223873	642.8692638	633.0347289
549.625713				
DIS3L2	DIS3L2	1243.996335	1388.313244	1136.605374
1296.287059				
TMEM107	TMEM107	912.4982532	667.2434539	655.3561227
761.7454136				
NAV2	NAV2	28.11291152	14.21827756	0.892855753
43.36669434				
CD320	CD320	3047.908158	4764.138573	2354.460621
2729.273481				
BCCIP	BCCIP	6135.64294	7604.74731	5160.706253
5860.160261				
WBP11	WBP11	10917.18064	12566.92618	11682.12467
11642.07192				
RSL24D1	RSL24D1	4270.819809	3777.999465	5684.81258
5789.453694				
LRRC42	LRRC42	1601.264586	1771.191147	1416.96208
1452.78426				
COL6A2	COL6A2	1036.663612	2088.055618	966.0699248
817.3679128				
ZNF398	ZNF398	1568.466189	1274.567024	2281.246449
2558.634966				
SLC44A1	SLC44A1	634.8832519	998.3262027	2226.782248
1942.073703				
TSSK3	TSSK3	0	3.046773762	45.5356434
12.25580492				12.25580492
PANX2	PANX2	71.45365012	24.3741901	1.785711506
12.25580492				
NUDT2	NUDT2	1022.607157	1353.783142	883.9271955
750.4323629				
ATP1A3	ATP1A3	80.82462063	18.28064257	33.03566286
44.30944856				
SERPINC1	SERPINC1		3.51411394	6.093547524
17.85711506	0			
ARSA	ARSA	1427.901631	644.9004463	614.2847581
1043.628927				
LY75	LY75	3386.434467	2529.837814	4488.38587
4610.068159				
RAB9B	RAB9B	39.82662466	15.23386881	58.03562395
26.39711829				
ISYNA1	ISYNA1	1055.405553	1275.582615	952.6770885
1264.233415				
GP6	GP6	19.91331233	6.093547524	12.49998054
14.14131337				
SMURF1	SMURF1	937.0970508	822.6289158	1154.462489
813.5968959				
PEX11A	PEX11A	76.13913537	119.839768	377.6779835
317.7081737				
BASP1	BASP1	94.88107639	25.38978135	66.07132572
126.3290661				
CYB5D1	CYB5D1	398.2662466	376.7843553	616.9633253

664.6417284						
SNX4	SNX4	4023.660462	4468.601518	2752.674287		
3204.42161						
IFIT2	IFIT2	575.1433149	427.563918	24506.21185		
12110.62077						
IL7	IL7	90.19559114	129.9956805	24.99996108		
80.1341091						
HYPK	HYPK	2290.030918	2859.904971	2689.281528		
2591.631364						
PCYT1B	PCYT1B	1.171371313	0	0	0	
MINPP1	MINPP1	1567.294817	1845.329309	1349.105043		
1639.449597						
ALAS2	ALAS2	2.342742627	1.015591254	13.3928363		0
RASGRP2	RASGRP2	6386.316401	5793.948104	885.712907		
848.4788022						
HES6	HES6	245.9879758	273.1940473	203.5711117		
197.035633						
LONP1	LONP1	6898.205665	8265.897217	7665.16664		
7890.852861						
TMEM214	TMEM214	4134.940737	4471.648292	3243.744951		
3472.16381						
TRABD2A	TRABD2A	1656.319037	3124.974289	3058.030954		
2333.316706						
OCIAD1	OCIAD1	5696.378697	5297.323981	5325.884567		
5872.416066						
ZMYM1	ZMYM1	384.2097908	263.0381348	540.1777306		
737.2338037						
MGC16025	MGC16025		1.171371313	0	0	0
SREK1	SREK1	3023.30936	2864.982928	3096.423752		
3268.528897						
TTLL6	TTLL6	0	0	16.07140355	0	
MFAP5	MFAP5	0	1.015591254	0	0	
MED18	MED18	1895.278785	1080.589094	1161.605335		
842.8222769						
NUGGC	NUGGC	90.19559114	13.2026863	58.03562395		
98.9891936						
FECH	FECH	2976.454508	3451.994673	1999.104031		
2448.332722						
ZNF763	ZNF763	40.99799597	23.35859884	575.8919607		
302.6241061						
GPRASP2	GPRASP2	45.68348122	63.98224901	149.9997665		
191.3791076						
KDM2A	KDM2A	3565.654278	1277.613798	1770.532958		
1825.172179						
XPC	XPC	5057.981332	6365.72598	10733.01901		
6924.529781						
TBCC	TBCC	2897.97263	3088.413004	4467.850188		
4472.426042						
FLT4	FLT4	62.08267961	121.8709505	64.28561422		
160.2682182						

CACNA1H CACNA1H	26.94154021	36.56128515	54.46420093
40.53843166			
HECTD2 HECTD2	292.8428284	209.2117983	352.6780224
263.0284287			
GOLGA6L9	GOLGA6L9	4.685485254	3.046773762
15.1785478	6.599279573		
LOC101929378	LOC101929378	4.685485254	0 0
2.828262674			
TCEA2 TCEA2	549.373146	753.5687105	623.2133156
520.400332			
ADAM22 ADAM22	48.02622385	48.74838019	88.39271955
65.05004151			
DCAF4L1 DCAF4L1	1.171371313	2.031182508	2.678567259
23.56885562			
CELF2 CELF2	13276.32247	14068.98564	9197.307112
10917.09392			
AMPD3 AMPD3	1263.909647	1227.849826	1178.569594
1785.576502			
WDR31 WDR31	45.68348122	49.76397145	89.2855753
87.6761429			
BROX BROX	3730.817633	1708.224489	1617.854624
2309.747851			
AGAP2 AGAP2	1146.772516	912.0009461	312.4995136
584.5076193			
PSMD2 PSMD2	32887.421	46261.19721	27151.74345
27049.50422			
SNORA19 SNORA19	8.199599194	12.18709505	7.142846024
2.828262674			
LIPA LIPA	2404.825307	2314.532468	4828.563912
4180.172232			
ACSF2 ACSF2	240.1311193	250.8510398	257.1424569
255.4863949			
SNORA71A	SNORA71A	23.42742627	8.124730032
3.571423012	11.3130507		
CYCSP52 CYCSP52	0 1.015591254	0	0.942754225
LOC101929524	LOC101929524	84.33873457	74.13816155
164.2854586	121.615295		
SCARNA22	SCARNA22	100.737933	83.27848283
21.42853807	23.56885562		
SCARNA7 SCARNA7	2.342742627	1.015591254	0.892855753
4.713771124			
SNORD20 SNORD20	23.42742627	27.42096386	30.3570956
35.82466054			
SCARNA4 SCARNA4	5.856856567	4.062365016	6.249990271
2.828262674			
SCARNA8 SCARNA8	3.51411394	2.031182508	0.892855753
6.599279573			
SCARNA15	SCARNA15	9.370970508	10.15591254
25.89281684	16.02682182		
SNORA71B	SNORA71B	24.59879758	11.17150379

16.07140355	18.85508449			
SIRPD SIRPD	2.342742627	0	4.464278765	3.771016899
ZNF831 ZNF831	1094.060807	371.706399		253.5710339
571.3090602				
RPIA RPIA	3920.579786	3803.389246		3462.49461
2938.564918				
GMCL1 GMCL1	3345.436471	3907.995146		3715.172788
3228.93322				
RRAGA RRAGA	4238.021412	5256.700331		5274.098933
4900.43646				
STC2 STC2	17.5705697	7.109138778		4.464278765
15.0840676				
ALDH1B1 ALDH1B1	1741.829143	2529.837814		1614.283201
1670.560486				
CYP4F2 CYP4F2	0 1.015591254	0	0	
SLC6A2 SLC6A2	0 0	0	0.942754225	
NUP155 NUP155	6494.082562	5650.749738		5146.42056
3617.34796				
ARHGAP1 ARHGAP1	8478.385567	8726.975646		4472.314467
4857.069766				
NPIP9 NPIP9	2.342742627	1.015591254		11.60712479
5.656525348				
DBNDD1 DBNDD1	0 0	200.8925444		48.08046546
C16orf13 C16orf13		2049.899799		2397.810951
1769.640103	1948.672982			
IL1R1 IL1R1	670.0243913	1250.192834		825.8915716
1192.584094				
CSF1R CSF1R	10.54234182	5.07795627		11.60712479
24.51160984				
LINC00261 LINC00261		0 0		0.892855753
2.828262674				
BTBD1 BTBD1	8925.849409	9625.773906		5484.812891
6774.631859				
ING4 ING4	1308.421757	1264.411111		1774.997237
1803.488832				
ASTN2 ASTN2	371.3247064	365.6128515		353.5708782
249.8298695				
ARF6 ARF6	23712.0695	23160.55855		17276.75882
21041.33154				
DENR DENR	8705.631602	8773.692844		5454.455795
7096.111049				
ZSWIM8 ZSWIM8	3585.567591	1412.687434		1945.532686
1947.730228				
CCT2 CCT2	14385.6111	17091.38521		11521.41064
12430.21445				
ZNF669 ZNF669	441.6069852	501.7020795		716.0703139
643.9011355				
BBX BBX	2008.901803	1800.643293		5352.670239
4968.314764				
PRR5 PRR5	978.0950467	801.3014994		1368.747869

1225.580492					
MIR3124	MIR3124	4.685485254	0	0.892855753	0
MIR3122	MIR3122	1.171371313	0	1.785711506	0
MIR3121	MIR3121	0	0	1.885508449	
PBX4	PBX4	503.6896648	486.4682107	590.1776528	
639.1873644					
MROH7-TTC4	MROH7-TTC4		2765.607671	3628.707551	
2616.067356		2864.087335			
DPY19L1P1	DPY19L1P1		45.68348122	11.17150379	
44.64278765		65.05004151			
LOC284080	LOC284080		0	1.015591254	1.785711506
0					
MT1JP	MT1JP	0	1.015591254	0	0
ENOSF1	ENOSF1	16099.32733	15984.39075	6905.346394	
9673.6011					
BCL2L15	BCL2L15	145.2500429	233.5859884	0	19.79783872
EXTL2	EXTL2	240.1311193	297.5682374	499.9992217	
253.6008864					
SIRPA	SIRPA	0	0	58.9284797	2.828262674
ZNF174	ZNF174	680.5667331	1033.871897	1107.141134	
908.8150726					
TMPO	TMPO	21429.06681	19487.16498	10495.51938	
15685.54479					
ZNF492	ZNF492	81.99599194	26.40537261	33.03566286	
50.90872813					
FGF20	FGF20	2.342742627	0	0	0
NGEF	NGEF	0	0	2.828262674	
IRS4	IRS4	0	6.093547524	0	1.885508449
CUL1	CUL1	8674.004576	9929.435691	9908.020291	
8779.870095					
ARPC2	ARPC2	69970.69404	90971.58658	37641.01284	
45395.50143					
CLDN10	CLDN10	9.370970508	0	0	1.885508449
DERL1	DERL1	7132.479928	7918.565008	9691.056343	
7958.731165					
SAMD8	SAMD8	898.4417974	836.8471933	1298.212265	
1262.347907					
SYTL1	SYTL1	2045.214313	2109.383035	1199.105276	
1404.703795					
DDIT4L	DDIT4L	31.62702546	0	0	36.76741476
RMND5A	RMND5A	3508.257084	2936.074315	3756.244153	
2886.713436					
EX05	EX05	1046.034583	831.7692371	866.9629362	
987.0636733					
EPS8L2	EPS8L2	262.3871742	335.1451138	191.9639869	
295.0820723					
NDUFB11	NDUFB11	5190.34629	5738.090585	3733.922759	
3782.32995					
UBB	UBB	40600.9011	49258.207	43691.00342	
36523.24142					

EXOC6	EXOC6	1480.61334	1133.39984	788.3916299	
1070.968799					
DICER1	DICER1	4184.138332	2304.376555	1935.711273	
2899.911995					
PLSCR1	PLSCR1	6890.006066	6143.311496	4703.564107	
3939.769905					
FAM117A	FAM117A	2577.01689	1130.353066	1777.675804	
1622.480021					
GDPD5	GDPD5	558.7441165	714.9762429	791.9630529	
791.9135488					
ADAM8	ADAM8	11406.81385	11842.80961	2380.353438	
3696.539315					
ZFP1	ZFP1	1361.133466	1118.165971	1590.176096	
1500.864726					
PTPN7	PTPN7	38522.88839	63557.73186	23563.35618	
29551.57393					
CTDSPL2	CTDSPL2	4373.900484	3464.181768	3428.566092	
3830.410415					
TRMT112	TRMT112	7816.560775	8590.886418	11472.30357	
9175.826869					
IFT57	IFT57	1165.514457	1301.987988	2048.211097	
1632.850317					
TTC32	TTC32	723.9074717	374.7531727	537.4991633	
805.1121079					
BTN2A1	BTN2A1	1487.641568	1797.59652	2350.889198	
1802.546078					
COMMD3	COMMD3	6278.55024	6501.815208	3526.780224	
4615.724684					
CD302	CD302	57.39719436	44.68601518	114.2855364	
168.7530062					
ZC3H4	ZC3H4	418.1795589	296.5526462	252.6781781	
322.4219449					
MLC1	MLC1	66.76816487	88.3564391	8.035701777	0
PLEKHM2	PLEKHM2	2697.668135	3330.123722	2967.852523	
2909.339537					
CXorf58	CXorf58	0	4.062365016	1.785711506	6.599279573
IL1RL2	IL1RL2	0	5.07795627	0	0
KDSR	KDSR	3634.765186	2609.053932	5587.491302	
6213.693095					
IKZF1	IKZF1	29741.11765	19269.82845	20607.11078	
24191.07341					
PABPC1	PABPC1	15091.948	9924.357735	10229.44836	
12139.84615					
PEBP1	PEBP1	12696.49367	17524.02709	13136.58669	
12644.21966					
UCKL1	UCKL1	2165.865559	2276.955592	2134.818105	
2323.889164					
PDE6G	PDE6G	172.1915831	550.4504597	121.4283824	
60.33627038					
CYLD	CYLD	23769.46669	23437.81496	21495.50225	

23304.88443				
DISC2 DISC2	11.71371313	4.062365016	14.28569205	
25.45436407				
PSMB2 PSMB2	18056.6888	18644.22424	10347.30532	
11269.684				
AIF1 AIF1	49.19759517	31.48332888	24.10710533	
30.16813519				
MSX1 MSX1	4.685485254	0 0	0	
TRAPPC11	TRAPPC11	3680.448667	3408.324249	
3483.923148	3038.496866			
CD99L2 CD99L2	1397.445977	1502.059465	1041.962664	
1172.786256				
SERF1B SERF1B	30.45565415	32.49892013	53.57134518	
32.05364364				
SH3BP4 SH3BP4	2.342742627	0 17.85711506	0	
MYBBP1A MYBBP1A	5012.29785	5452.709443	5159.813397	
4979.627815				
S100A14 S100A14	0 1.015591254	0	0	
TMEM27 TMEM27	10.54234182	8.124730032	115.1783921	
17.91233027				
MRS2 MRS2	1950.333237	2565.383508	2651.781587	
2351.229036				
ADGB ADGB	0 1.015591254	8.035701777	0	
CNOT2 CNOT2	4028.345947	4655.470309	5160.706253	
4641.179048				
GOLIM4 GOLIM4	372.4960777	234.6015797	75.89273901	
119.7297865				
RFWD3 RFWD3	8288.623414	6544.470041	4780.349702	
5685.750729				
RPS6KA6 RPS6KA6	0 7.109138778	27.67852834	17.91233027	
VPS13C VPS13C	3160.359804	2170.31851	3248.20923	
4067.041725				
OGT OGT	7611.570795	4560.004731	5980.347834	
7447.758375				
MRPL49 MRPL49	6879.463724	9904.045909	9809.806159	
7082.91249				
PDGFC PDGFC	0 0	4.464278765	0	
APOPT1 APOPT1	1267.423761	1402.531522	1172.319604	
1293.458796				
ALG1 ALG1	3072.506955	4707.265463	2996.423907	
3292.097753				
FBXW5 FBXW5	10838.69876	13814.07224	8458.915404	
9254.07547				
DPCR1 DPCR1	0 1.015591254	3.571423012	0	
IL12RB1 IL12RB1	3708.561578	3643.94142	1910.711311	
2331.431198				
STRC STRC	1.171371313	0 0	0	
HYAL1 HYAL1	14.05645576	11.17150379	49.99992217	
24.51160984				
UBA1 UBA1	21693.79673	32715.24107	13849.97844	

14260.1004					
TPM3	TPM3	60846.88288	78785.50712	38405.29736	
47655.28331					
PDS5A	PDS5A	15753.77279	10624.10011	8741.057822	
9470.908941					
IP07	IP07	1064.776524	596.1520661	555.3562784	
1213.324687					
TEAD2	TEAD2	12.88508445	13.2026863	11.60712479	
10.37029647					
GBP6	GBP6	32.79839678	41.63924142	874.1057822	
866.3911325					
LPAR2	LPAR2	1256.881419	1533.542794	1087.498307	
1440.528455					
MSN	MSN	83097.08098	98609.8484	49563.31571	
59371.83281					
C2CD5	C2CD5	3614.851873	2622.256618	2736.602883	
3325.094151					
PRDM16	PRDM16	0	2.678567259	0	
WDR88	WDR88	38.65525334	20.31182508	24.10710533	
23.56885562					
LOC730668	LOC730668	0	0	0	2.828262674
CACNB1	CACNB1	276.44363	258.9757698	415.1779252	
344.105292					
NF1	NF1	428.7219007	242.7263097	933.0342619	
632.5880848					
LGALS9B	LGALS9B	2.342742627	2.031182508	0	1.885508449
CPS1	CPS1	5.856856567	5.07795627	2.678567259	
58.45076193					
ADAMTSL1	ADAMTSL1	0	1.015591254	16.96425931	
0					
PRKCQ	PRKCQ	8234.740334	7348.818314	5523.205688	
5949.721912					
LTBP3	LTBP3	959.3531057	823.644507	1349.105043	
1302.886339					
KIAA0141	KIAA0141	2040.528828	2634.443713		
1504.461944	1777.091714				
MIR181B1	MIR181B1	0	1.015591254	0	
1.885508449					
MIR34A	MIR34A	4.685485254	6.093547524	1.785711506	0
LOC100506124	LOC100506124	5.856856567	6.093547524		
20.53568232	23.56885562				
LINC00881	LINC00881	21.08468364	15.23386881		0
41.48118589					
LOC100288069	LOC100288069	120.6512453	75.1537528		
153.5711895	146.1269048				
PAXIP1	PAXIP1	1199.484225	893.7203036	1422.319215	
1174.671764					
RRM2B	RRM2B	3208.386028	2923.88722	2925.888303	
2622.742253					
GLTSCR2	GLTSCR2	3251.726766	3575.896806	7420.524163	

5148.380821				
NMT1	NMT1	7092.653303	8393.861715	6902.667827
6330.594619				
ESD	ESD	3972.120124	4821.011683	4949.099439
4816.531334				
KRIT1	KRIT1	1880.050958	1311.128309	1682.140239
2195.674589				
PKP3	PKP3	4.685485254	0	6.249990271
POLI	POLI	502.5182935	343.2698439	913.3914353
937.0976994				
SORBS3	SORBS3	159.3064986	281.3187774	959.8199345
850.3643107				
DNAJC8	DNAJC8	9974.226734	11941.32197	9710.69917
10112.92457				
LPPR2	LPPR2	45.68348122	36.56128515	135.7140745
180.0660569				
KDM3B	KDM3B	2717.581447	1279.64498	1997.31832
1847.79828				
QPCTL	QPCTL	158.1351273	123.902133	209.821102
149.8979217				
DUT	DUT	14387.95384	14815.44521	7886.594867
10874.66998				
FAM107B	FAM107B	42533.66376	42807.17136	16828.54523
22710.00652				
ATP5G1	ATP5G1	5206.745488	7562.092478	5150.884839
4899.493706				
IL19	IL19	9.370970508	41.63924142	2.678567259
7.542033798				
ANAPC2	ANAPC2	449.8065844	173.6661044	273.2138604
286.5972843				
CDV3	CDV3	11013.23309	6800.399037	6505.347017
7081.026982				
SGSH	SGSH	1485.298825	1790.487381	2076.782482
1882.680187				
BIK	BIK	190.9335241	233.5859884	384.8208296
346.9335547				
TMEM231	TMEM231	72.62502143	89.37203036	160.7140355
120.6725408				
TAGLN2	TAGLN2	31936.26749	52610.67373	25053.53243
23803.60142				
EPC1	EPC1	1255.710048	942.4686838	1803.568621
1785.576502				
SCN4B	SCN4B	1.171371313	0	0
NIPA1	NIPA1	2298.230517	2148.991094	1349.997899
1615.880741				
COL6A6	COL6A6	0	0	5.357134518
LOC151174	LOC151174			1.885508449
51.78563368	197.9783872			71.45365012
MSH5-SAPCD1	MSH5-SAPCD1			12.18709505
9.821413283	19.79783872			24.59879758
				27.42096386

SFMBT2	SFMBT2	1251.024563	529.1230434	1239.283785	
1279.317483					
ECSIT	ECSIT	1444.30083	1681.819117	1903.568465	
1759.179383					
DCAF8	DCAF8	5367.223358	4056.271469	4091.957916	
4899.493706					
SPARCL1	SPARCL1	1.171371313	4.062365016	0.892855753	
7.542033798					
EFHC1	EFHC1	57.39719436	58.90429273	247.3210436	
247.9443611					
NSUN5P2	NSUN5P2	517.7461205	330.0671576	494.6420872	
451.5792736					
NSUN5P1	NSUN5P1	511.889264	353.4257564	327.6780614	
428.010418					
LOC283683	LOC283683		2.342742627	0	10.71426904
1.885508449					
IQCH-AS1	IQCH-AS1		209.6754651	249.8354485	
474.1064049	528.8851201				
C16orf96	C16orf96		7.028227881	3.046773762	0
0.942754225					
GPR133	GPR133	38.65525334	23.35859884	22.32139383	
85.79063445					
RLN2	RLN2	122.9939879	105.6214904	156.2497568	
85.79063445					
MIR664A	MIR664A	1.171371313	0	0	0
RANBP1	RANBP1	10566.94062	13902.42868	7795.52358	
8743.10268					
GPC1	GPC1	153.4496421	191.946747	135.7140745	
106.5312274					
C11orf44	C11orf44		22.25605496	8.124730032	0
7.542033798					
ZNF322	ZNF322	313.927512	374.7531727	895.5343203	
530.7706285					
KMT2E	KMT2E	6928.661319	6836.960322	12254.44521	
11659.0415					
BRDT	BRDT	0	4.062365016	0	0
DOCK9	DOCK9	2543.047122	1218.709505	3557.13732	
3887.918423					
LRRFIP2	LRRFIP2	1827.339249	2184.536787	1618.74748	
1559.315488					
ZKSCAN5	ZKSCAN5	1489.984311	1327.377769	1106.248278	
1381.134939					
SNRPE	SNRPE	10670.02129	9655.226052	7249.988715	
8252.870483					
TBCB	TBCB	6118.07237	9460.232531	4393.743161	
4304.61579					
CIRBP	CIRBP	4309.475062	3420.511344	8768.736351	
7385.536596					
CHI3L1	CHI3L1	0	82.14272928	0	
ZNF630	ZNF630	17.5705697	17.26505132	257.1424569	

170.6385147					
C12orf74	C12orf74		1.171371313	0	0 0
TAC4	TAC4	16.39919839	0	4.464278765	4.713771124
GATSL3	GATSL3	365.4678498	730.2101117	424.9993384	
300.7385977					
ORC4	ORC4	1792.19811	1664.554065	2586.603117	
2568.062508					
PPP2R3A	PPP2R3A	12.88508445	13.2026863	46.42849916	
33.93915209					
PRIM2	PRIM2	1583.694016	1561.979349	680.3560838	
1140.732612					
SIGLEC10	SIGLEC10		16.39919839	23.35859884	
6.249990271		22.62610139			
HCK	HCK	3.51411394	0	76.78559476	8.484788022
C8G	C8G	5.856856567	14.21827756	11.60712479	
13.19855915					
ZCCHC9	ZCCHC9	1719.573088	1588.384721	968.748492	
1169.957993					
ARF1	ARF1	34207.55647	48576.74527	36568.69308	
33652.55481					
AREG	AREG	5.856856567	2.031182508	34.82137437	
12.25580492					
CGGBP1	CGGBP1	10090.19249	7207.65113	9133.021498	
10443.8313					
APLP2	APLP2	3439.146176	4645.314396	8061.594594	
5892.213904					
PPFIA3	PPFIA3	21.08468364	19.29623383	59.82133545	
39.59567744					
PNRC2	PNRC2	1752.371485	2136.803999	2341.96064	
1781.805485					
TESC	TESC	1275.62336	1608.696546	575.8919607	
604.305458					
ABHD11	ABHD11	797.7038645	874.4240697	1046.426943	
881.4752001					
PDE4B	PDE4B	3668.734954	5599.970175	3715.172788	
3974.651811					
L2HGDH	L2HGDH	953.4962492	857.1590184	585.713374	
759.8599051					
FLI1	FLI1	4987.699053	4643.283214	2861.602688	
3695.596561					
TMSB4X	TMSB4X	427493.1322	451065.7152	226886.254	
277043.413					
HSPB2-C11orf52	HSPB2-C11orf52		0	3.046773762	3.571423012
4.713771124					
DDX11L9	DDX11L9	2.342742627	0	4.464278765	6.599279573
EXD2	EXD2	506.0324074	887.626756	978.5699053	
959.7238008					
LOC101926889	LOC101926889		1.171371313	1.015591254	
9.821413283		0.942754225			
LSP1	LSP1	32818.31009	48582.83882	20230.32565	

18941.81788				
SPDYE2 SPDYE2	101.9093043	116.7929942	141.071209	
207.4059294				
FLOT1 FLOT1	0 1.015591254	1.785711506	0.942754225	
RGCC RGCC	2284.174061	2686.238867	5841.062336	
3687.111773				
ALYREF ALYREF	9612.272998	11787.96769	5227.670434	
5699.892043				
NT5DC1 NT5DC1	2647.299168	2309.454512	1876.782793	
2389.88196				
FAM156A FAM156A	108.9375322	200.071477	140.1783532	
122.5580492				
PM20D1 PM20D1	3.51411394	25.38978135	64.28561422	
9.427542247				
TNK1 TNK1	368.9819637	432.6418742	692.8560644	
731.5772784				
PPDPF PPDPF	1550.895619	1073.479956	1508.033367	
505.3162644				
AVL9 AVL9	928.8974516	1316.206265	993.7484531	
1311.371127				
PROCR PROCR	65.59679355	79.21611782	74.99988325	
80.1341091				
NEBL NEBL	28.11291152	17.26505132	114.2855364	
9.427542247				
PMF1 PMF1	4117.370167	4819.996092	3130.35227	
3886.032914				
CA5B CA5B	386.5525334	411.3144579	829.4629946	
487.4039342				
RNF139 RNF139	3714.418435	3874.480634	4364.278921	
3922.800329				
PDCD10 PDCD10	5467.961291	6148.389452	4870.528133	
4851.41324				
SYNE1 SYNE1	5670.608528	3358.560277	6461.597085	
6382.446101				
PFDN5 PFDN5	6278.55024	6100.656663	8708.022159	
7409.105452				
C1orf43 C1orf43	9394.397934	11709.76716	10894.6259	
9172.998606				
GPR56 GPR56	2548.903978	165.5413744	116.0712479	
637.3018559				
HDLBP HDLBP	15292.2525	16035.17031	13174.08664	
13810.40664				
STK38 STK38	9127.325274	8542.138038	6959.810595	
6815.17029				
CHEK2 CHEK2	1368.161694	1409.640661	518.7491925	
883.3607086				
OSBPL2 OSBPL2	1684.431949	1786.425016	2264.28219	
2306.919588				
RETSAT RETSAT	1780.484396	1817.908345	1213.390968	
1229.351509				

OBFC1	OBFC1	2369.684167	4213.688113	4482.13588	
3764.417619					
KIAA0226L	KIAA0226L		40.99799597	1.015591254	0
	39.59567744				
FOXP3	FOXP3	3994.376179	14890.59897	4858.921008	
5319.019336					
BAZ1A	BAZ1A	3956.892297	4272.592406	4792.849682	
4734.511717					
EMR2	EMR2	201.4758659	5.07795627	10.71426904	
115.9587696					
IRS2	IRS2	112.4516461	68.04461402	465.1778473	
329.9639787					
SUPT3H	SUPT3H	510.7178927	387.955859	688.3917856	
577.9083398					
KLF11	KLF11	803.560721	783.0208569	1048.212654	
940.8687163					
PKDREJ	PKDREJ	1.171371313	1.015591254	4.464278765	
7.542033798					
BTN3A2	BTN3A2	2579.359632	2097.19594	8649.986535	
7493.953332					
CPAMD8	CPAMD8	19.91331233	30.46773762	7.142846024	
3.771016899					
PIK3R2	PIK3R2	1418.530661	1783.378242	1583.03325	
1689.415571					
WIBG	WIBG	4057.63023	5412.085793	2372.317736	
2619.91399					
LSS	LSS	1957.361465	2007.823909	1885.71135	
2046.719422					
FAM104B	FAM104B	561.0868591	633.7289425	478.5706836	
483.6329173					
PDLIM7	PDLIM7	1085.861208	1024.731575	554.4634226	
796.6273199					
ZBTB16	ZBTB16	490.8045803	705.8359216	224.106794	
606.1909665					
IDH1	IDH1	2212.720411	2389.686221	1614.283201	
1860.99684					
CIDEB	CIDEB	1323.649584	1134.415431	1073.212615	
1508.40676					
CPNE7	CPNE7	424.0364155	140.1515931	143.7497762	
248.8871153					
ZSCAN26	ZSCAN26	605.5989691	764.7402143	1549.997587	
1537.632141					
DPF1	DPF1	12.88508445	20.31182508	16.07140355	
15.0840676					
CTXN1	CTXN1	9.370970508	5.07795627	0	0.942754225
NMRK1	NMRK1	2976.454508	1031.840714	1691.961652	
2585.032084					
P4HA2	P4HA2	557.5727452	749.5063455	191.0711311	
475.1481293					
SMN1	SMN1	986.2946459	1317.221857	1178.569594	

1169.957993				
PCBP4	PCBP4	579.8288002	408.2676841	200.8925444
434.6096976				
PIK3CB	PIK3CB	1513.411737	922.1568587	2111.603856
1751.63735				
DMAP1	DMAP1	2390.768851	3354.497912	2104.46101
2255.068106				
WDR6	WDR6	11072.97303	10643.39634	10749.09041
10864.29969				
AHSA1	AHSA1	9021.901856	11448.76021	9941.055954
8843.977382				
ENTPD3	ENTPD3	9.370970508	8.124730032	0 13.19855915
SEC22B	SEC22B	4990.041795	4311.184873	4342.850383
5060.704678				
HHEX	HHEX	28.11291152	25.38978135	8.035701777
2.828262674				
SRGN	SRGN	22133.06097	16515.54497	13441.94336
18204.58408				
DAG1	DAG1	735.6211849	401.1585454	437.499319
541.140925				
CMTM2	CMTM2	2.342742627	8.124730032	12.49998054
6.599279573				
UIMC1	UIMC1	1422.044775	1508.153012	1988.389762
1570.628538				
GNPAT	GNPAT	5029.86842	6051.908283	4659.814175
4564.815956				
ADK	ADK	4633.944916	5073.893905	2725.888614
4038.759099				
ANGPT1	ANGPT1	1.171371313	1.015591254	0.892855753
2.828262674				
PAFAH2	PAFAH2	1567.294817	2023.057778	1518.747636
1289.687779				
TESK1	TESK1	1138.572917	654.0407676	1166.962469
1086.995621				
TACC1	TACC1	12733.97755	10633.24043	8120.523074
10243.96741				
LRRN2	LRRN2	30.45565415	38.59246765	0 0
VRK2	VRK2	2376.712395	2494.29212	1869.639947
2272.980436				
RAB3GAP2	RAB3GAP2		4581.233207	3818.623115
3055.352387	3696.539315			
SLC22A18AS	SLC22A18AS		77.31050669	41.63924142
24.10710533	73.53482953			
IL4I1	IL4I1	1795.712224	2171.334101	2683.031538
4269.733884				
FDXR	FDXR	3083.049297	5524.816422	2884.816938
1601.739428				
PPP2R1B	PPP2R1B	7740.421639	9257.114281	4300.886162
5911.068989				
ZNF532	ZNF532	70.28227881	23.35859884	260.7138799

293.1965639				
EIF1AY	EIF1AY	5634.296018	0	0
SEC24B	SEC24B	3842.097908	3398.168336	3707.852366
4819.359597				4333.028969
CDRT1	CDRT1	45.68348122	3.046773762	20.53568232
2.828262674				
SYT9	SYT9	3.51411394	0	0
ZNF48	ZNF48	1925.734439	1679.787934	1341.069341
1557.429979				
NFKBIB	NFKBIB	2404.825307	2226.176029	1666.068835
1497.093709				
ABTB1	ABTB1	1801.56908	1276.598206	2753.567142
2111.769463				
CYB561D1	CYB561D1		920.6978524	609.3547524
1446.42632		1348.138541		
GPR146	GPR146	443.9497278	896.7670773	262.4995914
305.4523688				
GLCCI1	GLCCI1	2185.778871	1428.936894	2104.46101
2584.08933				
CABLES1	CABLES1	1397.445977	2454.684061	241.9639091
425.1821553				
TAS1R1	TAS1R1	1.171371313	8.124730032	0
KRR1	KRR1	4601.146519	4068.458564	7.542033798
4735.454471				3426.78038
CACYBP	CACYBP	19461.163	27959.22722	14632.12008
16089.98635				
OS9	OS9	5590.955279	4828.120822	4221.422
4065.156217				
CCDC150	CCDC150	267.0726595	182.8064257	109.8212576
77.30584643				
KREMEN1	KREMEN1	11.71371313	11.17150379	25.89281684
6.599279573				
IGF1	IGF1	32.79839678	46.71719769	18.74997081
16.02682182				
ZFYVE16	ZFYVE16	687.594961	477.3278894	654.463267
696.6953721				
CD6	CD6	23289.20445	21434.05342	25045.49673
27507.68277				
SMARCD1	SMARCD1	1500.526653	624.5886212	622.3204599
625.046051				
VAMP4	VAMP4	1754.714228	1486.825596	1933.925561
2110.826709				
VAMP8	VAMP8	5552.300026	8837.675093	5379.455912
4891.008918				
SLC4A4	SLC4A4	7.028227881	0	45.5356434
LCP1	LCP1	186987.1741	220844.3806	9.427542247
157001.5748				120040.8846
FARSA	FARSA	11118.65651	16978.65459	10019.62726
9859.323682				
DLGAP1-AS2	DLGAP1-AS2		10.54234182	22.34300759

18.74997081	26.39711829			
SNHG22 SNHG22	3.51411394	8.124730032	69.64274874	
58.45076193				
FAP FAP	0 0	2.678567259	2.828262674	
GOLGB1 GOLGB1	2742.180245	2559.28996	3199.995019	
3771.016899				
XKR5 XKR5	5.856856567	3.046773762	0 0.942754225	
MCOLN3 MCOLN3	46.85485254	34.53010264	10.71426904 0	
OGDH OGDH	7967.667674	4257.358537	2394.63913	
3178.967246				
RNF24 RNF24	723.9074717	1173.007898	1578.568971	
1506.521251				
DPP8 DPP8	3614.851873	3681.518296	3507.137398	
3387.315929				
MAP2K7 MAP2K7	230.7601488	43.67042392	62.49990271	
51.85148236				
IFT122 IFT122	1162.000343	1707.208898	1059.819779	
1082.28185				
CITED4 CITED4	29.28428284	173.6661044	550.8919996	
306.395123				
ZNF418 ZNF418	73.79639275	61.9510665	52.67848943	
118.7870323				
ZBED2 ZBED2	13799.92544	9016.419153	17063.3663	
28154.41217				
ZFP90 ZFP90	1290.851187	690.6020528	1628.568894	
2122.13976				
SLC25A38	SLC25A38	3384.091725	4850.463829	
4924.099478	3987.850371			
ASB6 ASB6	4410.212995	5885.351317	5326.777423	
4599.697862				
WNT2B WNT2B	1.171371313	0 16.07140355	8.484788022	
DHDDS DHDDS	2601.615687	3338.248452	2416.067668	
2506.783484				
FAM72D FAM72D	1218.226166	1133.39984	320.5352153	
842.8222769				
PTPRE PTPRE	1651.633552	1826.033075	1437.497762	
1716.755443				
DUSP23 DUSP23	781.3046661	1122.228336	1141.069652	
905.0440557				
LUC7L LUC7L	1255.710048	1505.106239	1666.068835	
1386.791465				
FLAD1 FLAD1	4206.394387	6781.102803	5084.813514	
4568.586973				
GPX1 GPX1	6733.04231	10825.18718	5005.349351	
4303.673036				
MOB3C MOB3C	1118.659604	1755.957278	2608.031655	
2608.60094				
MIR105-1	MIR105-1	1.171371313	0 0 0	
LHX1 LHX1	44.51210991	12.18709505	7.142846024	
1.885508449				

PHACTR1 PHACTR1	7.028227881	3.046773762	3.571423012	
11.3130507				
PTGER3 PTGER3	0 11.17150379	0	0	
BDH2 BDH2	969.8954475	994.2638377	843.7486866	
871.1049036				
8-Sep 8-Sep	479.0908672	516.9359483	333.0351959	
488.3466884				
METAP1 METAP1	3464.916345	3303.718349	3458.030331	
3300.582541				
TMEM74 TMEM74	1.171371313	1.015591254	11.60712479	0
TMEM130 TMEM130	0 4.062365016	0	0	
NIM1K NIM1K	21.08468364	25.38978135	9.821413283	
18.85508449				
RAD23A RAD23A	8991.446202	10850.57696	8919.628973	
8778.927341				
CTCFL CTCFL	0 0	1.785711506	0	
MARCKSL1	MARCKSL1	3402.833666	3218.408684	
2149.996653	1830.828704			
GPR34 GPR34	549.373146	332.0983401	84.82129654	
162.1537267				
MOV10L1 MOV10L1	1.171371313	0 0	0.942754225	
CDK2AP2 CDK2AP2	12190.46126	14488.42483	9308.914081	
9436.027035				
KIAA0895	KIAA0895	247.1593471	303.661785	
80.35701777	148.0124133			
PRSS8 PRSS8	2.342742627	0 4.464278765	3.771016899	
PRSS2 PRSS2	0 0	0 3.771016899		
CETN2 CETN2	718.0506152	825.6756895	641.9632864	
770.2302016				
SLBP SLBP	13102.95951	14772.79038	9410.699637	
10080.87092				
BRAF BRAF	564.6009731	337.1762963	638.3918634	
642.9583813				
BPHL BPHL	351.411394	568.7311023	529.4634615	
569.4235517				
DCSTAMP DCSTAMP	0 0	16.07140355	30.16813519	
ZNF670 ZNF670	240.1311193	269.1316823	655.3561227	
431.7814349				
MRPL54 MRPL54	1905.821127	3048.804945	1491.069108	
1082.28185				
CHST14 CHST14	182.7339249	80.23170907	43.7499319	
100.874702				
NOTCH1 NOTCH1	2766.779042	794.1923607	1356.247889	
1350.966804				
GDPD2 GDPD2	3.51411394	0 0	0	
1-Sep 1-Sep	15415.24649	14011.09694	6235.704579	
8996.703566				
PARD6B PARD6B	80.82462063	48.74838019	207.1425347	
237.5740646				
EXOSC7 EXOSC7	2496.192269	3307.780714	2428.567648	

2199.445606					
MIR4292	MIR4292	14.05645576	7.109138778	9.821413283	
2.828262674					
QSOX1	QSOX1	1085.861208	1016.606845	810.7130238	
932.3839282					
ALG11	ALG11	1413.845175	1538.62075	2019.639713	
2030.6926					
MEN1	MEN1	3774.158372	4608.753111	4116.065021	
4257.478079					
STAMBPL1	STAMBPL1		1398.617348	2526.79104	
2057.139655	2270.152173				
USP35	USP35	234.2742627	173.6661044	195.5354099	
165.9247436					
NELFCD	NELFCD	6613.562436	9093.604089	7199.095937	
7473.212739					
CDKN1A	CDKN1A	7943.068877	20304.71594	9096.414412	
6053.424877					
MAP2	MAP2	3.51411394	5.07795627	15.1785478	0
HNRNPU	HNRNPU	52682.42482	51696.6416	38491.01151	
49059.04435					
TSHR	TSHR	513.0606353	115.777403	48.21421066	
122.5580492					
EPGN	EPGN	8.199599194	11.17150379	13.3928363	0
PHF19	PHF19	8707.974344	8742.209515	2183.925172	
2695.334328					
NTMT1	NTMT1	2619.186257	3906.979554	3437.494649	
2785.838734					
UBL7	UBL7	5494.902831	6972.033959	4480.350169	
4113.236682					
BLOC1S5	BLOC1S5	1905.821127	2080.94648	2266.960757	
2464.359543					
SSC5D	SSC5D	3.51411394	3.046773762	3.571423012	
12.25580492					
IFIT5	IFIT5	1741.829143	1783.378242	7704.452293	
5139.896033					
INMT	INMT	1.171371313	4.062365016	8.035701777	
2.828262674					
DDX18	DDX18	4160.710905	5252.637966	7347.309992	
6665.272369					
NCAM2	NCAM2	0	1.785711506	0	
NDUFA1	NDUFA1	10400.60589	10680.97322	7864.273473	
7954.017394					
KRT17	KRT17	11.71371313	37.5768764	64.28561422	
7.542033798					
COX6C	COX6C	15209.08513	14107.57811	9646.413556	
10955.74685					
ADAR	ADAR	37843.49302	26994.41553	42873.14755	
37250.10493					
SLC15A2	SLC15A2	63.25405093	40.62365016	11.60712479	
19.79783872					

CLDN9	CLDN9	0	13.2026863	0	0
COQ2	COQ2	1098.746292	1008.482115	972.319915	
		1133.190578			
SGSM3	SGSM3	3823.355967	3869.402678	3358.923343	
		4596.8696			
ADAMTS7	ADAMTS7	0	8.124730032	0.892855753	0
SLC38A4	SLC38A4	1.171371313	0	0	0
H1F0	H1F0	327.9839678	152.3386881	650.891844	
		285.6545301			
GZMM	GZMM	999.1797304	789.1144044	758.9273901	
		789.0852861			
GRPR	GRPR	0	2.031182508	0	8.484788022
PDIA3	PDIA3	25069.68885	27174.17518	40862.43639	
		34861.16572			
CYSLTR2	CYSLTR2	49.19759517	32.49892013	163.3926028	
		131.0428372			
ATG13	ATG13	7900.899509	9385.078779	9351.771157	
		8511.185141			
SBN02	SBN02	1978.446148	289.4435074	581.2490952	
		849.4215565			
SLC8A2	SLC8A2	0	0	2.678567259	0
EBP	EBP	8403.417803	16244.38211	5142.849137	
		5524.539757			
GNA13	GNA13	9180.036984	5846.75885	7542.845402	
		7933.276801			
FARS2	FARS2	1717.230346	1673.694387	1067.855481	
		1611.16697			
SKIL	SKIL	952.3248778	580.9181973	1634.818884	
		1161.473205			
PALM3	PALM3	0	4.062365016	0	1.885508449
CLTCL1	CLTCL1	43.3407386	35.54569389	52.67848943	
		83.905126			
CD9	CD9	1730.11543	1850.407265	804.4630335	
		1169.957993			
ST3GAL2	ST3GAL2	2745.694359	2134.772816	2141.068096	
		1721.469214			
USP11	USP11	3750.730946	3788.155378	11447.30361	
		7553.346848			
PNPLA4	PNPLA4	333.8408243	671.3058189	549.9991439	
		282.8262674			
PRH2	PRH2	1.171371313	1.015591254	0	0
HIST1H3I	HIST1H3I		69.11090749	38.59246765	
		24.10710533			
HIST1H3E	HIST1H3E	14.14131337	29.28428284	47.73278894	
		40.17850889			
JMJD4	JMJD4	2041.700199	2423.200732	2754.459998	
		2230.556496			
MCPH1	MCPH1	2026.472372	1966.184668	2006.246877	
		2181.533276			
MYD88	MYD88	13084.21757	17112.71263	12899.08706	

12349.13759					
CASP10	CASP10	1328.335069	1928.607791	1152.676777	
708.0084228					
TEC	TEC	35.1411394	37.5768764	434.8207517	
137.6421168					
SECISBP2	SECISBP2		2046.385685	1826.033075	
3342.851939		3220.448432			
SEPP1	SEPP1	85.51010588	30.46773762	77.67845051	
188.5508449					
EWSR1	EWSR1	43327.85351	55850.40983	35155.30242	
35550.31906					
DNAJC5B	DNAJC5B	5.856856567	5.07795627	7.142846024	
5.656525348					
EYA2	EYA2	1.171371313	11.17150379	0	0
FCGR3A	FCGR3A	7.028227881	1.015591254	0	0
ULK4P2	ULK4P2	0	1.015591254	0	0
TMP0-AS1	TMP0-AS1		2718.752819	3204.190407	
1466.069146		1617.76625			
TUBBP5	TUBBP5	0	2.031182508	0	0
INTS4L2	INTS4L2	2.342742627	13.2026863	1.785711506	
17.91233027					
SMG1P1	SMG1P1	588.0283994	457.0160643	508.9277792	
627.8743137					
RPL21P44	RPL21P44		7.028227881	1.015591254	
18.74997081		40.53843166			
PRR26	PRR26	0	0	0.892855753	0
LINC00469	LINC00469		7.028227881	0	16.07140355
		6.599279573			
SLC7A2	SLC7A2	0	0	0.892855753	1.885508449
ECE1	ECE1	6791.610875	6390.10017	6782.1323	
6598.336819					
SLFN14	SLFN14	9.370970508	7.109138778	5.357134518	
4.713771124					
PTCH1	PTCH1	40.99799597	20.31182508	249.9996108	
190.4363534					
ABLIM2	ABLIM2	11.71371313	13.2026863	87.4998638	
52.79423658					
LTB4R2	LTB4R2	367.8105924	297.5682374	290.1781197	
369.5596561					
PRKACA	PRKACA	256.5303176	175.697287	130.3569399	
170.6385147					
SORT1	SORT1	117.1371313	299.5994199	67.85703723	
36.76741476					
RAB27A	RAB27A	9533.79112	4719.452558	3259.816354	
4947.574171					
FIG4	FIG4	2191.635727	2241.409898	1834.818572	
2006.18099					
SPIN2B	SPIN2B	203.8186085	214.2897546	151.785478	
211.1769463					
LRRC66	LRRC66	1.171371313	5.07795627	0	13.19855915

C1orf53	C1orf53	28.11291152	44.68601518	50.89277792
13.19855915				
MAGIX	MAGIX	22.25605496	73.12257029	67.85703723
42.42394011				
ZNF285	ZNF285	76.13913537	74.13816155	123.2140939
113.130507				
CPT1C	CPT1C	7.028227881	13.2026863	24.10710533
21.68334717				
AXL	AXL	3.51411394	8.124730032	239.2853418
56.56525348				
OPN1SW	OPN1SW	19.91331233	96.48116913	182.1425736
12.25580492				
EIF4A2	EIF4A2	4481.666645	4117.206944	15340.15469
12340.6528				
ERCC3	ERCC3	5252.42897	6555.641545	5729.455367
5409.523741				
ATP1B2	ATP1B2	5.856856567	1.015591254	16.07140355
1.885508449				
LOC101928784	LOC101928784		327.9839678	168.5881482
343.7494649	564.7097806			
FGF17	FGF17	0	16.96425931	0
FGF18	FGF18	7.028227881	3.046773762	0
DPM1	DPM1	3509.428455	3297.624802	14.14131337
3673.913214				3259.816354
SYTL3	SYTL3	2280.659947	2736.002838	2341.067784
3226.104957				
RPRD1B	RPRD1B	2287.688175	2322.657198	1826.782871
2412.508061				
HPS5	HPS5	3017.452503	3892.761277	3747.315595
3194.051313				
MRPS18A	MRPS18A	3733.160376	5385.68042	3486.601716
3608.863172				
RSPH9	RSPH9	33.96976809	47.73278894	60.71419121
33.93915209				
TMEM254-AS1	TMEM254-AS1		113.6230174	163.5101919
387.4993968	169.6957604			
CEP85L	CEP85L	1158.486229	991.217064	1754.461555
1698.843113				
UBA5	UBA5	4301.275463	4884.993932	3161.602221
3811.555331				
ARID5B	ARID5B	4747.567933	3994.320402	4188.386337
5325.618615				
ITIH1	ITIH1	0	2.678567259	0
C7orf50	C7orf50	2093.240537	3837.919349	4413.385987
2798.094539				
RCL1	RCL1	2157.665959	2329.766337	1815.175746
2228.670987				
HMGCR	HMGCR	3645.307527	3620.582821	3869.636834
3999.163421				
DPYD	DPYD	2321.657943	3390.043606	2717.852912

2561.463229				
TPI1	TPI1	65466.77134	111434.7348	59673.1214
62805.3437				
ADAL	ADAL	620.8267961	800.2859082	783.0344954
766.4591847				
CERKL	CERKL	4337.587974	2560.305551	599.1062103
1358.508838				
NR3C1	NR3C1	3289.210648	2657.802312	7958.916183
8079.403706				
ZNF185	ZNF185	176.8770683	184.8376082	223.2139383
160.2682182				
LYRM7	LYRM7	1620.006527	1385.266471	1827.675726
2106.112938				
ATG4B	ATG4B	4708.91268	5751.293272	4406.243141
4121.72147				
MAPK1	MAPK1	9126.153903	7585.451077	9073.200162
9330.438562				
LOC728819	LOC728819	0	2.031182508	44.64278765
0				
LOC101927151	LOC101927151	503.6896648	269.1316823	
327.6780614	558.110501			
TCERG1	TCERG1	7683.024445	8373.54989	6371.418654
7024.461728				
NFATC3	NFATC3	17189.87403	16810.06644	9376.771118
10785.10833				
ADCYAP1R1	ADCYAP1R1	0	1.015591254	0
0				0
SLC28A3	SLC28A3	206.1613512	84.29407409	104.4641231
58.45076193				
WDR87	WDR87	0	0	0.892855753
0				0
MIER1	MIER1	3324.351788	2427.263097	4917.849488
4443.200661				
COG2	COG2	2561.789063	3089.428595	2975.888225
2727.387972				
VNN2	VNN2	415.8368163	277.2564124	1203.569555
905.98681				
LAMP5	LAMP5	0	0	9.427542247
0				
SLC7A8	SLC7A8	3.51411394	26.40537261	79.46416202
32.99639787				
DCC	DCC	1.171371313	0	0
0				
CTLA4	CTLA4	8661.119492	11255.79787	3360.709054
8414.081456				
CSTA	CSTA	0	0	3.771016899
0				
CTTN	CTTN	131.1935871	52.81074521	310.7138021
252.6581322				
DNAJB5	DNAJB5	349.0686514	352.4101652	640.1775749
369.5596561				
BIRC2	BIRC2	2749.208473	1920.483061	3208.030721
3414.655802				
BIRC3	BIRC3	9855.918231	9070.24549	9704.44918
12367.99267				

DHPS	DHPS	3562.140164	4089.78598	6088.38338
4685.488497				
MX2	MX2	1998.359461	1458.389041	5220.527588
3511.759487				
AGFG1	AGFG1	7314.042481	7604.74731	7369.631386
7527.892484				
C11orf91	C11orf91		5.856856567	10.15591254
4.464278765		1.885508449		
AR	AR	2.342742627	1.015591254	3.571423012
0.942754225				
CDKN1C	CDKN1C	14.05645576	5.07795627	32.14280711
20.74059294				
CD36	CD36	0	0	11.60712479
ACSL3	ACSL3	3237.67031	3607.380134	4851.778162
4409.261509				
RAPH1	RAPH1	46.85485254	38.59246765	28.5713841
162.1537267				
CTAGE5	CTAGE5	2439.966446	2340.937841	2806.245632
2786.781488				
EEF1D	EEF1D	8264.024616	10058.41578	11754.44599
9387.94657				
NASP	NASP	11188.93879	10996.8221	7358.024261
9751.8497				
TUBD1	TUBD1	814.1030629	866.2993397	1402.676388
1055.884732				
CSRP1	CSRP1	6219.981674	7657.558056	3322.316257
4041.587361				
ENY2	ENY2	4609.346118	4777.341259	3410.708977
3949.197447				
KLRD1	KLRD1	46.85485254	266.0849086	380.3565508
64.10728728				
LGALS1	LGALS1	16843.14812	21075.5497	3221.423557
5477.402046				
RPSA	RPSA	15609.69412	18418.76298	15180.33351
15319.75615				
NPR3	NPR3	0	3.046773762	0
LY86	LY86	30.45565415	29.45214637	75.89273901
19.79783872				
MED17	MED17	3042.051301	3511.914557	4360.707498
4036.87359				
CHST2	CHST2	1962.04695	3357.544686	693.7489201
977.636131				
FADS2	FADS2	156.963756	177.7284695	75.89273901
131.9855915				
SETMAR	SETMAR	612.6271969	823.644507	604.4633448
661.8134658				
SYNGR3	SYNGR3	878.5284851	719.0386079	464.2849916
848.4788022				
NEURL1	NEURL1	240.1311193	40.62365016	115.1783921
236.6313104				

RPP38	RPP38	1222.911651	1534.558385	1816.961457
1779.919976				
RPP30	RPP30	2807.777038	2928.965177	2564.281723
3072.436018				
MATN2	MATN2	73.79639275	5.07795627	8.92855753
70.70656685				
SCAMP1	SCAMP1	957.0103631	1077.542321	1631.247461
1572.514047				
CD83	CD83	1179.570913	3103.646872	4833.921047
3092.233857				
HLA-DPB1	HLA-DPB1		101.9093043	1239.02133
906.2485893	80.1341091			
S1PR2	S1PR2	488.4618377	257.9601785	288.3924082
390.300249				
FOXJ3	FOXJ3	3347.779214	2339.922249	4291.064749
4705.286336				
LAMP2	LAMP2	9968.369878	11502.58654	11226.76824
9325.724791				
CTCF	CTCF	4869.39055	5350.134726	5036.599303
4507.307948				
FAM109A	FAM109A	107.7661608	110.6994467	155.356901
77.30584643				
GNE	GNE	1116.316862	653.0251764	739.2845635
903.1585473				
HELQ	HELQ	1097.574921	982.0767427	1928.568427
1595.140148				
GST01	GST01	5955.251758	10199.58296	5933.026479
5490.600605				
LTA	LTA	1.171371313	7.109138778	1.785711506
2.828262674				
FXYD6	FXYD6	0	0	15.0840676
FANCD20S	FANCD20S		183.9052962	149.2919143
84.82129654	110.3022443			
CD300E	CD300E	0	1.785711506	0
CCHCR1	CCHCR1	144.0786716	79.21611782	96.42842133
77.30584643				
BZRAP1	BZRAP1	326.8125965	159.4478269	225.8925055
136.6993626				
ATP2A3	ATP2A3	12929.59656	7112.185552	3241.959239
4139.633801				
FAM129C	FAM129C	0	4.464278765	23.56885562
DSN1	DSN1	3363.007041	3744.484954	2074.103914
2437.962425				
PIGX	PIGX	4968.957112	4754.998251	2248.210786
3137.48606				
PLIN1	PLIN1	0	28.5713841	12.25580492
PLD3	PLD3	2382.569252	2465.855565	2853.566987
2160.792683				
SHB	SHB	17.5705697	28.43655511	57.14276819
42.42394011				

SRSF3	SRSF3	25354.33208	26314.98498	22832.10732
22796.73991				
RGPD5	RGPD5	214.3609504	255.928996	320.5352153
263.0284287				
CBX3	CBX3	11760.56799	13410.88251	8857.12907
12172.84255				
SEBOX	SEBOX	0	2.678567259	2.828262674
0				
SLC35B3	SLC35B3	974.5809328	1127.306292	1291.962275
1127.534053				
ENTPD4	ENTPD4	3254.069509	2323.672789	3540.173061
3624.889994				
NFASC	NFASC	0	0	15.0840676
0				
ZNF668	ZNF668	1082.347094	1536.589567	1210.712401
962.5520634				
RAB40C	RAB40C	1096.403549	1209.569184	1217.855247
1211.439179				
ZFP62	ZFP62	776.6191808	508.8112183	1008.034145
1153.931171				
PRR29	PRR29	3427.432463	5595.90781	6051.776294
4419.631805				
NE01	NE01	435.7501286	233.5859884	581.2490952
452.5220279				
WDR46	WDR46	387.7239048	13.2026863	8.92855753
607.1337207				
SMOC2	SMOC2	0	10.71426904	0
0				
CMIP	CMIP	52.71170911	28.43655511	43.7499319
31.11088942				
FLNB	FLNB	9641.557281	6075.266882	2383.924861
2180.590522				
KCTD7	KCTD7	1547.381505	1211.600366	1441.962041
1303.829093				
BARX2	BARX2	3.51411394	4.062365016	0
0				
OXA1L	OXA1L	4218.1081	4735.702018	3910.708198
3946.369185				
HDAC9	HDAC9	35.1411394	12.18709505	232.1424958
212.1197006				
FAM213B	FAM213B	1988.98849	2174.380875	1829.461438
2076.887557				
CHRN3	CHRN3	2.342742627	4.062365016	0
0				
IFRD2	IFRD2	4985.35631	8197.852603	0.942754225
5943.122633				
DUSP11	DUSP11	3174.416259	3943.540839	6349.990116
4167.916427				
DYRK2	DYRK2	2279.488576	1368.001419	4088.386493
3987.850371				
CDC16	CDC16	2599.272945	1938.763704	5486.598602
2184.361539				
UGT3A2	UGT3A2	9.370970508	1.015591254	1855.354255
2.828262674				
FRS2	FRS2	527.1170911	262.0225435	16.96425931
				739.2845635

1012.518037					
STRN3 STRN3	685.2522184	437.7198305	466.0707031		
582.6221109					
FOXM1 FOXM1	6769.35482	5169.359483	1441.069185		
2720.788693					
SLC35E2B	SLC35E2B	3945.178584	2176.412057		
3036.602416	3267.586143				
WDR83 WDR83	4384.442826	5689.342205	5461.598641		
4836.329173					
SULT1A4 SULT1A4	18.74194102	6.093547524	14.28569205		
17.91233027					
ANXA2 ANXA2	39847.70934	61988.64337	12816.05148		
18456.29946					
FCH02 FCH02	46.85485254	30.46773762	129.4640842		
171.5812689					
NKRF NKRF	851.5869449	581.9337886	760.7131016		
611.8474918					
GYS1 GYS1	5192.689033	6620.639385	3345.530507		
3425.968853					
MID1 MID1	0 9.140321286	0.892855753	0		
SYT2 SYT2	10.54234182	2.031182508	0 23.56885562		
POMC POMC	119.479874	56.87311023	187.4997081		
230.0320308					
SCNN1A SCNN1A	11.71371313	25.38978135	23.21424958		
4.713771124					
GREB1 GREB1	3.51411394	17.26505132	32.14280711		
11.3130507					
STRIP1 STRIP1	3128.732778	3491.602731	5174.991945		
4157.546131					
FARSB FARSB	7460.463895	10234.11307	5975.883555		
6449.381651					
PIP4K2B PIP4K2B	2116.667963	1261.364338	1937.496984		
2047.662176					
ABCC5 ABCC5	1044.863212	964.8116913	831.2487061		
850.3643107					
PRSS57 PRSS57	0 5.07795627	3.571423012	0		
KCNMB2 KCNMB2	0 0	1.785711506	0		
MAD1L1 MAD1L1	2324.000686	3520.039287	2765.174267		
1991.096923					
RPS18 RPS18	15.22782708	0 3.571423012	13.19855915		
LAMB1 LAMB1	16.39919839	5.07795627	24.99996108		
3.771016899					
CASC11 CASC11	3.51411394	0 16.96425931	1.885508449		
LIPT1 LIPT1	195.6190093	166.5569657	795.5344759		
565.6525348					
BSCL2 BSCL2	2794.891954	3496.680688	2629.460193		
2285.236241					
NOL10 NOL10	2982.311364	3379.887693	2675.888692		
2986.645384					
LINC00511	LINC00511	11.71371313	4.062365016	0	

TSN	TSN	8254.653646	9986.308801	8709.807871
8094.487773				
FAM95A	FAM95A	3.51411394	0	0
SLC43A1	SLC43A1	887.8994556	1142.540161	685.7132183
989.891936				
NFYA	NFYA	2179.922014	1857.516404	2491.960407
2294.663783				
TERT	TERT	160.4778699	30.46773762	11.60712479
63.16453306				
CDCA7	CDCA7	9402.597533	7419.909702	1374.99786
3345.834744				
ZNF655	ZNF655	4986.527681	4614.846658	5232.134713
4926.833578				
IQSEC1	IQSEC1	2865.174233	1725.489541	1158.926767
1838.370738				
JAKMIP1	JAKMIP1	2210.377669	1969.231442	584.8205182
1280.260237				
ISLR2	ISLR2	0	10.15591254	0
FASTKD2	FASTKD2	3273.982821	4544.770862	4057.136542
4415.860789				
CCDC124	CCDC124	3149.817462	4965.225641	2758.924277
2354.057299				
SUCLG2	SUCLG2	3371.20664	3910.026328	3302.67343
4040.644607				
ZNF549	ZNF549	599.7421125	503.733262	1320.533659
1404.703795				
ALCAM	ALCAM	948.8107639	1282.691754	1071.426904
1165.244222				
PI3	PI3	0	1.015591254	0
HIVEP3	HIVEP3	2049.899799	1458.389041	904.4628778
1341.539262				
RIC1	RIC1	2503.220497	1392.375609	978.5699053
1880.794678				
WDFY1	WDFY1	5797.11663	4578.285373	6117.84762
6841.567409				
LMBRD2	LMBRD2	1177.22817	889.6579385	1098.212576
1052.113715				
COLQ	COLQ	32.79839678	27.42096386	99.10698859
134.8138541				
RHPN2	RHPN2	29.28428284	63.98224901	102.6784116
15.0840676				
MAGI1	MAGI1	57.39719436	41.63924142	14.28569205
16.02682182				
GBA3	GBA3	1.171371313	0	6.599279573
MAP3K1	MAP3K1	7686.538559	6053.939465	8106.237382
7905.936928				
SEC11A	SEC11A	6713.128997	7183.27694	4403.564574
5018.280738				
RBM6	RBM6	4077.543542	3445.901125	4574.992879

4901.379214					
ITGB3BP	ITGB3BP	1671.546864	1192.304132	701.7846219	
1214.267441					
CNST	CNST	3601.966789	3886.667729	5198.206194	
3925.628592					
SRA1	SRA1	4649.172743	7733.7274	4141.957838	
3408.999277					
RABGAP1L	RABGAP1L		4902.188947	4008.53868	
4710.706953		5369.928064			
RPL14	RPL14	7166.449696	6837.975914	9809.806159	
9387.94657					
ART3	ART3	35.1411394	16.24946006	13.3928363	
46.19495701					
TMEM132C	TMEM132C		11.71371313	0	0
ATL2	ATL2	2723.438304	2708.581875	3215.173567	0
3016.813519					
MLLT10	MLLT10	588.0283994	217.3365284	634.8204404	
510.9727898					
TSEN2	TSEN2	549.373146	682.4773227	957.1413672	
1094.537655					
PACSIN1	PACSIN1	29.28428284	26.40537261	4.464278765	
21.68334717					
TTC8	TTC8	118.3085027	132.026863	247.3210436	
217.7762259					
AFTPH	AFTPH	3234.156196	2676.082954	2852.674131	
3172.367966					
MGST3	MGST3	1659.833151	1027.778349	2023.211136	
2678.364752					
MEOX1	MEOX1	59.73993699	301.6306025	116.9641036	
87.6761429					
TRIM68	TRIM68	1348.248382	1573.150853	2125.889548	
1806.317095					
PTPR0	PTPR0	139.3931863	427.563918	981.2484726	
239.4595731					
SLC39A3	SLC39A3	2386.083366	3157.473209	2236.603661	
1804.431586					
NOP9	NOP9	1561.437961	1115.119197	1038.391241	
1566.857521					
ZBTB7B	ZBTB7B	1917.53484	854.1122447	433.927896	
705.1801601					
DBT	DBT	1180.742284	924.1880412	1180.355306	
1281.202991					
HSPA9	HSPA9	24129.07769	29643.07752	32881.19882	
29739.18202					
CNTN4	CNTN4	0	0	1.885508449	
MY05B	MY05B	22.25605496	18.28064257	13.3928363	
15.0840676					
DAXX	DAXX	133.5363297	108.6682642	91.07128681	
159.325464					
MLST8	MLST8	2765.607671	3608.395726	2378.567726	

2118.368743				
MGAT5B	MGAT5B	169.8488405	132.026863	108.0355461
89.56165135				
CSAG3	CSAG3	3.51411394	4.062365016	1.785711506
1.885508449				
CCDC42B	CCDC42B	856.2724301	1067.386408	1011.605568
1039.85791				
ZFYVE19	ZFYVE19	1457.185914	1918.451879	1382.140706
1549.887945				
TMPRSS13	TMPRSS13		79.65324932	39.60805891
63.39275847	81.07686333			
INS-IGF2	INS-IGF2		0	2.031182508
				14.28569205
30.16813519				
DRP2	DRP2	33.96976809	26.40537261	30.3570956
36.76741476				
CENPL	CENPL	1814.454165	1989.543267	915.1771469
1341.539262				
CX3CR1	CX3CR1	289.3287144	539.2789559	106.2498346
37.71016899				
PDIA6	PDIA6	23411.02707	28774.747	15822.2968
20949.88438				
SPNS1	SPNS1	2675.41208	3947.603204	3374.994746
2564.291491				
CEP63	CEP63	829.3308899	775.9117181	1214.283824
1233.122526				
SNCA	SNCA	73.79639275	103.5903079	48.21421066
63.16453306				
CDHR1	CDHR1	0	0	0.892855753
GUF1	GUF1	2229.11961	2499.370076	1725.890171
1992.039677				
POLR1A	POLR1A	2055.756655	1038.949853	1115.176836
1202.011637				
DLL3	DLL3	62.08267961	67.02902277	73.21417175
30.16813519				
LGSN	LGSN	0	0	12.49998054
SETDB1	SETDB1	1732.458173	1353.783142	1849.99712
1876.080907				
MAPRE1	MAPRE1	12598.09848	13348.93144	8817.843417
10151.57749				
COA4	COA4	2496.192269	3198.096859	2071.425347
2519.982043				
PCDHGA4	PCDHGA4	7.028227881	14.21827756	39.28565313
12.25580492				
LSM5	LSM5	5267.656797	4659.532674	4040.172282
4211.283122				
SCAND1	SCAND1	2601.615687	3472.306498	2832.138449
2100.456413				
PSMC3IP	PSMC3IP	1704.345261	2173.365284	1540.176174
1552.716208				
ANKMY1	ANKMY1	230.7601488	295.5370549	690.1774971

664.6417284					
KLHL3	KLHL3	108.9375322	52.81074521	305.3566675	
182.8943196					
ZNF227	ZNF227	1557.923847	1460.420223	1480.354839	
1915.676585					
LETM1	LETM1	4547.263439	5096.236913	2924.995447	
3338.29271					
LDOC1	LDOC1	577.4860575	375.768764	404.4636561	
651.4431693					
LPHN2	LPHN2	0	0	19.79783872	
KIR2DS4	KIR2DS4	1.171371313	0	0	18.85508449
GPR83	GPR83	8.199599194	3.046773762	0	1.885508449
KIF4A	KIF4A	3737.845861	4144.627908	1065.176913	
1753.522858					
HNRNPC	HNRNPC	48985.57696	64927.76446	48672.24566	
46732.32692					
LAIR1	LAIR1	3749.559574	5140.922928	1081.248317	
1159.587696					
TICAM2	TICAM2	298.6996849	353.4257564	323.2137826	
272.4559709					
C5orf30	C5orf30	1981.960262	1675.725569	716.0703139	
816.4251586					
WDR63	WDR63	46.85485254	24.3741901	41.07136464	0
ZNF383	ZNF383	309.2420268	318.8956538	899.1057433	
668.4127453					
CLDN23	CLDN23	3.51411394	0	0	0
PXDNL	PXDNL	0	1.015591254	3.571423012	5.656525348
TMEM71	TMEM71	1875.365473	982.0767427	1316.962236	
1498.036463					
ZFAND2A	ZFAND2A	986.2946459	965.8272826	1335.712207	
1023.831088					
IFI27L1	IFI27L1	983.9519033	545.3725034	351.7851667	
644.8438897					
GNL3	GNL3	7646.711934	8889.470247	9388.378243	
10166.66156					
RNF168	RNF168	2335.714399	1744.785774	2539.281762	
2283.350732					
CCM2	CCM2	9992.968675	13187.45243	5331.241701	
5481.173062					
C7orf31	C7orf31	188.5907815	141.1671843	283.9281295	
208.3486837					
SLC9B1	SLC9B1	1389.246378	1849.391674	1161.605335	
1045.514435					
FAM160A2	FAM160A2		894.9276835	526.0762696	
943.748531					
MID1IP1	MID1IP1	2345.08537	1756.97287	2386.603428	
1691.301079					
METAP1D	METAP1D	104.2520469	137.1048193	154.4640453	
171.5812689					
RPL13	RPL13	20064.41923	28429.44597	30649.95229	

24033.63345					
LINC01119	LINC01119		5.856856567		8.124730032
15.1785478	2.828262674				
KIAA0930	KIAA0930		347.8972801		198.0402945
262.4995914	328.0784702				
PHF21A PHF21A	1853.109418		1460.420223		1689.283085
1449.013243					
TDRKH TDRKH	1767.599312		1924.545426		2460.710455
2165.506454					
BZRAP1-AS1	BZRAP1-AS1		6656.903174		4848.432647
3230.352114	4257.478079				
MTA3 MTA3	1277.966103		898.7982598		1001.784155
1045.514435					
STMN4 STMN4	0 0		14.28569205		2.828262674
SS18 SS18	8555.696074		8660.962215		7861.594905
8765.728781					
CLEC12A CLEC12A	1.171371313		1.015591254	0	4.713771124
HIST3H2BB	HIST3H2BB		19.91331233		14.21827756
22.32139383	7.542033798				
HIST4H4 HIST4H4	64.42542224		26.40537261		88.39271955
49.96597391					
ADSSL1 ADSSL1	17.5705697		38.59246765		189.2854196
110.3022443					
SYS1 SYS1	1628.206126		2099.227122		2384.817716
2000.524465					
PTCD2 PTCD2	445.1210991		449.9069255		408.9279349
460.0640617					
SCN11A SCN11A	9.370970508		5.07795627		8.035701777
2.828262674					
FKRP FKRP	778.9619235		470.2187506		644.6418537
446.8655025					
STRN4 STRN4	4608.174747		4587.425695		3679.458558
3195.936822					
FAM76A FAM76A	504.8610361		365.6128515		452.6778668
527.9423658					
MIR4761 MIR4761	825.816776		1378.157332		819.6415813
905.0440557					
MIR4758 MIR4758	2.342742627	0 0 0			
MIR4757 MIR4757	0 2.031182508	0 0			
LINC00332	LINC00332	0	5.07795627		19.64282657
	2.828262674				
SNX22 SNX22	16326.57337		25409.07759		15699.97556
13809.46388					
VPS51 VPS51	4983.013567		6739.463562		6207.133195
4960.77273					
PSMA8 PSMA8	79.65324932		57.88870148		123.2140939
134.8138541					
SPINK5 SPINK5	4.685485254	0 0 0			
NQ01 NQ01	3917.065672		6101.672254		1453.569166
1627.193792					

PHACTR4 PHACTR4	2033.5006	1939.779295	1793.747208
2032.578108			
CSK CSK	9786.807324	7541.780653	3673.208568
4521.449262			
MY07A MY07A	52.71170911	26.40537261	41.96422039
66.93554995			
TMEM70 TMEM70	3100.619867	3320.983401	2728.567181
2517.15378			
C5orf49 C5orf49	1.171371313	2.031182508	0 0.942754225
CDC25B CDC25B	7715.822842	6283.463089	2669.638702
3046.0389			
GNA15 GNA15	2704.696363	2906.622169	745.5345538
1318.91316			
FAM219B FAM219B	1847.252561	1543.698706	1788.390073
2088.200608			
LOC100499489 LOC100499489		67.93953618	54.84192772
239.2853418	217.7762259		
UBAC2-AS1 UBAC2-AS1		107.7661608	113.7462205
202.6782559	188.5508449		
LOC100499484-C90RF174 LOC100499484-C90RF174			118.3085027
87.34084785	172.3211603	176.29504	
ZNF226 ZNF226	1014.407557	520.9983133	1191.96243
1221.809475			
G6PD G6PD	812.9316915	224.4456671	176.7854391
177.2377942			
ABI1 ABI1	12454.0198	10583.47646	9222.307073
11161.26727			
ZIC4 ZIC4	0 0	1.785711506	2.828262674
SMG7 SMG7	6778.725791	5545.128247	3683.922837
4867.440062			
OSBPL10 OSBPL10	173.3629544	138.1204106	176.7854391
65.05004151			
CENPO CENPO	3230.642083	2874.123249	1242.855208
1523.490827			
ADORA2A ADORA2A	2654.327396	3021.383981	2954.459687
3596.607367			
ADH5 ADH5	7162.935582	7492.016681	5193.741915
5526.425265			
MTHFSD MTHFSD	1063.605153	1019.653619	1056.248356
983.2926564			
RNF103 RNF103	1136.230174	1121.212744	1665.175979
1466.925574			
LTBP2 LTBP2	14.05645576	6.093547524	39.28565313
12.25580492			
CLEC3B CLEC3B	1.171371313	6.093547524	10.71426904
8.484788022			
AURKC AURKC	9.370970508	22.34300759	8.92855753
23.56885562			
GAB1 GAB1	9.370970508	3.046773762	0 15.0840676
ATP6V0E1 ATP6V0E1		8006.322927	10736.83074

10745.51899	9378.519027				
OPN1MW OPN1MW	0	3.046773762	0	0	
KITLG KITLG	4.685485254	8.124730032	60.71419121	0	
ZNF202 ZNF202	844.558717	918.0944937	1623.211759		
1265.17617					
MYOT MYOT	43.3407386	33.51451138	21.42853807		
29.22538097					
TRAF5 TRAF5	4426.612194	2791.860357	2084.818183		
3548.526902					
RAPGEF6 RAPGEF6	5389.479413	3065.054405	5794.633837		
6858.536985					
C6orf47 C6orf47	0	1.015591254	0	0	
MIR4435-1HG MIR4435-1HG		4997.070023	2319.610424		
442.8564535	1607.395953				
TTC26 TTC26	713.3651299	682.4773227	512.4992022		
677.8402876					
FBLL1 FBLL1	5.856856567	1.015591254	0	0	
LINC01135 LINC01135		8.199599194	11.17150379		
33.92851862	16.96957604				
PPP4R1L PPP4R1L	377.1815629	425.5327354	403.5708004		
219.6617344					
PRRT4 PRRT4	4.685485254	0	2.678567259	1.885508449	
SPTAN1 SPTAN1	16587.78917	8352.222473	8073.201719		
10993.45701					
C2orf74 C2orf74	645.4255937	597.1676574	672.320382		
821.1389297					
CAMK2G CAMK2G	364.2964785	170.6193307	341.9637534		
348.8190631					
CAMK2D CAMK2D	3305.609847	1879.859411	2172.318047		
3194.051313					
MXD1 MXD1	1671.546864	1054.183722	867.8557919		
1121.877527					
M6PR M6PR	9080.470422	11678.28383	13862.47842		
12987.3822					
EPCAM EPCAM	0	8.124730032	16.96425931	7.542033798	
SH2D1A SH2D1A	11622.34617	10247.31575	5339.277403		
6516.317201					
LYN LYN	262.3871742	210.2273896	133.0355072		
242.2878358					
GTF2B GTF2B	3665.22084	4118.222535	4505.35013		
3908.659016					
CDK7 CDK7	2854.631891	3841.981714	2541.960329		
2387.053697					
CENPB CENPB	243.6452332	90.38762161	138.3926417		
123.5008034					
TGM4 TGM4	4.685485254	1.015591254	0	3.771016899	
GHITM GHITM	25827.56609	36022.00619	30395.4884		
25366.68792					
GPR64 GPR64	1.171371313	0	6.249990271	6.599279573	
TRIM6-TRIM34 TRIM6-TRIM34		993.3228738	976.9987864		

1051.784077	1117.163756			
DDX11L2 DDX11L2	42.16936728	153.3542794	125.8926612	
20.74059294				
MCRS1 MCRS1	5609.69722	6657.20067	5107.134907	
4050.072149				
CDK5RAP1	CDK5RAP1	2818.31938	3828.779028	
2927.674014	3382.602158			
DNAJB14 DNAJB14	2408.33942	1755.957278	2338.389217	
2773.582929				
TXNRD2 TXNRD2	1493.498425	1494.950326	915.1771469	
1131.30507				
NPIPA8 NPIPA8	0 0	0.892855753	2.828262674	
PLOD1 PLOD1	1753.542856	1675.725569	743.7488423	
882.4179543				
SYNJ2BP-COX16	SYNJ2BP-COX16	3074.849698	3084.350639	
2727.674326	2711.36115			
SNORD18B	SNORD18B	8.199599194	7.109138778	
7.142846024	1.885508449			
SNORD18A	SNORD18A	2.342742627	2.031182508	
23.21424958	20.74059294			
SNORD16 SNORD16	24.59879758	32.49892013	46.42849916	
47.13771124				
ZFAT-AS1	ZFAT-AS1	35.1411394	30.46773762	
32.14280711	53.73699081			
ARGFXP2 ARGFXP2	10.54234182	6.093547524	8.035701777	
6.599279573				
DPRXP4 DPRXP4	1.171371313	0 0	2.828262674	
CYP4V2 CYP4V2	1690.288805	1090.745007	1148.212498	
1820.458408				
MRPL42P5	MRPL42P5	127.6794732	66.01343151	
81.24987353	118.7870323			
UBE3B UBE3B	3790.55757	4010.569862	3172.316491	
3394.857963				
SPOCD1 SPOCD1	0 0	2.678567259	0	
YAP1 YAP1	0 1.015591254	0.892855753	0	
FTH1P3 FTH1P3	15.22782708	15.23386881	1.785711506	
15.0840676				
HCG26 HCG26	19.91331233	7.109138778	13.3928363	
28.28262674				
FAM83A FAM83A	0 0	0 1.885508449		
FAM98B FAM98B	199.1331233	184.8376082	146.4283435	
215.8907175				
PIR PIR	619.6554248	680.4461402	158.0354683	
154.6116929				
ERI2 ERI2	1253.367305	983.0923339	593.7490758	
823.0244382				
MSM01 MSM01	2595.758831	2854.827015	3596.422973	
4172.630199				
CCDC3 CCDC3	9.370970508	8.124730032	0 8.484788022	
ZMIZ2 ZMIZ2	3404.005037	1687.912664	1916.068446	

2278.636961					
WNT16	WNT16	7.028227881	3.046773762	10.71426904	
1.885508449					
EID2	EID2	1180.742284	1126.290701	1737.497295	
985.1781648					
TRIM56	TRIM56	1985.474376	1748.848139	2679.460115	
2450.21823					
DDAH1	DDAH1	1.171371313	1.015591254	7.142846024	0
CD200R1	CD200R1	939.4397934	610.3703437	1616.068913	
1778.977222					
NEK5	NEK5	0	0	0.892855753	0
MARK2	MARK2	4240.364155	4477.741839	3675.887135	
3468.392793					
FBXL17	FBXL17	346.7259088	197.0247033	338.3923304	
307.3378773					
SLAMF9	SLAMF9	0	0	17.85711506	0
POMT1	POMT1	2924.91417	3437.776395	1885.71135	
2022.207812					
UCK1	UCK1	2195.149841	2250.550219	1683.92595	
1825.172179					
SUV39H2	SUV39H2	1767.599312	1688.928255	812.4987353	
1189.755832					
LGALS4	LGALS4	7.028227881	1.015591254	38.39279738	
14.14131337					
RNF170	RNF170	1233.453993	1243.083695	949.1056655	
1214.267441					
PHF8	PHF8	3987.347951	3196.065676	3649.994318	
3530.614572					
FBXL20	FBXL20	831.6736326	596.1520661	1103.569711	
869.2193952					
EYS	EYS	5.856856567	2.031182508	9.821413283	
16.02682182					
NHLRC1	NHLRC1	14.05645576	17.26505132	16.96425931	
84.84788022					
SLC24A1	SLC24A1	199.1331233	103.5903079	204.4639674	
298.8530892					
TLX2	TLX2	51.54033779	129.9956805	33.03566286	
11.3130507					
PCNT	PCNT	4662.057828	3620.582821	3442.851784	
2684.964032					
LOC100505812	LOC100505812		1076.490237	769.8181706	
525.8920385	429.8959265				
HCG25	HCG25	5.856856567	0	0	16.96957604
NRARP	NRARP	25.7701689	32.49892013	18.74997081	
26.39711829					
FGFRL1	FGFRL1	429.893272	254.9134048	450.8921553	
446.8655025					
HGF	HGF	0	0	0.892855753	3.771016899
UMODL1	UMODL1	17.5705697	11.17150379	16.07140355	
3.771016899					

TMC5	TMC5	0	0	4.464278765	0	
PAPD5	PAPD5	1222.911651		644.9004463	955.3556557	
1121.877527						
ZKSCAN1	ZKSCAN1	4413.727109		4643.283214	5235.706136	
5120.098194						
GALK2	GALK2	1884.736443		2301.329782	1424.104926	
1848.741035						
FAM86A	FAM86A	1873.02273		2946.230228	1983.925483	
2241.869546						
ZIM2	ZIM2	0	0	2.678567259	1.885508449	
MFSD6	MFSD6	5553.471397		5685.27984	4499.10014	
4395.120196						
ROPN1L-AS1	ROPN1L-AS1	0		4.062365016	2.678567259	
0						
LINC01024	LINC01024	40.99799597		79.21611782		
324.9994941	108.4167358					
LINC00568	LINC00568	0		5.07795627	22.32139383	
10.37029647						
HLTF-AS1	HLTF-AS1	178.0484396		138.1204106		
191.9639869	180.0660569					
SNX17	SNX17	12778.48966		16618.11969	11717.8389	
11285.71082						
AN07	AN07	2.342742627		22.34300759	32.14280711	
8.484788022						
DHRS3	DHRS3	1293.19393		2637.490487	3113.388011	
1613.995233						
LOC100134868	LOC100134868	44.51210991		78.20052656		
30.3570956	48.08046546					
DHRS4L1	DHRS4L1	81.99599194		129.9956805	117.8569594	
84.84788022						
CCNT1	CCNT1	1213.540681		628.6509863	868.7486477	
1272.718203						
CKS1B	CKS1B	4440.668649		4899.21221	3069.638079	
3816.269102						
LINC01420	LINC01420	1605.950071		1914.389514		
3188.387894	2508.668992					
GGT3P	GGT3P	1.171371313		3.046773762	0.892855753	0
LOC389834	LOC389834	339.6976809		270.1472736		
238.3924861	393.1285117					
ZNF670-ZNF695	ZNF670-ZNF695	65.59679355		49.76397145		
74.1070275	53.73699081					
ARL17A	ARL17A	289.3287144		226.4768497	319.6423596	
399.7277913						
FAM195B	FAM195B	2053.413912		2483.120616	1651.783143	
1623.422775						
DHRS9	DHRS9	1.171371313	0	14.28569205	16.02682182	
SQSTM1	SQSTM1	18097.68679		27862.74605	65566.86222	
36747.61693						
FAM198A	FAM198A	10.54234182		1.015591254	0	10.37029647
ACPP	ACPP	3.51411394		2.031182508	137.499786	

2.828262674				
RDM1	RDM1	209.6754651	125.9333155	39.28565313
91.4471598				
COL4A3BP	COL4A3BP		2046.385685	2020.011004
2315.174968		2066.517261		
RGL1	RGL1	1347.07701	917.0789024	633.0347289
526.9996116				
MTCH1	MTCH1	8030.921725	8627.447703	7054.453305
6543.657074				
GPI	GPI	28413.95395	38252.24458	16379.43879
22083.07496				
GP1BA	GP1BA	9.370970508	2.031182508	17.85711506
8.484788022				
TRIM69	TRIM69	454.4920696	682.4773227	463.3921358
379.9299526				
ZNRF3	ZNRF3	4.685485254	12.18709505	63.39275847
64.10728728				
ZNF30	ZNF30	292.8428284	256.9445873	738.3917078
613.7330003				
HMG2P46	HMG2P46		21.08468364	22.34300759
16.96425931		19.79783872		
CALHM2	CALHM2	2763.264928	3547.46025	1010.712712
1372.650151				
DMTF1	DMTF1	3057.279128	2427.263097	5594.634148
4726.969683				
MPP2	MPP2	5.856856567	54.84192772	236.6067746
258.3146576				
DNMBP-AS1	DNMBP-AS1		42.16936728	46.71719769
66.96418148		54.67974503		
OSBP2	OSBP2	577.4860575	364.5972602	188.3925639
286.5972843				
ZFX	ZFX	2431.766847	3047.789353	4155.350675
2803.751064				
EXT2	EXT2	3047.908158	4550.864409	3226.780691
3025.298307				
SYCP3	SYCP3	249.5020898	107.6526729	89.2855753
210.2341921				
CKLF-CMTM1	CKLF-CMTM1		4970.128483	4355.870889
1977.675493		3045.096146		
RBBP6	RBBP6	4512.122299	2855.842606	4319.636133
3951.082956				
SNORA62	SNORA62	43.3407386	26.40537261	53.57134518
38.65292321				
KIZ	KIZ	554.0586313	592.0897011	1116.069691
967.2658346				
LAMA1	LAMA1	3.51411394	0	3.771016899
GNB5	GNB5	1817.968278	2000.71477	2251.782209
2480.386365				
MTUS2	MTUS2	0	8.035701777	6.599279573
DLGAP1	DLGAP1	21.08468364	5.07795627	2.678567259

31.11088942					
WNT7A	WNT7A	1.171371313	0	81.24987353	83.905126
TTC4	TTC4	2812.462524	3669.331201	2643.745885	
2898.969241					
TAF7	TAF7	5674.122642	5526.847605	9923.198839	
8041.693537					
GADD45G	GADD45G	741.4780414	1188.241767	644.6418537	
494.0032138					
JTB	JTB	10648.93661	14207.10605	11937.48142	
10761.53948					
EIF2D	EIF2D	3100.619867	3990.258037	2676.781548	
2479.443611					
RAB1A	RAB1A	6428.485768	7854.582759	6266.061675	
5912.011743					
C1orf61	C1orf61	16.39919839	4.062365016	58.03562395	
25.45436407					
NUP62CL	NUP62CL	57.39719436	71.09138778	75.89273901	
69.76381263					
TMEM108	TMEM108	10.54234182	7.109138778	16.07140355	
10.37029647					
MTMR8	MTMR8	298.6996849	233.5859884	387.4993968	
349.7618174					
CUEDC2	CUEDC2	3712.075692	4745.85793	3342.851939	
3105.432416					
DDRGK1	DDRGK1	2543.047122	3634.801098	2771.424257	
2203.216623					
C7orf49	C7orf49	2321.657943	3177.785034	2507.138955	
2735.87276					
DLK2	DLK2	67.93953618	52.81074521	183.9282851	
72.5920753					
C17orf53	C17orf53		1224.083023	1813.84598	
690.1774971	698.5808805				
CDHR2	CDHR2	8.199599194	9.140321286	26.78567259	
2.828262674					
YIPF2	YIPF2	591.5425133	664.1966801	607.1419121	
654.271432					
TRPM6	TRPM6	0	0	3.771016899	
BMS1P5	BMS1P5	1.171371313	4.062365016	12.49998054	
23.56885562					
SNORD71	SNORD71	5.856856567	4.062365016	6.249990271	
2.828262674					
SNORA20	SNORA20	16.39919839	7.109138778	24.99996108	
27.33987252					
SNORD70	SNORD70	9.370970508	9.140321286	8.92855753	
9.427542247					
SNORD69	SNORD69	12.88508445	10.15591254	24.10710533	
18.85508449					
SLC22A17	SLC22A17		63.25405093	23.35859884	
205.3568232	159.325464				
MRGBP	MRGBP	1205.341082	1611.74332	1332.140784	

1293.458796				
ATP8B2	ATP8B2	4502.751329	2690.301232	2356.246332
2227.728233				
HPSE2	HPSE2	1.171371313	0	0
NCALD	NCALD	3382.920353	2568.430281	889.28433
1871.367136				
UBE4B	UBE4B	2193.97847	1368.001419	1280.35515
1361.3371				
UBAP1	UBAP1	4437.154535	4540.708497	4347.314662
3847.379991				
ENTPD1	ENTPD1	6610.048322	9825.845383	1844.639986
2825.434411				
JSRP1	JSRP1	5.856856567	6.093547524	7.142846024
18.85508449				
ATP6V0B	ATP6V0B	8900.07924	12102.80097	8326.772753
6332.480127				
RTN4RL2	RTN4RL2	3.51411394	2.031182508	8.92855753
4.713771124				
RTN4RL1	RTN4RL1	39.82662466	24.3741901	111.6069691
48.08046546				
ZDHHC21	ZDHHC21	801.2179784	633.7289425	389.2851083
697.6381263				
NRBP2	NRBP2	187.4194102	96.48116913	188.3925639
265.8566914				
PRMT3	PRMT3	2660.184253	2743.111977	2365.17489
2782.067717				
ZNF182	ZNF182	625.5122814	566.6999198	1637.497451
1438.642947				
LOC286190	LOC286190		399.4376179	422.4859617
558.0348456	538.3126623			
PSORS1C1	PSORS1C1		0	0
CTAGE10P	CTAGE10P		0	0
C1QTNF1	C1QTNF1	0	0	0
C11orf74	C11orf74	0	9.427542247	1.885508449
46.42849916	48.08046546		60.9113083	17.26505132
TP53	TP53	4405.52751	3531.21079	3765.172711
4024.617785				
TPD52	TPD52	1870.679988	2016.964231	1750.890132
2308.805096				
C14orf2	C14orf2	7184.020265	7675.838698	5758.026751
5835.648651				
PGPEP1L	PGPEP1L	0	0	0
XRCC5	XRCC5	40927.71369	52433.96086	32862.44885
37814.81471				
CA14	CA14	23.42742627	12.18709505	13.3928363
32.05364364				
COLGALT2	COLGALT2		98.39519033	77.18493531
67.85703723	72.5920753			
SYNP02	SYNP02	43.3407386	18.28064257	120.5355267
125.3863119				

SETD4	SETD4	612.6271969	733.2568854	1112.498268
964.4375719				
ZCCHC17	ZCCHC17	2218.577268	2666.942633	2213.389412
2210.758657				
TMEM178A	TMEM178A	0	0	0
				1.885508449
PQLC3	PQLC3	2518.448324	1834.157805	2657.138721
3639.974062				
AHSA2	AHSA2	916.0123671	248.8198572	603.570489
770.2302016				
PDCL2	PDCL2	0	1.015591254	0.892855753
				0
CCDC86	CCDC86	2428.252733	5238.419688	2493.746118
2577.49005				
TAF1A	TAF1A	417.0081876	552.4816422	559.8205572
662.75622				
TRAPPC6A	TRAPPC6A		1051.891439	1911.34274
1753.568699		1447.127735		
PTGES3	PTGES3	18053.17468	20848.05726	19872.2905
20316.35354				
LDLR	LDLR	3495.371999	3215.36191	4427.671679
5330.332387				
SLC02B1	SLC02B1	53.88308042	33.51451138	0
				10.37029647
STON1	STON1	94.88107639	105.6214904	0
				64.10728728
STON1-GTF2A1L	STON1-GTF2A1L		51.54033779	60.93547524
		18.85508449		0
FAT2	FAT2	12.88508445	4.062365016	0
				2.828262674
TRAF1	TRAF1	13495.3689	19896.44826	15107.11934
15151.9459				
HERC6	HERC6	4416.069852	4596.566016	9416.949627
7377.994563				
GSTZ1	GSTZ1	618.4840535	783.0208569	274.9995719
383.7009695				
CHD9	CHD9	933.5829368	760.6778493	1383.033561
1407.532058				
ABCC11	ABCC11	1.171371313	0	4.464278765
				30.16813519
KDELR2	KDELR2	6095.816315	7999.812308	6444.632825
5542.452087				
PDE11A	PDE11A	0	0	0
				0.942754225
SERPINE3	SERPINE3		5.856856567	0
0.942754225				0
SMIM13	SMIM13	841.0446031	584.9805623	490.1778084
549.625713				
SLC5A9	SLC5A9	0	0	5.357134518
				0
ZBTB10	ZBTB10	30.45565415	11.17150379	376.7851278
472.3198666				
CMTM1	CMTM1	155.7923847	121.8709505	47.32135491
82.01961755				
XKR7	XKR7	0	1.015591254	0
				0
HAUS8	HAUS8	1860.137646	2278.986774	1449.997743
1524.433581				
TLE3	TLE3	2578.188261	1668.61643	1579.461827

2012.78027				
SUPT5H SUPT5H	11917.53174	10950.1049	10808.91175	
10562.61833				
C4BPB C4BPB	97.22381902	192.9623383	108.9284019	
44.30944856				
CANX CANX	38385.83794	39467.90731	35132.08817	
34055.11086				
NOS1AP NOS1AP	0 0	0.892855753	0.942754225	
MYSM1 MYSM1	1043.69184	542.3257297	833.0344176	
1146.389137				
RPL36AL RPL36AL	10125.33363	12580.12886	10533.01932	
9483.164746				
TGFBI TGFBI	0 0	93.74985407	38.65292321	
ZNF711 ZNF711	70.28227881	1.015591254	89.2855753	
39.59567744				
XPNPEP3 XPNPEP3	819.9599194	706.8515128	1033.926962	
845.6505396				
DKC1 DKC1	7143.022269	9134.227739	7236.595878	
7469.441722				
KCNAB3 KCNAB3	29.28428284	25.38978135	108.0355461	
35.82466054				
AIFM1 AIFM1	5149.348294	6558.688319	3431.244659	
3987.850371				
ATG12 ATG12	2275.974462	2039.307238	2589.281684	
2514.325517				
LOC100379224	LOC100379224	780.1332948	762.7090318	
1991.068329	1744.095316			
CTBP1-AS2	CTBP1-AS2	747.334898	606.3079787	
1342.855053	1301.00083			
HNRNPL HNRNPL	8391.70409	3482.46241	3617.851511	
3937.884397				
C14orf142	C14orf142	1419.702032	1357.845507	
1009.819857	1314.199389			
NKIRAS1 NKIRAS1	394.7521326	294.5214637	627.6775944	
537.3699081				
CLEC16A CLEC16A	3420.404235	3176.769443	2826.781314	
2711.36115				
PRUNE2 PRUNE2	80.82462063	24.3741901	1.785711506	
33.93915209				
CLDN19 CLDN19	0 4.062365016 0	0	0	
RAB3GAP1	RAB3GAP1	2121.353449	1785.409425	
2748.210008	3292.097753			
TMEM129 TMEM129	1953.847351	2350.078162	2516.960368	
2093.857133				
SIRPB1 SIRPB1	67.93953618	118.8241767	42.85707615	
42.42394011				
PODXL2 PODXL2	97.22381902	82.26289158	128.5712284	
210.2341921				
FKBP5 FKBP5	10376.00709	10881.0447	14075.87095	
15696.85784				

PIP4K2C PIP4K2C	2733.980646	3621.598412	5026.77789
4175.458461			
CLEC18A CLEC18A	3.51411394	1.015591254	6.249990271
7.542033798			
ANKRD30A ANKRD30A		0 0	6.249990271
0.942754225			
CSMD2 CSMD2	0 0	0.892855753	0.942754225
SCARNA20 SCARNA20		2.342742627	1.015591254 0
5.656525348			
SCARNA3 SCARNA3	1.171371313	2.031182508	0 0.942754225
LINC01184 LINC01184		317.4416259	305.6929675
309.8209463	411.040842		
SNORA80A SNORA80A		1.171371313	2.031182508
3.571423012	1.885508449		
RREB1 RREB1	541.1735468	301.6306025	526.7848943
461.0068159			
SAP130 SAP130	3172.073517	3208.252772	2636.603039
2884.827928			
DNAH3 DNAH3	4.685485254	1.015591254	36.60708587
10.37029647			
SLA2 SLA2	2867.516975	1536.589567	741.9631308
901.2730388			
ELMOD3 ELMOD3	1173.714056	1264.411111	1420.533503
1241.607314			
ANTXR1 ANTXR1	2.342742627	0 16.07140355 0	
LAPTM4A LAPTM4A	3036.194444	3360.59146	6516.061286
4870.268325			
ERV3-1 ERV3-1	250.6734611	165.5413744	163.3926028
253.6008864			
TVP23A TVP23A	579.8288002	847.0031059	601.7847775
501.5452475			
CD200R1L CD200R1L		0 0	0 0.942754225
TPM4 TPM4	43359.48054	42058.6806	10321.41251
20203.22304			
SLC27A2 SLC27A2	5213.773716	2841.624329	779.4630724
2453.046493			
DHX40 DHX40	1492.327053	1364.954645	2202.675143
1695.072096			
EXOC7 EXOC7	6863.064526	6411.427587	6781.239444
6566.283175			
TOP1 TOP1	3741.359975	3334.186087	3274.102046
3470.278301			
GLIS3 GLIS3	12.88508445	13.2026863	11.60712479
0.942754225			
BBS12 BBS12	276.44363	300.6150112	376.7851278
383.7009695			
PARP15 PARP15	433.407386	437.7198305	406.2493676
732.5200326			
TMEM44 TMEM44	192.1048954	236.6327622	63.39275847
85.79063445			

SNRPF	SNRPF	5981.021927	5148.032067	3173.209346	
3951.082956					
MARS	MARS	17937.20892	26318.03176	27280.31468	
24274.97853					
RPS14	RPS14	19721.20743	24858.62713	34236.55385	
25144.19793					
DBNL	DBNL	14635.11319	25260.80126	11345.51805	
11561.93781					
SUGT1	SUGT1	2657.84151	2514.603945	2545.531752	
2284.293486					
KNOP1	KNOP1	761.3913537	910.9853549	837.4986963	
760.8026593					
COA6	COA6	2142.438132	2295.236234	1857.139966	
1742.209807					
C16orf86	C16orf86		91.36696245	54.84192772	
106.2498346	92.38991402				
COG8	COG8	2821.833494	3966.899438	3031.245282	
3075.264281					
PPP1R42	PPP1R42	0	0	0.892855753	0
WIPI2	WIPI2	5177.461205	4461.492379	6385.704346	
4010.476472					
GIGYF2	GIGYF2	3914.72293	3784.093013	3904.458208	
3416.54131					
METTL21A	METTL21A		787.1615226	1006.450933	
1024.105549	900.3302846				
BSPRY	BSPRY	452.149327	488.4993932	194.6425542	
238.5168189					
OR10G2	OR10G2	0	0	1.885508449	
CCDC73	CCDC73	1382.21815	1613.774503	1525.890482	
1771.435188					
VCPKMT	VCPKMT	730.9356996	480.3746632	1142.855364	
1104.907951					
MY07B	MY07B	33.96976809	24.3741901	3.571423012	0
ZNF331	ZNF331	764.9054677	546.3880947	2665.174423	
1826.114933					
EVPLL	EVPLL	0	2.031182508	0	0
SSX2IP	SSX2IP	967.5527049	726.1477466	1042.85552	
895.6165135					
PTCH2	PTCH2	24.59879758	26.40537261	40.17850889	
15.0840676					
KCNJ11	KCNJ11	3.51411394	0	13.3928363	8.484788022
SDAD1	SDAD1	3876.067676	4322.356377	4866.063854	
4854.241503					
RNASEH1	RNASEH1	3188.472715	4133.456404	2806.245632	
3141.257077					
FCH01	FCH01	3323.180416	2949.277002	1990.175474	
2493.584924					
FAM221B	FAM221B	1.171371313	0	0	0
PAICS	PAICS	14975.98224	17471.21634	10697.30478	
12205.83895					

TRAPPC3L	TRAPPC3L	0	0	0.892855753
4.713771124				
FBP1	FBP1	3.51411394	11.17150379	150.8926223
101.8174563				
GALE	GALE	2163.522816	2694.363597	1541.961885
1831.771459				
ALDOA	ALDOA	74741.6894	111894.7976	70068.64093
77347.32761				
PLSCR2	PLSCR2	1.171371313	0	16.07140355
9.427542247				
GAS2	GAS2	44.51210991	78.20052656	7.142846024
11.3130507				
CERS1	CERS1	0	3.046773762	0
LSMEM1	LSMEM1	9.370970508	4.062365016	50.89277792
3.771016899				
IQCH	IQCH	43.3407386	54.84192772	58.03562395
124.4435577				
TLE4	TLE4	1160.828972	1728.536314	2857.13841
1889.279466				
MON1B	MON1B	6166.098594	7161.949524	5524.9914
5702.720305				
TFB1M	TFB1M	1096.403549	1144.571343	1018.748414
1370.764643				
SLC38A5	SLC38A5	3361.83567	3723.157537	1884.818495
1971.299084				
OIT3	OIT3	4.685485254	0	0
C19orf35	C19orf35	38.39279738	122.9939879	5.656525348
31.11088942				268.1160911
PRR14L	PRR14L	3215.414255	2481.089434	2946.423985
2531.295093				
UNC5CL	UNC5CL	37.48388203	23.35859884	37.49994163
103.7029647				
MIR4531	MIR4531	2.342742627	0	0
MIR4530	MIR4530	2.342742627	0	0
MIR4526	MIR4526	2.342742627	0	0
SC5D	SC5D	879.6998564	1002.388568	2.828262674
1915.676585				1808.0329
TGFBR2	TGFBR2	7444.064697	5641.609416	14867.834
13427.64842				
FUT6	FUT6	2.342742627	0	0
VASN	VASN	19.91331233	24.3741901	1.885508449
22.62610139				105.3569789
TMEM139	TMEM139	65.59679355	88.3564391	197.3211214
125.3863119				
TSPYL6	TSPYL6	0	1.015591254	0
KDM5C	KDM5C	4534.378354	3375.825328	4115.172166
2538.837127				
LAMTOR5	LAMTOR5	7143.022269	7536.702696	6139.276158
6039.283564				
KLF4	KLF4	0	3.046773762	0
ANP32B	ANP32B	8283.937929	8370.503116	5684.81258

6099.619834				
LAT	LAT	16104.01282	21157.8126	9490.163799
12097.42221				
IPCEF1	IPCEF1	2314.629715	2119.538947	5924.097921
5315.248319				
DLG4	DLG4	668.85302	735.2880679	400.8922331
501.5452475				
COPS7A	COPS7A	3031.508959	3732.297859	3442.851784
3801.185034				
CKAP2	CKAP2	5900.197306	6419.552317	2942.852562
4627.037735				
TMCC1	TMCC1	347.8972801	202.1026596	324.1066384
228.1465224				
MXD4	MXD4	2661.355624	3169.660304	1607.140355
1903.42078				
CHD1L	CHD1L	4124.398395	4328.449925	1632.140317
2836.747462				
RAB3D	RAB3D	156.963756	102.5747167	161.6068913
199.8638956				
BAG2	BAG2	3641.793414	3358.560277	1503.569088
2122.13976				
BAG3	BAG3	2014.758659	2115.476582	2583.031694
1849.683789				
PIGL	PIGL	339.6976809	515.9203571	534.8205961
481.7474088				
CLCA2	CLCA2	0	27.67852834	0
ZNF518A	ZNF518A	1204.16971	761.6934405	991.0698859
1117.163756				
BMS1	BMS1	6451.913195	7930.752103	6541.954102
7053.687109				
PRCC	PRCC	3888.952761	4864.682107	3642.851472
3355.262286				
LTV1	LTV1	3105.305352	3812.529568	3621.422934
3522.129784				
ZNF716	ZNF716	0	0	1.885508449
SNORA14B	SNORA14B	0	3.51411394	4.062365016
10.71426904				
MSH6	MSH6	11254.53558	10995.80651	7334.810011
9527.474195				
PQLC2	PQLC2	527.1170911	750.5219367	483.9278181
503.430756				
IKZF3	IKZF3	15205.57102	6687.668408	6586.59689
7065.00016				
DTYMK	DTYMK	6205.925219	8564.481045	3905.351064
4163.202656				
MED12	MED12	4578.890464	1795.565337	2165.175201
2477.558103				
SERGEF	SERGEF	935.9256795	999.341794	1021.426981
1126.591299				
YWHAZ	YWHAZ	96583.07891	106807.701	63120.43746

71863.32629					
TPM1	TPM1	126.5081019	194.9935208	393.7493871	
312.0516484					
TMEM230	TMEM230	6362.888975	7052.265668	6780.346589	
6665.272369					
LGALS9C	LGALS9C	0	9.140321286	0	0
GSPT2	GSPT2	1010.893444	962.7805088	688.3917856	
976.6933768					
ENOX1	ENOX1	16.39919839	36.56128515	24.10710533	
51.85148236					
TTC14	TTC14	1310.7645	994.2638377	1461.604868	
1772.377942					
MRPS21	MRPS21	3719.10392	3463.166176	3000.888186	
3430.682624					
LARP4	LARP4	6211.782075	6166.670095	4897.313805	
5192.69027					
PLAC8	PLAC8	725.078843	308.7397412	4280.35048	
6229.719917					
NOX5	NOX5	17.5705697	4.062365016	4.464278765	
9.427542247					
E2F5	E2F5	401.7803605	267.1004998	291.9638312	
398.7850371					
FANCA	FANCA	5917.767876	4698.125141	2849.995564	
3665.428426					
PODXL	PODXL	120.6512453	48.74838019	0	114.0732612
CDC42SE2	CDC42SE2		12525.47345	27061.44456	
44824.93023		15345.21052			
C7orf57	C7orf57	0	2.031182508	57.14276819	8.484788022
RAPGEF5	RAPGEF5	12.88508445	4.062365016	25.89281684	
18.85508449					
MCM3	MCM3	23532.84969	30188.45003	18062.47188	
20983.82353					
ADAMTSL3	ADAMTSL3		1.171371313	1.015591254	0
0					
CCSER1	CCSER1	4.685485254	0	0.892855753	13.19855915
ATP6V0A1	ATP6V0A1		1063.605153	2090.086801	
1866.96138		906.9295642			
EXOC4	EXOC4	2923.742798	2677.098546	2277.675026	
2919.709834					
IRAK4	IRAK4	2155.323217	1472.607318	1530.354761	
2125.910777					
ELK4	ELK4	1144.429773	611.3859349	1419.640647	
1676.217012					
TRPV2	TRPV2	5633.124646	9099.697636	2291.960718	
3361.861565					
PKD2L1	PKD2L1	0	0	2.828262674	
C1orf194	C1orf194		2.342742627	6.093547524	
13.3928363		3.771016899			
RPRML	RPRML	0	2.031182508	0	0
RBM12B	RBM12B	1400.960091	1217.693914	1960.711234	

1828.000442				
C12orf42	C12orf42		17.5705697	34.53010264
62.49990271	27.33987252			
AUP1	AUP1	8048.492295	9853.266347	7715.166562
7298.803208				
SLC46A3	SLC46A3	1240.482221	1089.729416	1235.712362
1434.87193				
EML2	EML2	3035.023073	1819.939527	2552.674598
2266.381156				
ZSCAN9	ZSCAN9	127.6794732	231.5548059	95.53556557
117.8442781				
DAGLA	DAGLA	17.5705697	14.21827756	21.42853807
1.885508449				
RPGRIP1	RPGRIP1	9.370970508	16.24946006	8.92855753
20.74059294				
BTBD10	BTBD10	2739.837502	3247.86083	2085.711039
1986.383151				
WHSC1	WHSC1	10385.37807	6765.868934	3135.709405
4282.932443				
ZNF7	ZNF7	1185.427769	1158.789621	2469.639013
1698.843113				
7-Mar	7-Mar	8630.663838	8196.837011	10082.12716
9514.275636				
TBL1XR1	TBL1XR1	7517.86109	5588.798671	5350.884528
6381.503347				
PCDHB9	PCDHB9	0	0	7.542033798
NOX1	NOX1	44.51210991	39.60805891	27.67852834
49.96597391				
PRC1	PRC1	5710.435153	5168.343892	2062.49679
3368.460845				
CHMP2B	CHMP2B	1997.188089	1901.186828	2526.781781
2371.969629				
CPNE2	CPNE2	309.2420268	350.3789826	453.5707225
281.8835132				
ETNK2	ETNK2	15.22782708	12.18709505	380.3565508
201.7494041				
SAGE1	SAGE1	21.08468364	0	0
DDX43	DDX43	76.13913537	35.54569389	1.785711506
93.33266825				
DDX49	DDX49	2960.055309	4100.957484	2692.852951
2543.550898				
LPO	LPO	0	1.015591254	0
TNFAIP3	TNFAIP3	13538.70964	14612.32696	15242.83342
19015.35271				
TST	TST	425.2077868	675.3681839	126.7855169
138.584871				
PTP4A3	PTP4A3	742.6494127	3536.288747	1969.639791
1706.385147				
GLCE	GLCE	305.7279128	443.813378	304.4638118
382.7582152				

RNF113A	RNF113A	1656.319037	2113.4454	2408.031966
2073.11654				
SUSD5	SUSD5	2.342742627	2.031182508	4.464278765
8.484788022				
PLEKHG3	PLEKHG3	1188.941883	718.0230166	195.5354099
500.6024933				
DMC1	DMC1	720.3933578	475.2967069	287.4995525
430.8386807				
KAT7	KAT7	5154.033779	5490.286319	6259.811684
5828.106617				
CDC37	CDC37	7449.921554	6804.461402	4719.635511
5494.371622				
INTS5	INTS5	4372.729113	5051.550898	3615.172944
3738.020501				
DAB1	DAB1	36.31251072	21.32741634	0 19.79783872
CHST11	CHST11	3452.031261	5053.58208	1624.104615
2033.520863				
PAX6	PAX6	35.1411394	27.42096386	70.53560449
64.10728728				
MUC22	MUC22	0 0	13.3928363	0
BPGM	BPGM	1916.363469	3156.457618	2009.8183
1798.775061				
RNF138	RNF138	4233.335927	3475.353271	5322.313144
5670.666662				
CACNB3	CACNB3	89.02421982	41.63924142	86.60700804
56.56525348				
RAB22A	RAB22A	3940.493098	4410.712816	4528.564379
4706.22909				
DNAJC10	DNAJC10	4257.934724	3750.578501	4327.671835
4583.671041				
MAGEA8-AS1	MAGEA8-AS1	0 0	0 0	6.249990271
0.942754225				
LOC284581	LOC284581		79.65324932	44.68601518
83.92844078	163.0964809			
MIR137HG	MIR137HG		1.171371313	0 0
0.942754225				
LINC01146	LINC01146		15.22782708	4.062365016
10.71426904	20.74059294			
LOC654841	LOC654841		17.5705697	21.32741634
54.46420093	40.53843166			
TRAF3IP2-AS1	TRAF3IP2-AS1		324.4698538	185.8531995
518.7491925	389.3574948			
RNF185	RNF185	2921.400056	3934.400518	4499.992995
3991.621387				
MKKS	MKKS	1905.821127	2020.011004	2165.175201
2548.264669				
GSDMC	GSDMC	0 0	3.571423012	0
ATG14	ATG14	508.37515	338.1918876	988.3913186
818.3106671				
ZNF767P	ZNF767P	285.8146005	137.1048193	732.1417175

806.0548621						
MUC20	MUC20	53.88308042	20.31182508	50.89277792		
83.905126						
TMEM14B	TMEM14B	5988.050154	6976.096324	5273.206077		
5052.21989						
SRRM4	SRRM4	0	0	1.885508449		
FTL	FTL	101518.0663	173409.1599	219451.4441		
112730.7792						
LOC101927051	LOC101927051		1441.958087	695.680009		
331.2494844		523.2285947				
KCNJ1	KCNJ1	1.171371313	4.062365016	0	0	
CLEC4A	CLEC4A	19.91331233	7.109138778	29.46423985		
13.19855915						
RNF212	RNF212	25.7701689	9.140321286	71.42846024		
64.10728728						
SF3A2	SF3A2	1754.714228	1650.335788	1628.568894		
1306.657355						
SLC16A5	SLC16A5	91.36696245	96.48116913	261.6067356		
267.7421998						
PRKRIR	PRKRIR	2164.694187	2020.011004	2221.425114		
2618.028482						
RABEP1	RABEP1	5610.868591	4662.579447	4414.278843		
5449.119419						
LINC01372	LINC01372		1.171371313	1.015591254		
21.42853807		2.828262674				
CAPS	CAPS	144.0786716	60.93547524	141.071209		
160.2682182						
ARHGAP29	ARHGAP29		1.171371313	0	0	0
TIMM8B	TIMM8B	3262.269108	3568.787667	2323.210669		
2402.137765						
TIMM9	TIMM9	1245.167706	1140.508978	1190.176719		
1239.721806						
TIMM13	TIMM13	3596.109932	4888.040706	2497.317541		
2560.520474						
TIMM10	TIMM10	3354.807442	5684.264249	2704.460076		
2753.78509						
SETD1B	SETD1B	540.0021755	393.0338153	623.2133156		
494.0032138						
LY6K	LY6K	0	0	3.571423012	4.713771124	
PDE7A	PDE7A	4669.086055	4440.164963	2677.674403		
3883.204652						
PCOLCE	PCOLCE	35.1411394	46.71719769	48.21421066		
30.16813519						
PCSK2	PCSK2	0	1.015591254	0	0.942754225	
PTPRU	PTPRU	12.88508445	0	0	0	
TMEM208	TMEM208	3358.321556	4018.694592	3058.92381		
2453.046493						
SLC38A6	SLC38A6	241.3024906	267.1004998	149.9997665		
290.3683012						
DBX1	DBX1	0	0	0.892855753	8.484788022	

HNRNPH2	HNRNPH2	8041.464067	8516.748256	12454.4449	
10704.97422					
SUOX	SUOX	747.334898	1800.643293	577.6776722	
458.1785532					
ZNF562	ZNF562	614.9699396	463.1096118	792.8559087	
726.8635073					
VN1R1	VN1R1	7.028227881	7.109138778	46.42849916	
22.62610139					
ATP6V0A4	ATP6V0A4		19.91331233	2.031182508	0
22.62610139					
FGF23	FGF23	8.199599194	9.140321286	1.785711506	
7.542033798					
ALPK1	ALPK1	220.2178069	224.4456671	2306.24641	
1964.699804					
RTN1	RTN1	1.171371313	1.015591254	0	17.91233027
HECTD1	HECTD1	4481.666645	3035.602258	3528.565936	
4724.14142					
UMPS	UMPS	4653.858228	6256.042125	4782.135413	
4646.835574					
SF1	SF1	12929.59656	9255.083098	8994.628856	
9008.016617					
HEIH	HEIH	946.4680213	1058.246087	2122.318125	
1773.320697					
KIF19	KIF19	32.79839678	31.48332888	10.71426904	0
EBAG9	EBAG9	1151.458001	1092.776189	1956.246955	
1500.864726					
DYNLRB1	DYNLRB1	4971.299854	5495.364276	3582.137281	
4108.522911					
CYP3A43	CYP3A43	0	0	0.892855753	1.885508449
DYDC2	DYDC2	0	0	0	9.427542247
CAPG	CAPG	2284.174061	9377.96964	1767.854391	
1002.147741					
IGSF9B	IGSF9B	194.447638	133.0424543	118.7498152	
106.5312274					
YPEL3	YPEL3	3018.623875	2252.581401	3832.136892	
3439.167412					
SFXN4	SFXN4	1883.565072	2144.928729	1351.78361	
1669.617732					
ABCG2	ABCG2	1341.220154	804.3482732	207.1425347	
434.6096976					
CRLF1	CRLF1	1.171371313	0	0.892855753	2.828262674
IRS1	IRS1	72.62502143	4.062365016	105.3569789	
35.82466054					
GUCY1A3	GUCY1A3	4.685485254	18.28064257	13.3928363	
16.02682182					
GXYLT1	GXYLT1	1008.550701	830.7536458	729.4631502	
967.2658346					
MARVELD3	MARVELD3		16.39919839	8.124730032	
1.785711506		10.37029647			
ALAD	ALAD	1919.877583	1853.454039	2083.925328	

2225.842725				
KCNK6	KCNK6	1193.627368	1235.974556	907.1414451
1271.775449				
PLD1	PLD1	195.6190093	143.1983668	95.53556557
127.2718203				
NLRP3	NLRP3	3.51411394	15.23386881	219.6425152
94.27542247				
SH3BP2	SH3BP2	2239.661951	1887.984141	1062.498346
1412.245829				
RGS1	RGS1	9525.591521	14134.99907	18522.2926
15671.40348				
SNAP25	SNAP25	5.856856567	2.031182508	19.64282657
78.24860065				
RFX3	RFX3	454.4920696	257.9601785	581.2490952
505.3162644				
SLC16A1	SLC16A1	6881.806467	10172.162	4516.064399
4702.458073				
MPP1	MPP1	1614.14967	1772.206738	1248.212343
1665.846715				
C12orf56	C12orf56		2.342742627	3.046773762
12.49998054	12.25580492			
EIF4EBP3	EIF4EBP3		107.7661608	190.9311558
542.8562978	444.0372398			
SSNA1	SSNA1	4479.323903	5813.244338	3352.673353
3326.979659				
EVC2	EVC2	235.445634	23.35859884	36.60708587
142.3558879				
AANAT	AANAT	0	2.031182508	0
4.713771124				
NIPAL4	NIPAL4	37.48388203	28.43655511	25.89281684
135.7566084				
SYNJ2	SYNJ2	4048.259259	2307.423329	1574.997548
2009.009253				
CCDC23	CCDC23	630.1977666	692.6332353	545.5348651
530.7706285				
LRRC37A3	LRRC37A3		28.11291152	18.28064257
45.5356434	39.59567744			
P2RY2	P2RY2	0	0	4.464278765
0				
SLC43A3	SLC43A3	10182.73083	16257.58479	8799.093446
10014.87813				
XCL2	XCL2	4.685485254	148.2763231	2516.960368
30.16813519				
SUPV3L1	SUPV3L1	2881.573431	3937.447292	3608.030098
3073.378773				
WDR65	WDR65	2.342742627	17.26505132	19.64282657
56.56525348				
MDM4	MDM4	1080.004351	834.8160108	2920.531168
1549.887945				
SPHK2	SPHK2	1671.546864	1581.275583	1367.855014
1338.710999				
FOXO3	FOXO3	987.4660172	709.8982866	2362.496323

1490.494429					
FOXJ1 FOXJ1	3.51411394	5.07795627	8.92855753		
10.37029647					
FOXC1 FOXC1	4.685485254	7.109138778	0.892855753	0	
IKBKB IKBKB	4189.995188	2498.354485	2089.282462		
2759.441616					
GPC4 GPC4	2.342742627	0	33.03566286	1.885508449	
FABP5 FABP5	6182.497792	5956.442705	4565.171465		
5642.384035					
NFKB2 NFKB2	11707.85628	12794.41862	13527.65751		
12075.73886					
NFIX NFIX	3.51411394	5.07795627	17.85711506		
40.53843166					
NDUFB3 NDUFB3	8480.728309	7899.268774	3956.243842		
5057.876416					
ATP2C1 ATP2C1	4840.106267	3739.406997	2104.46101		
2257.896368					
SLC1A4 SLC1A4	18736.08416	22982.83008	3294.637729		
5867.702295					
UBR2 UBR2	5121.235382	3361.607051	4843.74246		
5196.461287					
CHRNA10 CHRNA10	17.5705697	9.140321286	52.67848943		
15.0840676					
EBI3 EBI3	633.7118806	1190.27295	2022.318281		
1334.939982					
KLRG1 KLRG1	272.929516	137.1048193	402.6779446		
519.4575778					
MPZL2 MPZL2	73.79639275	129.9956805	328.5709171		
336.5632582					
IER3 IER3	66.76816487	0	0	90.50440557	
NAGLU NAGLU	666.5102774	785.0520394	969.6413478		
862.6201156					
NAGA NAGA	5472.646776	5934.099697	2323.210669		
3347.720252					
AGAP2-AS1	AGAP2-AS1	254.187575	183.822017		
60.71419121	70.70656685				
TCAIM TCAIM	1205.341082	1405.578296	846.4272539		
981.4071479					
GLRA4 GLRA4	0	0	5.357134518	0	
TRIM71 TRIM71	2.342742627	5.07795627	27.67852834		
23.56885562					
MOSPD3 MOSPD3	713.3651299	1484.794413	518.7491925		
595.82067					
KALRN KALRN	2.342742627	0	98.21413283	50.90872813	
CCDC180 CCDC180	48.02622385	41.63924142	75.89273901		
58.45076193					
UBE2J1 UBE2J1	7914.955965	7005.54847	4241.064827		
5271.881625					
BABAM1 BABAM1	6685.016086	8786.89553	5085.706369		
4993.769128					

NACC1	NACC1	429.893272	162.4946006	91.07128681	
123.5008034					
TMTC3	TMTC3	435.7501286	323.97361	566.0705474	
459.1213074					
FAM104A	FAM104A	7823.589003	10323.4851	5742.848203	
6540.828811					
ZNF841	ZNF841	332.669453	382.8779028	937.4985407	
643.9011355					
BTF3L4	BTF3L4	2929.599655	2895.450665	3531.244503	
3243.074533					
HOMER3	HOMER3	12.88508445	21.32741634	0	14.14131337
C16orf45	C16orf45		420.5223015	522.0139046	
320.5352153	302.6241061				
LOXL1-AS1	LOXL1-AS1		97.22381902	157.4166444	
203.5711117	375.2161814				
UAP1	UAP1	1827.339249	2459.762017	3116.066578	
2634.998058					
POC1B	POC1B	2381.39788	3370.747372	1946.425542	
1939.24544					
CDC5L	CDC5L	5403.535869	6321.039965	4775.885423	
5331.275141					
RASGRF1	RASGRF1	4.685485254	12.18709505	20.53568232	
4.713771124					
TSPAN6	TSPAN6	0	0	134.8212187	70.70656685
ALS2CR12	ALS2CR12		22.25605496	45.70160643	
29.46423985	44.30944856				
SZT2	SZT2	903.1272827	456.0004731	888.3914743	
1001.204987					
PLA2G2C	PLA2G2C	2.342742627	0	0	4.713771124
C7orf73	C7orf73	4247.392383	3657.144106	2391.960562	
3322.265888					
ZNF135	ZNF135	16.39919839	8.124730032	99.10698859	
116.9015239					
LRRC75A-AS1	LRRC75A-AS1		3931.122128	6465.253923	
7985.701855	5366.157047				
LY86-AS1	LY86-AS1		0	2.031182508	16.07140355
		4.713771124			
EFCAB10	EFCAB10	383.0384195	429.5951005	312.4995136	
490.2321969					
LINC00114	LINC00114		1.171371313	1.015591254	0
		0.942754225			
SOD1	SOD1	20070.27608	23573.90419	23498.17771	
19104.91436					
CSF3R	CSF3R	0	1.015591254	21.42853807	0
MIR765	MIR765	0	0	3.571423012	0
LOC253573	LOC253573		2.342742627	16.24946006	
46.42849916	10.37029647				
LINC00630	LINC00630		140.5645576	123.902133	
138.3926417	261.1429202				
PNPLA8	PNPLA8	2545.389864	2182.505605	3153.56652	

2954.59174				
RDX	RDX	3979.148352	3261.063517	1695.533075
2602.00166				
ZNF484	ZNF484	563.4296018	522.0139046	1146.426787
776.8294812				
ITCH	ITCH	3050.2509	2083.993253	1895.532764
2020.322304				
ZFR	ZFR	7693.566787	7668.729559	8374.094108
8778.927341				
LDHA	LDHA	130449.7663	150585.7776	76629.345
114124.1699				
HCN3	HCN3	81.99599194	40.62365016	33.03566286
108.4167358				
MPC1	MPC1	1404.474205	1655.413744	1788.390073
1639.449597				
CRIP2	CRIP2	117.1371313	177.7284695	154.4640453
66.93554995				
TSSK4	TSSK4	52.71170911	34.53010264	67.85703723
78.24860065				
WNT9A	WNT9A	1.171371313	0	2.828262674
MAD2L2	MAD2L2	3243.527167	4503.13162	2706.245787
2634.055304				
PANK2	PANK2	3637.107928	3919.166649	4120.5293
3362.80432				
MLX	MLX	4671.428798	6171.748051	4646.421339
4523.33477				
WDR20	WDR20	1807.425937	2038.291647	2548.210319
2002.409973				
KIAA1804	KIAA1804		122.9939879	100.5435342
246.4281878		222.489997		
MAPT	MAPT	7.028227881	2.031182508	14.28569205
4.713771124				
SBN01	SBN01	6427.314397	6672.434539	7729.452254
6684.127453				
ZNF546	ZNF546	248.3307185	284.3655511	750.8916883
606.1909665				
TAP1	TAP1	24.59879758	811.457412	808.9273122
112.1877527				
EPO	EPO	0	3.046773762	0
MDK	MDK	67.93953618	28.43655511	376.7851278
170.6385147				
ADAM11	ADAM11	4.685485254	4.062365016	8.035701777
0.942754225				
NOV	NOV	0	1.015591254	0
NME3	NME3	1194.79874	1401.515931	907.1414451
999.3194782				
GPNMB	GPNMB	131.1935871	145.2295493	82.14272928
60.33627038				
NKX2-2	NKX2-2	26.94154021	27.42096386	22.32139383
20.74059294				

POLR2E POLR2E	12683.60858	16612.02614	9680.342074
9884.778046			
UTS2 UTS2	18.74194102	5.07795627	14.28569205
35.82466054			
MALT1 MALT1	5531.215342	4226.890799	5438.384392
6192.952502			
GPR148 GPR148	0 0	8.92855753	0
ZC3H12D ZC3H12D	5785.402917	4302.044552	2699.995797
4226.367189			
SNORA18 SNORA18	24.59879758	17.26505132	29.46423985
16.02682182			
SNORD100	SNORD100	8.199599194	5.07795627
8.035701777	34.88190631		
SNORD101	SNORD101	0 2.031182508	0
12.25580492			
SNORD12C	SNORD12C	78.481878	87.34084785
95.53556557	76.3630922		
AXDND1 AXDND1	0 3.046773762	40.17850889	0
SNORA9 SNORA9	64.42542224	106.6370817	96.42842133
105.5884732			
NEK6 NEK6	487.2904664	629.6665775	917.8557141
605.2482123			
ST20-MTHFS	ST20-MTHFS	1150.28663	1552.839027
1675.890248	1609.281462		
MTHFS MTHFS	1023.778528	1347.689594	1588.390385
1490.494429			
PPP2R5A PPP2R5A	4717.112279	3025.446346	2632.13876
3757.81834			
SLC26A5 SLC26A5	10.54234182	1.015591254	5.357134518
8.484788022			
MIR6511B1	MIR6511B1	22.25605496	11.17150379
15.1785478	18.85508449		
MIR6717 MIR6717	12.88508445	10.15591254	72.321316
41.48118589			
MIR6716 MIR6716	0 0	4.464278765	0
MIR6514 MIR6514	16.39919839	2.031182508	6.249990271
13.19855915			
MIR6515 MIR6515	53.88308042	31.48332888	33.03566286
29.22538097			
MIR6513 MIR6513	154.6210134	205.1494333	137.499786
154.6116929			
GALNT2 GALNT2	8405.760545	3509.883374	2150.889509
3793.643			
HMBS HMBS	3063.135985	3701.830121	1723.211603
2297.492046			
BMP5 BMP5	0 0	0 2.828262674	
NDUFA12 NDUFA12	11072.97303	10652.53666	5038.385014
6588.909277			
SULF2 SULF2	59.73993699	166.5569657	133.0355072
41.48118589			

FAM155A-IT1	FAM155A-IT1	0	0	0	1.885508449	
AMICA1	AMICA1	9058.214367	7846.458029	7125.881765		
9677.372117						
MIR7845	MIR7845	4.685485254	0	0		
MIR7844	MIR7844	3.51411394	2.031182508	0	2.828262674	
MIR6516	MIR6516	49.19759517	25.38978135	29.46423985		
30.16813519						
MIR1273H	MIR1273H		19.91331233	19.29623383		
45.5356434	33.93915209					
ATP11A-AS1	ATP11A-AS1		14.05645576	17.26505132		
4.464278765	10.37029647					
DLG3-AS1	DLG3-AS1		29.28428284	19.29623383		
14.28569205	8.484788022					
MIR7162	MIR7162	0	0	0.942754225		
ATPAF1	ATPAF1	5148.176923	6902.973754	5380.348768		
5187.976499						
ATP11C	ATP11C	703.9941594	415.3768229	732.1417175		
763.630922						
MYBPHL	MYBPHL	0	6.093547524	1.785711506	3.771016899	
USP6NL	USP6NL	138.221815	206.1650246	532.1420288		
494.945968						
ATXN2L	ATXN2L	5786.574288	1998.683588	2593.745963		
2752.842336						
CASP8AP2	CASP8AP2		2190.464356	1634.086328		
2748.210008	3083.749069					
ANAPC7	ANAPC7	4177.110104	4179.15801	3430.351803		
3431.625378						
EPHA1	EPHA1	16.39919839	55.85751897	399.9993774		
308.2806315						
TENM1	TENM1	93.70970508	31.48332888	32.14280711		
82.01961755						
PRPF40A	PRPF40A	11028.46092	11592.97417	9952.663079		
10647.46621						
MVK	MVK	272.929516	184.8376082	119.6426709		
120.6725408						
C1orf159	C1orf159		1000.351102	1218.709505		
1072.319759	932.3839282					
NCS1	NCS1	128.8508445	244.7574922	79.46416202		
202.6921583						
CELSR1	CELSR1	11.71371313	8.124730032	55.35705669		
29.22538097						
EIF2B2	EIF2B2	3496.543371	3907.995146	2003.56831		
2526.581322						
TMEM176B	TMEM176B		0	0	23.21424958	0
TEX101	TEX101	4.685485254	0	0	3.771016899	
SMARCC2	SMARCC2	9318.258799	6903.989345	7379.452799		
8213.274806						
CASP9	CASP9	1624.692012	1468.544953	548.2134324		
892.7882508						
PXYLP1	PXYLP1	400.6089892	380.8467203	1306.247967		

792.856303					
OR6K3	OR6K3	0	0	0.892855753	0
NPRL3	NPRL3	1540.353277		1250.192834	759.8202458
1035.144139					
COMMD5	COMMD5	1943.305009		2717.722196	2164.282345
1868.538873					
NR2C1	NR2C1	1197.141482		986.1391077	735.7131405
1172.786256					
CAPN14	CAPN14	30.45565415		7.109138778	0
GAS6	GAS6	85.51010588		82.26289158	34.88190631
87.6761429					39.28565313
RASGRP4	RASGRP4	522.4316058		1020.66921	92.85699832
198.9211414					
CACNA1D	CACNA1D	26.94154021		63.98224901	0
SPG11	SPG11	3541.055481		1956.028755	32.05364364
3136.543306					3188.387894
TMEM189	TMEM189	3223.613855		3634.801098	1925.889859
1872.30989					
TPBG	TPBG	0	1.015591254	81.24987353	96.16093092
YIPF4	YIPF4	3385.263096		3258.016743	3450.887485
2849.946021					
CHCHD5	CHCHD5	1233.453993		1295.89444	847.3201096
712.7221939					
KLHL4	KLHL4	4.685485254		0	14.28569205
TUBB4A	TUBB4A	78.481878		125.9333155	16.02682182
124.4435577					224.106794
KDM4A	KDM4A	2380.226509		2413.04482	1730.354449
2202.273869					
PICK1	PICK1	463.8630401		641.8536726	632.1418731
758.9171509					
CDK14	CDK14	74.96776406		92.41880412	24.10710533
39.59567744					
GIPC2	GIPC2	7.028227881		3.046773762	69.64274874
23.56885562					
CYR61	CYR61	1.171371313		1.015591254	0
MRPS28	MRPS28	2179.922014		2821.312504	10.37029647
1937.359932					1664.283124
POLR3D	POLR3D	1246.339078		1505.106239	1780.354372
1603.624936					
IGFBP4	IGFBP4	2548.903978		1900.171236	806.248745
1451.841506					
LETMD1	LETMD1	933.5829368		913.0165374	1260.712323
1100.19418					
PSPC1	PSPC1	2828.861722		3557.616163	2872.316958
2374.797892					
THEM6	THEM6	1602.435957		1511.199786	1384.819273
1449.955998					
ZNF771	ZNF771	200.3044946		243.741901	198.2139772
225.3182597					
TMEM245	TMEM245	4840.106267		4926.633173	6151.776138

5087.101797				
GORASP1	GORASP1	2874.545203	3050.836127	2344.639207
2759.441616				
C9orf24	C9orf24	17.5705697	13.2026863	22.32139383
12.25580492				
HBP1	HBP1	3669.906325	3863.30913	13323.19355
9095.69276				
STRIP2	STRIP2	2751.551215	2588.742107	673.2132378
1141.675366				
TFDP2	TFDP2	1545.038762	1465.49818	957.1413672
1291.573288				
ERGIC3	ERGIC3	4344.616202	5522.78524	3522.315946
3586.237071				
RDH5	RDH5	243.6452332	230.5392147	270.5352932
188.5508449				
COR01C	COR01C	6956.774231	5664.968015	1947.318397
3862.464059				
AMACR	AMACR	504.8610361	723.1009729	790.1773414
776.8294812				
ALG6	ALG6	2311.115601	2250.550219	1530.354761
1833.656967				
DPP7	DPP7	5332.082219	5586.767489	5772.312443
5837.534159				
ZFP69B	ZFP69B	138.221815	101.5591254	295.5352543
119.7297865				
SIGIRR	SIGIRR	1905.821127	1923.529835	1749.997276
1881.737433				
FMR1-AS1	FMR1-AS1		74.96776406	77.18493531
149.9997665	54.67974503			
NUDT8	NUDT8	195.6190093	253.8978135	326.7852056
268.684954				
WARS	WARS	33436.79414	66966.05611	60854.36956
54545.87393				
C15orf62	C15orf62		21.08468364	10.15591254
11.60712479	17.91233027			
HAUS2	HAUS2	2018.272773	1805.72125	1660.711701
1376.421168				
C10orf131	C10orf131		14.05645576	14.21827756
6.249990271	5.656525348			
TNP01	TNP01	6620.590664	4769.216529	5036.599303
5996.859623				
S1PR4	S1PR4	16100.4987	21325.38515	5801.776683
6810.456519				
SPIB	SPIB	7.028227881	8.124730032	0 18.85508449
SEMA3C	SEMA3C	0 0	50.89277792	0
SELPLG	SELPLG	37495.59574	46470.40901	17373.18724
19578.17698				
SLC22A5	SLC22A5	255.3589463	268.1160911	373.2137048
409.1553335				
RECQL	RECQL	12423.56415	12753.79497	7513.381162

11315.87896						
HLA-DMB HLA-DMB	36.31251072	0	0	26.39711829		
S100A3 S100A3	3.51411394	0	0	0		
ALG13 ALG13	1418.530661	1486.825596		1770.532958		
1449.955998						
C9orf153 C9orf153	4.685485254			6.093547524		
14.28569205	7.542033798					
DYRK1A DYRK1A	277.6150013	142.1827756		293.7495427		
432.7241891						
RHBDF2 RHBDF2	1628.206126	1743.770183		1619.640336		
2044.833913						
PCBD2 PCBD2	1043.69184	1051.136948		548.2134324		
651.4431693						
ARL6 ARL6	179.219811	240.6951272		313.3923693		
253.6008864						
ZRANB3 ZRANB3	291.6714571	414.3612317		344.6423207		
337.5060124						
RBL1 RBL1	5204.402746	3694.720982		2965.173956		
3567.381986						
EIF5AL1 EIF5AL1	40.99799597	73.12257029		53.57134518		
21.68334717						
GAB3 GAB3	661.8247921	344.2854351		569.6419704		
625.9888052						
NOXRED1 NOXRED1	4.685485254	7.109138778		41.96422039		
17.91233027						
HIGD1A HIGD1A	9714.182303	10075.68083		5810.705241		
7110.252363						
MAP3K19 MAP3K19	4.685485254	2.031182508	0	15.0840676		
KCNIP4 KCNIP4	9.370970508	6.093547524		21.42853807		
38.65292321						
SNORA28 SNORA28	23.42742627	11.17150379		26.78567259		
28.28262674						
SNORD102 SNORD102	31.62702546			9.140321286		
24.99996108	35.82466054					
SNORD58B SNORD58B	158.1351273			222.4144846		
285.713841	193.2646161					
NIPAL2 NIPAL2	80.82462063	63.98224901		34.82137437		
72.5920753						
HRASLS5 HRASLS5	0	3.046773762	12.49998054	0		
ALDH3A1 ALDH3A1	2.342742627	0	0	0		
SIGLEC11 SIGLEC11	0	0	1.785711506	0		
TPTE2 TPTE2	1.171371313	2.031182508		8.92855753		
3.771016899						
UPK3BL UPK3BL	712.1937586	771.8493531		933.9271177		
859.7918529						
SRP54 SRP54	7014.171425	8312.614414		8363.379839		
6598.336819						
EIF2S3 EIF2S3	5927.138846	6861.334512		6071.419121		
5511.341198						
ZNF345 ZNF345	270.5867734	253.8978135		692.8560644		

626.9315594				
MIB2	MIB2	631.369138	646.9316288	1268.748025
1072.854308				
ADCK4	ADCK4	1118.659604	1123.243927	761.6059573
904.1013015				
DDX3Y	DDX3Y	6748.270137	0	0.892855753
ADAD2	ADAD2	2.342742627	23.35859884	7782.436125
5.656525348				28.5713841
PLIN3	PLIN3	4315.331919	5588.798671	2007.139733
3133.715043				
XIAP	XIAP	715.7078725	483.4214369	773.2130821
730.6345242				
SPG20	SPG20	2564.131805	2480.073842	6122.311899
5303.935268				
SEMA7A	SEMA7A	290.5000857	77.18493531	142.8569205
282.8262674				
NFE2L2	NFE2L2	6256.294185	7950.048337	12780.33725
9884.778046				
LSM2	LSM2	1.171371313	0	0.892855753
ZNF696	ZNF696	333.8408243	295.5370549	0
673.1265164				649.1061325
SNAPC5	SNAPC5	1772.284797	2082.977662	2195.532297
2011.837516				
SUCLG1	SUCLG1	5251.257598	6414.474361	3833.029748
4213.16863				
MAMLD1	MAMLD1	1364.64758	673.3370014	351.7851667
343.1625378				
POFUT2	POFUT2	475.5767533	254.9134048	472.3206934
361.0748681				
TM2D3	TM2D3	2297.059146	2536.946953	2978.566792
2523.75306				
TSEN34	TSEN34	1287.337073	1404.562704	2626.781625
1913.791076				
PVRIG	PVRIG	3851.468879	5643.640599	3269.637768
4510.136211				
SPATA5L1	SPATA5L1		842.2159744	1074.495547
1245.533775				
SMAD4	SMAD4	4742.882448	3892.761277	6748.203781
5846.961702				
GSC2	GSC2	0	1.015591254	0
SOX15	SOX15	49.19759517	62.96665775	0
28.28262674				25.89281684
ATE1	ATE1	3050.2509	2878.185614	2478.56757
2475.672594				
MRPL28	MRPL28	5319.197134	8803.14499	3698.208529
3952.02571				
SIVA1	SIVA1	6567.878955	9943.653968	6624.989687
5269.053362				
FBX09	FBX09	3904.180588	4278.685953	3589.280127
4297.073756				

SDF2	SDF2	2905.000857	4058.302651	3018.745301
2961.19102				
SIRT5	SIRT5	687.594961	774.8961268	811.6058795
929.5556656				
LOC101927131	LOC101927131		1.171371313	2.031182508
5.357134518	0			
LGALS9	LGALS9	3744.874089	2373.436761	758.0345343
1044.571681				
TR0	TR0	18.74194102	24.3741901	390.1779641
120.6725408				
CLIP2	CLIP2	53.88308042	23.35859884	59.82133545
64.10728728				
MYBPC2	MYBPC2	3.51411394	2.031182508	0 0.942754225
SSH1	SSH1	2627.385856	1396.437974	1507.140511
1717.698197				
RAB1B	RAB1B	2717.581447	946.5310488	514.2849137
820.1961755				
ACRV1	ACRV1	24.59879758	17.26505132	7.142846024
4.713771124				
MSH3	MSH3	2361.484568	2155.084641	1092.855442
1636.621334				
STX18	STX18	1622.349269	1923.529835	1461.604868
1752.580104				
CCDC132	CCDC132	1629.377497	1615.805685	2074.103914
1868.538873				
ACADVL	ACADVL	17102.02118	21376.16472	11117.83984
13681.24931				
RPL3L	RPL3L	1.171371313	1.015591254	0 2.828262674
PLCL1	PLCL1	311.5847694	336.1607051	1254.462333
1235.950789				
CLTA	CLTA	6966.145201	8656.89985	4916.956632
5255.854803				
SMTN	SMTN	1218.226166	1469.560545	459.8207128
603.3627038				
CNRIP1	CNRIP1	2.342742627	0 1.785711506	0
ZNF521	ZNF521	0 1.015591254	0 0	
MTMR9	MTMR9	973.4095615	814.5041857	1276.783727
1408.474812				
CNOT6	CNOT6	3248.212652	1957.044347	1834.818572
2001.467219				
PHF12	PHF12	1268.595132	512.8735833	922.3199929
891.8454966				
PLEKHN1	PLEKHN1	67.93953618	84.29407409	67.85703723
88.61889712				
TMBIM6	TMBIM6	65492.54151	91492.58489	79614.16179
70902.65973				
CEP44	CEP44	1213.540681	935.359545	998.2127319
1255.748627				
ETV3	ETV3	147.5927855	113.7462205	119.6426709
106.5312274				

PGAM1	PGAM1	26688.52401	34299.56342	18183.90027	
24487.09823					
ADAMTS4	ADAMTS4	62.08267961	138.1204106	0	15.0840676
CPNE9	CPNE9	0	1.015591254	0	1.885508449
MYT1L	MYT1L	2.342742627	0	0	12.25580492
CHSY1	CHSY1	658.3106782	555.528416		361.60658
623.1605425					
ZNF607	ZNF607	148.7641568	222.4144846		602.6776333
536.4271539					
TFPT	TFPT	1010.893444	1365.970237		740.1774193
643.9011355					
LPAR3	LPAR3	0	0	49.99992217	21.68334717
PRDX1	PRDX1	29652.09343	35872.71428		20457.11101
20595.40879					
VIPR1-AS1	VIPR1-AS1		11.71371313		10.15591254
97.32127708		63.16453306			
BAGE4	BAGE4	0	0	0.942754225	
YIF1B	YIF1B	3264.611851	4196.423062		1955.354099
1920.390356					
CTD-2201I18.1	CTD-2201I18.1		19.91331233		9.140321286
34.82137437		108.4167358			
LOC101928796	LOC101928796		5.856856567		2.031182508
1.885508449					0
MRPL11	MRPL11	3877.239048	5358.259456		2838.388439
3115.802713					
KIF27	KIF27	173.3629544	137.1048193		357.1423012
172.5240231					
MLNR	MLNR	0	0	3.771016899	
MDM2	MDM2	11372.84408	7979.500483		6671.418187
5487.772342					
MEST	MEST	158.1351273	232.5703972		416.9636367
247.0016069					
KRT1	KRT1	23.42742627	3.046773762		4.464278765
191.3791076					
HLA-DMA	HLA-DMA	183.9052962	249.8354485		109.8212576
134.8138541					
KIF26B	KIF26B	4.685485254	1.015591254		0.892855753
3.771016899					
CLIC5	CLIC5	856.2724301	300.6150112		485.7135296
773.0584643					
TRDN	TRDN	0	0	0.942754225	
DEK	DEK	9708.325446	8023.170907		9708.020603
10597.50024					
USP7	USP7	2233.805095	1825.017484		1750.890132
1724.297477					
FZD5	FZD5	9.370970508	9.140321286		58.03562395
10.37029647					
IL4	IL4	45.68348122	119.839768		10.71426904
60.33627038					
IL2	IL2	40.99799597	116.7929942		1699.997354

131.9855915						
ALPL	ALPL	3.51411394	0	0	0	
ALB	ALB	0	0	0	0.942754225	
ZNF81	ZNF81	169.8488405	134.0580455		196.4282657	
189.4935992						
C4A	C4A	0	0	0	1.885508449	
PCDHGA3	PCDHGA3	1.171371313	14.21827756		9.821413283	
16.96957604						
RTFDC1	RTFDC1	8425.673858	10294.03295		7236.595878	
7554.289603						
PRND	PRND	1.171371313	1.015591254		12.49998054	0
CPSF3	CPSF3	7160.592839	8617.291791		5066.063543	
5693.292763						
MMRN1	MMRN1	14.05645576	28.43655511		24.10710533	
16.96957604						
DNA2	DNA2	2561.789063	2365.312031		837.4986963	
1231.237017						
AIF1L	AIF1L	9.370970508	25.38978135		24.99996108	
16.02682182						
SEC23B	SEC23B	9568.93226	12917.30516		7902.66627	
9162.62831						
OGG1	OGG1	2174.065158	2114.460991		1330.355072	
1960.928787						
NFRKB	NFRKB	2627.385856	2722.800152		3864.279699	
3078.092544						
WDR89	WDR89	1255.710048	1303.003579		2638.38875	
2325.774672						
DTD2	DTD2	469.7198967	376.7843553		461.6064243	
559.0532553						
NEU1	NEU1	0	2.031182508	0	0	
ZBTB14	ZBTB14	1302.564901	1247.14606		1308.033678	
1691.301079						
RANGRF	RANGRF	3214.242884	4469.617109		2699.995797	
2721.731447						
SCOC	SCOC	2655.498768	2537.962544		3125.887991	
3541.927622						
HNRNPD	HNRNPD	22147.11742	22209.96513		14974.97669	
18477.04005						
PTPRC	PTPRC	67380.79206	50480.97887		52793.66782	
82934.08915						
PLGRKT	PLGRKT	1673.889607	1450.264311		962.4985018	
1300.058076						
BATF3	BATF3	497.8328082	330.0671576		799.9987547	
872.9904121						
KIAA1407	KIAA1407		98.39519033		103.5903079	
229.4639285		181.9515654				
ADIPOR2	ADIPOR2	609.113083	388.9714503		231.24964	
338.4487667						
SMPD3	SMPD3	125.3367305	309.7553325		658.03469	
298.8530892						

FAM13A	FAM13A	53.88308042	438.7354217	2527.674637
276.2269878				
CYTL1	CYTL1	0	3.046773762	0
ZNF395	ZNF395	473.2340106	304.6773762	0.942754225
1103.022443				971.4270593
ACP6	ACP6	555.2300026	503.733262	462.4992801
639.1873644				
ABL2	ABL2	245.9879758	143.1983668	416.0707809
450.6365194				
COQ10B	COQ10B	3452.031261	3904.948372	4387.49317
4046.301132				
CD101	CD101	828.1595186	1156.758438	604.4633448
389.3574948				
GBAP1	GBAP1	340.8690522	300.6150112	216.963948
289.425547				
LM02	LM02	0	3.046773762	7.142846024
ZFAND5	ZFAND5	8474.871453	10057.40019	1.885508449
10105.38253				9898.198878
TMEM38A	TMEM38A	128.8508445	258.9757698	102.6784116
78.24860065				
ZFYVE21	ZFYVE21	983.9519033	1165.89876	1563.390424
1169.957993				
BAIAP2	BAIAP2	131.1935871	157.4166444	349.1065994
168.7530062				
TTLL2	TTLL2	0	0	4.713771124
FLRT1	FLRT1	10.54234182	9.140321286	6.249990271
5.656525348				
C7orf25	C7orf25	879.6998564	996.2950202	880.3557725
945.5824874				
KCTD15	KCTD15	55.05445173	12.18709505	38.39279738
51.85148236				
VPS41	VPS41	4570.690865	4775.310077	3713.387077
4615.724684				
RP1L1	RP1L1	0	0	26.78567259
STARD13	STARD13	101.9093043	73.12257029	0
17.91233027				5.357134518
RAP2A	RAP2A	1895.278785	730.2101117	634.8204404
746.661346				
SIRT2	SIRT2	3812.813625	5105.377234	2812.495622
2821.663395				
VDAC1	VDAC1	16357.02902	20925.2422	11274.98245
14702.25213				
TMEM184C	TMEM184C		2773.80727	3080.288274
3115.173722		3261.929618		
KLHL21	KLHL21	3607.823645	4041.0376	10970.51864
6173.154663				
PRKG2	PRKG2	35.1411394	42.65483267	233.0353515
102.7602105				
DNAJC3	DNAJC3	2815.976638	2236.331941	2434.817639
2667.051702				

TXNDC9	TXNDC9	3905.351959	4215.719296	2729.460037
3187.452034				
XP05	XP05	5797.11663	5370.446551	3635.708626
4014.247489				
TMEM60	TMEM60	1359.962095	1713.302446	1283.926573
1283.0885				
DENND1A	DENND1A	600.9134838	628.6509863	395.5350986
495.8887222				
DEPDC7	DEPDC7	69.11090749	60.93547524	207.1425347
100.874702				
C9orf66	C9orf66	350.2400227	414.3612317	99.10698859
169.6957604				
C4orf45	C4orf45	0	1.015591254	0
CLN8	CLN8	695.7945602	710.9138778	795.5344759
818.3106671				
UNC50	UNC50	2114.325221	2666.942633	2941.06685
2641.597338				
SCN5A	SCN5A	0	1.015591254	13.3928363
DCAF13	DCAF13	7414.780414	8811.26972	6003.562083
7102.710329				
PDC	PDC	1.171371313	0	0
GPR135	GPR135	8.199599194	10.15591254	33.03566286
4.713771124				
EAPP	EAPP	2560.617691	3105.678055	4796.421105
3938.827151				
FER	FER	176.8770683	249.8354485	213.392525
346.9335547				
BCAN	BCAN	19.91331233	38.59246765	9.821413283
32.05364364				
TEAD4	TEAD4	16.39919839	26.40537261	38.39279738
16.96957604				
CCDC62	CCDC62	26.94154021	19.29623383	44.64278765
26.39711829				
DENND5A	DENND5A	918.3551098	1873.765864	6441.061402
4031.217065				
TIGD6	TIGD6	513.0606353	555.528416	765.1773803
726.8635073				
EFHD1	EFHD1	18.74194102	96.48116913	241.9639091
83.905126				
RAB5C	RAB5C	2025.301001	1650.335788	1271.426592
1421.673371				
GAS7	GAS7	21.08468364	8.124730032	27.67852834
33.93915209				
RASSF6	RASSF6	3.51411394	0	57.14276819
CADPS	CADPS	0	0	15.0840676
DNM1L	DNM1L	6497.596676	2.678567259	0
4793.905233			6145.342678	4333.921825
DGKG	DGKG	28.11291152	79.21611782	0
ZNF578	ZNF578	15.22782708	8.124730032	28.28262674
32.05364364				60.71419121

FNDC3A	FNDC3A	2169.379673	1388.313244	3435.708938
3589.065333				
SON	SON	13856.15127	9628.82068	14172.29937
14802.18408				
IGFL2	IGFL2	0	5.07795627	0
ATE1-AS1	ATE1-AS1		66.76816487	46.71719769
70.53560449		51.85148236		
PAK6	PAK6	680.5667331	704.8203303	268.7495817
436.495206				
PAK1	PAK1	2160.008702	3476.368863	1289.283707
1215.210196				
CBX5	CBX5	14747.56484	9572.963161	5764.276742
6817.998553				
UBAP2L	UBAP2L	15250.08313	14982.00218	11222.30396
12083.2809				
ZNF566	ZNF566	353.7541367	248.8198572	946.4270982
792.856303				
SMIM8	SMIM8	497.8328082	450.9225168	462.4992801
774.9439727				
KPRP	KPRP	0	0	6.249990271
ZDHHC19	ZDHHC19	3.51411394	0	0.892855753
CHST4	CHST4	3.51411394	0	0
MAGEA8	MAGEA8	5.856856567	0	12.49998054
ARMC10	ARMC10	1942.133638	2329.766337	2511.603233
2667.994456				
LATS2	LATS2	89.02421982	19.29623383	13.3928363
30.16813519				
BCAR1	BCAR1	15.22782708	4.062365016	36.60708587
27.33987252				
DHX34	DHX34	1579.008531	2090.086801	2761.602844
2130.624548				
OR3A1	OR3A1	39.82662466	14.21827756	24.10710533
65.05004151				
SPOCK3	SPOCK3	2.342742627	1.015591254	0
AP4S1	AP4S1	358.4396219	329.0515663	2.828262674
473.2626208				523.2134713
ZNF883	ZNF883	9.370970508	7.109138778	15.1785478
30.16813519				
MATN4	MATN4	37.48388203	76.16934405	45.5356434
16.96957604				
MPDZ	MPDZ	1.171371313	0	3.571423012
HSD17B10	HSD17B10		6075.903003	0
4505.35013		4237.68024		10205.67651
SNORD81	SNORD81	31.62702546	33.51451138	76.78559476
62.22177883				
LINC00634	LINC00634		7.028227881	0
LINC00304	LINC00304		0	1.015591254
RPL13AP20	RPL13AP20		1.171371313	0
		3.771016899		1.785711506
RBP3	RBP3	0	0	0
			0	0.942754225

RAF1	RAF1	8863.766729	9836.001295	10763.3761
9083.436955				
PMF1-BGLAP	PMF1-BGLAP	2423.210514	2885.087545	3642.925828
3078.092544				
LETM2	LETM2	496.6614369	446.8601518	245.5353321
345.9908005				
CCER2	CCER2	9.370970508	9.140321286	9.821413283
6.599279573				
LRR63	LRR63	46.85485254	19.29623383	38.39279738
103.7029647				
RANBP6	RANBP6	2034.671971	1738.692227	1700.89021
2845.23225				
MUC6	MUC6	1.171371313	0	0
LAMC3	LAMC3	4.685485254	25.38978135	7.142846024
7.542033798				
MTHFR	MTHFR	564.6009731	512.8735833	1103.569711
952.181767				
MTHFD1	MTHFD1	18779.4249	24516.37287	9068.735884
12696.07114				
CACNA1C-AS1	CACNA1C-AS1	101.7855558	14.05645576	12.18709505
119.7297865				
NABP1	NABP1	1841.395705	666.2278627	1238.390929
2229.613741				
DIP2A-IT1	DIP2A-IT1	12.49998054	14.05645576	9.140321286
16.02682182				
MTUS2-AS1	MTUS2-AS1	0	0	8.035701777
0				0
CRB1	CRB1	0	12.18709505	6.249990271
18.85508449				
DHRS4L2	DHRS4L2	823.4740334	724.1165641	423.2136269
783.4287607				
STK35	STK35	2211.54904	1311.128309	2100.889587
1830.828704				
HAUS4	HAUS4	2990.510963	3086.381821	1766.068679
2171.16298				
TPP1	TPP1	9431.881816	9585.150256	12447.30205
13566.23329				
CUX1	CUX1	1009.722072	893.7203036	863.3915132
1158.644942				
COMMD9	COMMD9	1985.474376	2572.492647	1994.639752
2001.467219				
CCDC59	CCDC59	1293.19393	1461.435815	1817.854313
1429.215405				
RAB6C	RAB6C	4.685485254	2.031182508	0.892855753
0				0
BC02	BC02	10.54234182	0	20.53568232
11.3130507				
DEFB121	DEFB121	0	7.142846024	0
0				
PPIAL4G	PPIAL4G	0	1.015591254	1.785711506
1.885508449				
SMC02	SMC02	4.685485254	10.15591254	0
2.828262674				
AARSD1	AARSD1	1515.75448	2325.703972	2037.496828
1740.324299				
PTGES3L	PTGES3L	16.39919839	6.093547524	0.892855753
24.51160984				

ACSS1	ACSS1	5353.166903	6523.142625	4555.350052		
4438.48689						
EPB41L2	EPB41L2	3277.496935	3228.564597	1820.53288		
2079.71582						
PLP1	PLP1	0	0	1.885508449		
PAFAH1B1	PAFAH1B1		4694.856224	3664.253245		
3672.315712		3647.516095				
KPNA5	KPNA5	233.1028914	184.8376082	1243.748064		
796.6273199						
PARD3	PARD3	161.6492413	16.24946006	27.67852834		
221.5472428						
ALDH8A1	ALDH8A1	37.48388203	12.18709505	27.67852834		
8.484788022						
CDADC1	CDADC1	456.8348122	587.0117448	610.7133351		
435.5524518						
MICAL1	MICAL1	5260.628569	3439.807577	1636.604595		
3182.738263						
TEF	TEF	315.0988833	233.5859884	357.1423012		
217.7762259						
LMLN	LMLN	312.7561407	413.3456404	695.5346316		
388.4147406						
ARRB1	ARRB1	701.6514168	742.3972067	671.4275263		
576.9655855						
KRTAP21-3	KRTAP21-3		2.342742627	0	0	0
TBC1D8	TBC1D8	38.65525334	122.8865417	248.2138993		
141.4131337						
EXOC1	EXOC1	2557.103577	2712.64424	2561.603155		
3120.516484						
SNORD116-23	SNORD116-23		0	0	3.571423012	
1.885508449						
SNORD116-22	SNORD116-22		8.199599194	3.046773762		0
6.599279573						
SNORD116-21	SNORD116-21		0	4.062365016	0	
0.942754225						
LOC100289092	LOC100289092		60.9113083	64.99784026		
31.24995136		30.16813519				
EXTL3	EXTL3	1540.353277	968.8740564	1300.890832		
1505.578497						
TUBB2B	TUBB2B	19.91331233	14.21827756	29.46423985		
15.0840676						
ARMC8	ARMC8	3785.872085	4431.024641	4653.564185		
4541.2471						
LRTOMT	LRTOMT	2856.974634	3548.475842	1638.390307		
1924.161373						
SMYD3	SMYD3	590.371142	728.1789292	574.999105		
653.3286777						
CDH15	CDH15	1.171371313	3.046773762	3.571423012		
1.885508449						
AGTPBP1	AGTPBP1	2671.897966	1881.890594	1859.818534		
2036.349125						

ATCAY	ATCAY	1.171371313	0	0	0
RBFOX1	RBFOX1	0	0	1.785711506	0
METTL4	METTL4	1645.776695	1290.816484		1851.782832
1922.275864					
TSSC2	TSSC2	1.171371313	0	0	4.713771124
TMPRSS7	TMPRSS7	1.171371313	0	2.678567259	0.942754225
MTOR-AS1	MTOR-AS1		121.8226166		27.42096386
31.24995136	49.96597391				
FAM86DP	FAM86DP	199.1331233	290.4590987		470.5349818
285.6545301					
LMAN2L	LMAN2L	886.7280843	1375.110558		1632.140317
1204.839899					
FAM154B	FAM154B	8.199599194	10.15591254		8.92855753
8.484788022					
ESC02	ESC02	3177.930373	2903.575395		1507.140511
1774.263451					
KY	KY	1.171371313	0	0	0
FGD4	FGD4	9.370970508	5.07795627		35.71423012
16.96957604					
USP20	USP20	5407.049983	3986.195672		4482.13588
3779.501687					
MLLT11	MLLT11	385.3811621	444.8289693		308.9280905
170.6385147					
ERP29	ERP29	6614.733807	7604.74731		7161.595995
7098.939312					
PSMF1	PSMF1	7675.996217	8304.489684		7596.416747
7770.18032					
C4B_2	C4B_2	0	0	1.885508449	
GNAZ	GNAZ	2.342742627	0	15.1785478	15.0840676
PGGT1B	PGGT1B	1518.097222	472.2499331		383.0351181
1779.919976					
B3GALT4	B3GALT4	36.31251072	0	0	29.22538097
B3GALNT1	B3GALNT1		120.6512453		1076.526729
118.7498152	85.79063445				
B4GALT2	B4GALT2	581.0001715	470.2187506		201.7854002
267.7421998					
MRPL40	MRPL40	2676.583451	3263.094699		2328.567804
2331.431198					
GNRH2	GNRH2	1.171371313	0	6.249990271	2.828262674
KCNH7	KCNH7	0	0	0.892855753	2.828262674
GPATCH1	GPATCH1	844.558717	945.5154575		1049.998366
1023.831088					
NIPAL3	NIPAL3	4509.779557	4573.207417		5897.312249
4863.669045					
PTPN18	PTPN18	6535.080558	6877.583972		2975.888225
4203.741088					
LPAR4	LPAR4	1.171371313	7.109138778		0
MAFF	MAFF	295.185571	337.1762963		668.748959
473.2626208					
PCDHGC4	PCDHGC4	4.685485254	14.21827756		9.821413283

12.25580492					
CMTR1	CMTR1	7015.342796	5405.992245	6274.097377	
5237.942473					
TPT1	TPT1	18518.20909	19278.96878	23600.85612	
21333.58535					
TUBGCP3	TUBGCP3	4786.223187	5591.845445	3397.31614	
4058.556937					
TCP11L2	TCP11L2	262.3871742	178.7440607	490.1778084	
519.4575778					
LIMD2	LIMD2	25219.62438	24885.0325	13016.05117	
14960.56679					
THAP7	THAP7	1327.163698	1814.861571	3247.316374	
1968.470821					
HIRIP3	HIRIP3	3392.291324	4261.420902	3274.102046	
2928.194622					
ZNF605	ZNF605	189.7621528	114.7618117	176.7854391	
269.6277083					
AMT	AMT	142.9073002	95.46557788	92.85699832	
233.8030477					
PNMA5	PNMA5	4.685485254	2.031182508	3.571423012	
2.828262674					
PCYT2	PCYT2	2701.182249	3202.159224	2539.281762	
2389.88196					
DCHS2	DCHS2	0	0	6.249990271	0
ZNF260	ZNF260	880.8712277	682.4773227	1257.1409	
1264.233415					
EIF2AK2	EIF2AK2	6017.334437	5337.947631	8433.915443	
6997.121856					
RASA4CP	RASA4CP	153.4496421	207.1806158	177.6782949	
217.7762259					
GRAP2	GRAP2	3825.69871	5084.049818	5140.17057	
3870.006092					
NHS	NHS	212.0182077	84.29407409	64.28561422	
268.684954					
C19orf71	C19orf71		43.3407386	4.062365016	
18.74997081	31.11088942				
C12orf73	C12orf73		486.1190951	426.5483267	
330.3566286	362.0176223				
HMGB2	HMGB2	52828.84624	66153.58311	26565.13722	
31028.8698					
UXT	UXT	3674.59181	3842.997305	3675.887135	
3379.773896					
ZNF572	ZNF572	0	0	251.7853224	95.2181767
PACRG	PACRG	0	3.046773762	0.892855753	3.771016899
AFAP1L1	AFAP1L1	15.22782708	6.093547524	5.357134518	0
DPM2	DPM2	2759.750815	3579.959171	2398.210553	
2865.972843					
ADAM17	ADAM17	1890.5933	1677.756752	1840.175707	
1959.986033					
ESR2	ESR2	28.11291152	13.2026863	42.85707615	

18.85508449					
DLG2	DLG2	7.028227881	4.062365016	17.85711506	
5.656525348					
CD53	CD53	27389.00405	29480.58292	16516.93858	
19738.4452					
MRPS16	MRPS16	7472.177609	7735.758582	5597.312716	
5549.051367					
DNAJC13	DNAJC13	3030.337588	1442.139581	1327.676505	
2014.665778					
SLC9A8	SLC9A8	1143.258402	1210.584775	1259.819468	
1053.999223					
KIR3DL2	KIR3DL2	155.7923847	0	73.21417175	180.0660569
DNAJB2	DNAJB2	347.8972801	66.01343151	231.24964	
125.3863119					
HIVEP2	HIVEP2	3146.303348	969.8896476	2932.138293	
2773.582929					
CENPI	CENPI	998.0083591	708.8826953	287.4995525	
440.2662229					
NCAPD3	NCAPD3	10900.78144	10497.1512	4774.992567	
6698.268767					
PRRC2A	PRRC2A	5.856856567	4.062365016	2.678567259	
3.771016899					
TNP03	TNP03	8780.599366	10268.64317	7841.059223	
8723.304841					
CDRT4	CDRT4	248.3307185	293.5058724	292.856687	
223.4327513					
LYSMD2	LYSMD2	1354.105238	1518.308925	4488.38587	
3304.353558					
SEC14L1	SEC14L1	5977.507813	5880.273361	2905.35262	
2798.094539					
VSIG10L	VSIG10L	48.02622385	35.54569389	41.96422039	
64.10728728					
LOC100128164	LOC100128164		1.171371313	5.07795627	0
0.942754225					
PLEKHA4	PLEKHA4	51.54033779	90.38762161	257.1424569	
159.325464					
ASAH2	ASAH2	14.05645576	11.17150379	12.49998054	
17.91233027					
FAM136A	FAM136A	4686.656625	6009.25345	3133.030837	
3717.279908					
DCAF4	DCAF4	400.6089892	700.7579653	990.1770301	
479.8619004					
MTHFD2	MTHFD2	8295.651642	7631.152683	6704.45385	
7811.661506					
FAM122A	FAM122A	1252.195934	1667.600839	1409.819234	
1378.306677					
MS4A12	MS4A12	0	0	1.785711506	0
VSIG2	VSIG2	4.685485254	1.015591254	28.5713841	
27.33987252					
RNF125	RNF125	3042.051301	1879.859411	1826.782871	

1858.168577				
NAP1L4	NAP1L4	27828.26829	27505.25793	17222.29462
19402.8247				
SPACA3	SPACA3	0	0	1.885508449
URI1	URI1	2585.216489	1602.602999	2290.175007
2501.126958				
ZNF638	ZNF638	5385.965299	4945.929407	5802.669539
6122.245935				
VCAM1	VCAM1	0	5.07795627	17.85711506
47.13771124				
CTDSP1	CTDSP1	1966.732435	1145.586935	523.2134713
525.1141032				
NPHP1	NPHP1	14.05645576	12.18709505	54.46420093
32.05364364				
GABPB1	GABPB1	4877.590149	4736.717609	3035.70956
3993.506896				
POLR3E	POLR3E	2974.111765	3377.856511	2602.67452
2540.722636				
IDH3A	IDH3A	7378.467903	10247.31575	6679.453888
6671.871648				
POLL	POLL	748.5062693	895.7514861	762.4988131
793.7990572				
SLC03A1	SLC03A1	2304.087374	3278.328568	1676.783104
1634.735826				
AHCYL1	AHCYL1	5698.72144	5188.655717	4623.207089
4920.234299				
HOXD3	HOXD3	1.171371313	1.015591254	0
0				0
CPSF6	CPSF6	10875.01127	11220.25217	7649.988092
8745.930943				
SCRIB	SCRIB	1263.909647	373.7375815	318.7495038
383.7009695				
TMEM35	TMEM35	1.171371313	0	0
0				0
KLF6	KLF6	8166.800797	10965.33877	23025.85701
20750.02049				
LRRC41	LRRC41	5574.556081	7636.230639	6830.346511
5510.398443				
MB21D1	MB21D1	3213.071513	2778.657671	1466.069146
1291.573288				
FLYWCH2	FLYWCH2	785.9901513	1005.435342	774.9987936
808.8831248				
NIT1	NIT1	2716.410076	2905.606578	2650.888731
2700.990854				
EHD4	EHD4	3947.521326	3180.831808	2209.817989
2675.53649				
RELB	RELB	5879.112622	5333.885266	8423.201174
6843.452917				
PLCH1	PLCH1	44.51210991	20.31182508	0
59.39351616				
RAD54L2	RAD54L2	4558.977152	3904.948372	3209.816432
3172.367966				
MDM1	MDM1	2301.744631	1291.832075	1128.569672
1437.700193				

RTF1	RTF1	2424.738619	2145.94432	1793.747208	
1657.361927					
TP53I3	TP53I3	304.5565415	501.7020795	283.0352737	
162.1537267					
TDRD5	TDRD5	0	0	3.771016899	
FYN	FYN	15426.9602	14243.66734	20957.11024	
25392.14229					
EVA1A	EVA1A	11.71371313	11.17150379	10.71426904	
1.885508449					
DUSP12	DUSP12	1548.552876	1808.768023	1916.961302	
1753.522858					
RAB10	RAB10	12231.45926	13298.15188	11385.69656	
13024.14961					
DCTN3	DCTN3	3976.805609	5026.161116	2744.638585	
2559.57772					
MAP1B	MAP1B	28.11291152	34.53010264	7.142846024	
23.56885562					
SH3BP5-AS1	SH3BP5-AS1		5220.801944	4790.543945	
1743.747286	2351.229036				
VSX1	VSX1	3.51411394	1.015591254	0	0.942754225
BIN2	BIN2	13604.30643	16141.80739	7133.024611	
7647.622271					
ZBP1	ZBP1	510.7178927	752.5531193	1765.175824	
965.3803261					
MINOS1	MINOS1	5670.608528	5585.751897	4671.4213	
4540.304346					
VWDE	VWDE	11.71371313	61.9510665	106.2498346	
27.33987252					
CMTM6	CMTM6	16112.21242	22868.06827	14874.08399	
15224.53797					
MANSC1	MANSC1	17.5705697	15.23386881	37.49994163	
49.96597391					
USP18	USP18	3777.672486	4184.235967	4995.527938	
3335.464447					
NRDE2	NRDE2	739.1352988	673.3370014	699.1060546	
666.5272369					
LINC00371	LINC00371		0	24.99996108	0
DCAF11	DCAF11	8445.58717	9928.4201	9497.306645	
8950.508609					
TK2	TK2	604.4275977	499.670897	298.2138215	
379.9299526					
TRMU	TRMU	2027.643744	2180.474422	2114.282423	
2179.647768					
TSC22D1	TSC22D1	155.7923847	67.02902277	1293.747986	
342.2197836					
PTBP3	PTBP3	10425.20469	6583.062509	4888.385248	
5740.430474					
ZC3H18	ZC3H18	3710.904321	2648.661991	2119.639558	
2398.366748					
GTSF1	GTSF1	285.8146005	615.4483	616.0704696	

404.4415624					
RHEBL1	RHEBL1	693.4518176	730.2101117	459.8207128	
376.1589357					
ZNF454	ZNF454	0	0	10.71426904	0
PRDX5	PRDX5	5794.773888	9014.387971	6133.919023	
5225.686668					
DTWD1	DTWD1	544.6876608	475.2967069	884.8200513	
667.4699911					
ZNF41	ZNF41	784.81878	822.6289158	1107.141134	
1122.820282					
ZNF733P	ZNF733P	0	0	0	1.885508449
PCDHGA8	PCDHGA8	0	14.21827756	9.821413283	12.25580492
PBXIP1	PBXIP1	10497.82971	10470.74583	10204.4484	
10957.63235					
STAT5A	STAT5A	10069.10781	13393.61746	19616.04089	
16496.31342					
ATG3	ATG3	5202.060003	6258.073307	5502.670006	
4890.066164					
GBP5	GBP5	25882.62054	37938.42689	130323.9043	
89969.86393					
TAOK2	TAOK2	1809.768679	953.6401876	1174.998171	
886.1889712					
LCOR	LCOR	787.1615226	650.9939938	1123.212537	
1106.79346					
ZNF493	ZNF493	261.2158029	196.009112	834.8201291	
457.235799					
TLE2	TLE2	8.199599194	33.51451138	360.7137242	
329.9639787					
GTF2A1L	GTF2A1L	0	0	0	1.885508449
KLHL5	KLHL5	3409.861893	3131.067836	2476.781859	
2277.694207					
DCTN4	DCTN4	1536.839163	1473.62291	2033.03255	
1899.649763					
SNORD18C	SNORD18C		19.91331233	17.26505132	
87.4998638		56.56525348			
TIE1	TIE1	14.05645576	12.18709505	58.03562395	
26.39711829					
CLDN15	CLDN15	115.96576	45.70160643	224.9996498	
139.5276253					
LINC00544	LINC00544		38.65525334	28.43655511	0
2.828262674					
RICTOR	RICTOR	2615.672143	928.2504062	2356.246332	
3020.584536					
ACOT7	ACOT7	7226.189633	9619.680358	3763.386999	
3988.793125					
PPP5D1	PPP5D1	26.94154021	39.60805891	38.39279738	
16.02682182					
STXBP4	STXBP4	424.0364155	386.9402678	220.535371	
246.0588527					
IRF2BP2	IRF2BP2	1644.605324	1904.233601	2611.603078	

2186.247047					
NEDD9	NEDD9	4308.303691	5130.767015	3656.244309	
4417.746297					
RBPJL	RBPJL	28.11291152	45.70160643	23.21424958	
27.33987252					
CRELD1	CRELD1	619.6554248	659.1187239	1312.497957	
1022.888334					
CALN1	CALN1	7.028227881	0	0	0
DDA1	DDA1	1996.016718	2217.035708	1675.890248	
1608.338707					
HSDL1	HSDL1	1499.355281	1290.816484	1215.17668	
1313.256635					
GHRL	GHRL	130.0222158	132.026863	58.9284797	
58.45076193					
DYSF	DYSF	8.199599194	1.015591254	16.96425931	0
RGPD2	RGPD2	21.08468364	8.124730032	20.53568232	
68.8210584					
UBTF	UBTF	8602.550926	7387.410782	7510.702594	
6715.238343					
LACC1	LACC1	450.9779557	686.5396877	624.1061714	
846.5932938					
THAP9	THAP9	203.8186085	164.5257832	262.4995914	
229.0892766					
PRODH2	PRODH2	0	0	0.892855753	0
LRRC25	LRRC25	4.685485254	0	0	0
MRPL10	MRPL10	3750.730946	4377.198305	3761.601288	
2938.564918					
SETSIP	SETSIP	0	0	0.892855753	0
AQP9	AQP9	0	2.031182508	33.03566286	0
GAN	GAN	448.6352131	540.2945472	445.5350208	
395.0140202					
KCNC1	KCNC1	0	0	24.10710533	0
CLECL1	CLECL1	320.9557399	116.7929942	52.67848943	
184.779828					
TNFRSF11A	TNFRSF11A		606.7703404	2714.675422	
303.570956	193.2646161				
NUDT3	NUDT3	2033.5006	1840.251352	1866.068524	
1617.76625					
PNPLA6	PNPLA6	2559.44632	1111.056832	1266.962314	
933.3266825					
TRAFD1	TRAFD1	11037.83189	10980.57264	21026.75298	
16207.83063					
ARPP19	ARPP19	12550.07225	9323.127712	7533.023988	
9958.312876					
ZBTB6	ZBTB6	482.6049811	313.8176975	899.9985991	
802.2838452					
TOR1B	TOR1B	1885.907815	281.3187774	347.3208879	
1835.542476					
BRF1	BRF1	1504.040766	1252.224016	908.9271566	
1026.659351					

GAS6-AS1	GAS6-AS1	18.74194102	20.31182508
15.1785478	24.51160984		
HMG3-AS1	HMG3-AS1	634.8832519	879.502026
699.9989104	579.7938482		
KCTD12 KCTD12	29.28428284	15.23386881	27.67852834
54.67974503			
IL1RN IL1RN	38.65525334	175.697287	403.5708004
312.9944026			
RBM11 RBM11	15.22782708	14.21827756	210.7139577
129.1573288			
RGS13 RGS13	5.856856567	2.031182508	0 16.02682182
PTPN6 PTPN6	12721.09246	18589.38231	16358.90311
15325.41268			
TBCCD1 TBCCD1	2328.686171	2777.64208	2496.424685
2276.751453			
MSANTD2 MSANTD2	325.6412251	311.786515	549.9991439
510.0300356			
PIK3IP1 PIK3IP1	5227.830172	5334.900858	28007.99212
17271.2574			
IL17F IL17F	139.3931863	0 0	134.8138541
NIPSNAP3B	NIPSNAP3B	16.39919839	15.23386881
68.74989298	39.59567744		
OPA1 OPA1	8590.837213	7829.192977	5247.313261
6132.616232			
NME8 NME8	0 0	5.357134518	0
LPXN LPXN	16033.73054	21084.69003	12576.76614
15665.74695			
NDUFB9 NDUFB9	7135.994042	8390.814941	5372.313066
5180.434465			
CPQ CPQ	174.5343257	207.1806158	438.3921747
468.5488497			
INSIG2 INSIG2	2133.067162	2246.487854	1851.782832
2235.270267			
TRAF3 TRAF3	5209.088231	4962.178867	3276.780614
3949.197447			
LRR31 LRR31	1.171371313	9.140321286	0 0
ZBTB9 ZBTB9	51.54033779	81.24730032	109.8212576
116.9015239			
PEX11G PEX11G	52.71170911	120.8553592	117.8569594
92.38991402			
EVC EVC	219.0464356	39.60805891	10.71426904
158.3827098			
ST7-OT3 ST7-OT3	322.1271112	560.6063722	349.1065994
260.200166			
TANK TANK	13155.67122	13847.58675	10278.55543
12010.68882			
MCU MCU	1717.230346	1831.111031	1317.855091
1278.374729			
EPHB6 EPHB6	718.0506152	379.831129	1323.212226
1292.516042			

ARRDC2	ARRDC2	4177.110104	4459.461197	6241.061714	
4532.762312					
HIST1H2BM	HIST1H2BM		49.19759517	19.29623383	
10.71426904	4.713771124				
YARS	YARS	15332.07912	20248.85842	15083.90509	
14941.71171					
ABCB4	ABCB4	0	0	0.892855753	10.37029647
MAP4	MAP4	6202.411105	6124.015262	5658.919763	
6902.846433					
ZNF692	ZNF692	1103.431777	901.8450336	1011.605568	
1104.907951					
APOBEC3D	APOBEC3D		1887.079186	2506.479215	
929.4628389	1017.231808				
C9orf41	C9orf41	1653.976295	1376.126149	888.3914743	
1169.957993					
C4orf33	C4orf33	695.7945602	859.1902009	422.3207712	
502.4880018					
TSHZ2	TSHZ2	305.7279128	122.8865417	183.0354294	
464.7778328					
PML	PML	5473.818148	5393.80515	6284.811646	
4814.645826					
HLA-C	HLA-C	35359.01447	104431.2175	165261.3499	
60768.99457					
UBXN10	UBXN10	71.45365012	72.10697904	50.89277792	
79.19135488					
L3MBTL4	L3MBTL4	22.25605496	4.062365016	0	14.14131337
MTIF2	MTIF2	2060.44214	2581.632968	2010.711156	
2127.796285					
PTPN20B	PTPN20B	0	0	6.249990271	11.3130507
ELF3	ELF3	0	0	3.571423012	3.771016899
KDM5B	KDM5B	5582.75568	8583.777279	3437.494649	
3930.342363					
CARS2	CARS2	3452.031261	3993.304811	2208.032277	
2803.751064					
PLEKHS1	PLEKHS1	4.685485254	1.015591254	0	0
NFXL1	NFXL1	468.5485254	602.2456137	1183.033873	
1095.480409					
MIR567	MIR567	0	1.015591254	0	0
BDNF-AS	BDNF-AS	22.25605496	13.2026863	84.82129654	
26.39711829					
LOC338963	LOC338963		3.51411394	2.031182508	0
0					
DYX1C1-CCPG1	DYX1C1-CCPG1		1939.790895	2037.276056	
2621.424491	2694.391574				
UBE2E3	UBE2E3	3119.361808	2261.721723	2171.425191	
2249.41158					
HMGN4	HMGN4	4327.045632	4877.884793	7272.310108	
6928.300797					
ZBTB18	ZBTB18	77.31050669	28.43655511	103.5712674	
82.01961755					

ZNHIT1	ZNHIT1	3139.27512	3894.792459	1901.782754
2046.719422				
CXCL9	CXCL9	5.856856567	18.28064257	384.8208296
89.56165135				
MIF	MIF	22013.58109	26246.94037	18286.57868
19732.78868				
MGMT	MGMT	1382.21815	1314.175083	932.1414062
1350.966804				
CIT	CIT	2627.385856	1126.290701	299.999533
688.210584				
MAL	MAL	7001.286341	6471.347471	5270.52751
5735.716703				
MAGOH	MAGOH	2810.119781	2655.771129	2437.496206
2303.148571				
MAGEB2	MAGEB2	0	2.031182508	0
MAD2L1	MAD2L1	8203.113308	8398.939671	4175.886357
5535.852808				
LCTL	LCTL	755.5344972	785.0520394	360.7137242
569.4235517				
GRIN2C	GRIN2C	3.51411394	10.15591254	0
TBCEL	TBCEL	819.9599194	711.9294691	1.885508449
655.2141862				300.8923888
JDP2	JDP2	26.94154021	26.40537261	29.46423985
31.11088942				
FOX04	FOX04	303.3851702	114.7618117	183.0354294
173.4667773				
STOX1	STOX1	195.6190093	118.8241767	169.6425931
197.9783872				
PCGF3	PCGF3	1313.107242	891.6891211	1199.105276
934.2694367				
NCOR2	NCOR2	1603.607328	1460.420223	1656.247422
1511.235022				
CCDC27	CCDC27	1.171371313	1.015591254	0.892855753
15.0840676				
SAMD11	SAMD11	1009.722072	1603.61859	1049.10551
953.1245212				
SELENBP1	SELENBP1	1.171371313	1.015591254	0
MSH2	MSH2	6723.671339	6885.708702	0
6346.621441				4464.278765
NUB1	NUB1	2777.321384	2639.521669	7716.952273
6586.081014				
LIFR-AS1	LIFR-AS1	0	0	0
MIR6506	MIR6506	92.53833376	52.81074521	2.828262674
66.93554995				80.35701777
MIR6505	MIR6505	0	1.015591254	0
MY016	MY016	14.05645576	28.43655511	0
58.45076193				3.571423012
CPA5	CPA5	9.370970508	15.23386881	21.42853807
6.599279573				
CSNK1D	CSNK1D	7718.165584	7743.883312	8755.343514

7373.280791					
FAM84A	FAM84A	0	0	0	9.427542247
SFT2D1	SFT2D1	3493.029257		5892.460456	2947.316841
2681.193015					
GPR152	GPR152	16.39919839		15.23386881	14.28569205
9.427542247					
FAM214B	FAM214B	1028.464013		1213.631549	574.999105
656.1569404					
TRIM4	TRIM4	1925.734439		2071.806158	4037.493715
3187.452034					
SPPL2A	SPPL2A	8999.645801		9452.107801	5152.670551
7152.676303					
NR1I2	NR1I2	2.342742627		13.2026863	14.28569205
41.48118589					
TNFSF11	TNFSF11	97.22381902		222.4144846	249.9996108
69.76381263					
SP100	SP100	13446.17131		14830.67908	19201.75582
18215.89713					
METTL17	METTL17	3740.188604		3676.44034	3931.243881
3475.934827					
PRAME	PRAME	0	0	0	17.91233027
CACNA1C	CACNA1C	39.82662466		29.45214637	194.6425542
157.4399555					
PLGLB1	PLGLB1	55.05445173		50.7795627	74.99988325
105.5884732					
CADM1	CADM1	46.85485254		48.74838019	30.3570956
50.90872813					
FERMT2	FERMT2	35.1411394		19.29623383	34.82137437
63.16453306					
LOC102723769	LOC102723769			2.342742627	8.124730032
0.892855753	6.599279573				
SEC24C	SEC24C	17441.71886		17362.54808	17223.18748
14892.68849					
CTSS	CTSS	4118.541538		4511.25635	5288.384625
5096.529339					
PSTPIP1	PSTPIP1	5060.324074		4137.518769	2458.924744
4948.516926					
SLC30A8	SLC30A8	65.59679355		0	0
KLF8	KLF8	118.3085027		149.2919143	85.79063445
76.3630922					52.67848943
SETD6	SETD6	882.042599		726.1477466	1052.676933
855.0780818					
STEAP1B	STEAP1B	2.342742627		7.109138778	0
ASL	ASL	2107.296993		2922.871629	10.37029647
1529.147352					1194.640998
SRBD1	SRBD1	1538.010535		1647.289014	1313.390813
1707.327901					
MIR374B	MIR374B	4.685485254		5.07795627	6.249990271
1.885508449					
MIR199A2	MIR199A2			0	0
				0.892855753	0

PAQR3 PAQR3	1389.246378	1195.350906	1108.03399
942.7542247			
CLDND1 CLDND1	26714.29417	31559.49822	14885.69111
20200.39477			
WBP1L WBP1L	2673.069337	2125.632495	1908.032744
1800.660569			
RCAN3 RCAN3	3567.997021	5044.441759	4792.849682
3480.648598			
ATF6B ATF6B	0 61.9510665	113.3926806	0
GTF2IRD1	GTF2IRD1	3.51411394	17.26505132
132.1426514	48.08046546		
SEMA6C SEMA6C	63.25405093	51.79515396	41.96422039
59.39351616			
ACE ACE	117.1371313	3.046773762	127.6783727
284.7117759			
RELA RELA	4638.630401	4227.906391	6086.597668
4825.016122			
PDE2A PDE2A	43.3407386	46.71719769	108.9284019
83.905126			
BLK BLK	31.62702546	9.140321286	0 65.99279573
BHMT BHMT	0 4.062365016	18.74997081	0.942754225
CEACAM1 CEACAM1	620.8267961	4045.099965	1449.997743
1013.460792			
C9orf117	C9orf117	166.3347265	275.2252298
294.6423985	215.8907175		
LRRIQ4 LRRIQ4	1.171371313	0 0	6.599279573
INPP4A INPP4A	7363.240076	7636.230639	5416.062998
5869.587803			
UTS2B UTS2B	3.51411394	0 0.892855753	0.942754225
CHMP2A CHMP2A	8335.478267	10620.03774	5492.848593
6564.397667			
TEX14 TEX14	124.1653592	82.26289158	97.32127708
47.13771124			
SMIM22 SMIM22	3.51411394	0 0	0
ANKRD46 ANKRD46	517.7461205	477.3278894	1156.2482
811.7113875			
COL11A1 COL11A1	0 0	0.892855753	0
CDC42 CDC42	15218.4561	12308.966	7286.5958
8136.911714			
DMD DMD	275.2722587	356.4725302	274.1067162
306.395123			
UCHL3 UCHL3	2062.784883	3049.820536	1505.3548
1809.145357			
BTN2A2 BTN2A2	1122.173718	940.4375013	919.6414256
1070.968799			
VSNL1 VSNL1	1.171371313	0 0	0
SNORD86 SNORD86	431.0646434	456.0004731	681.2489396
570.366306			
SNORD82 SNORD82	0 2.031182508	13.3928363	9.427542247
TRAF3IP1	TRAF3IP1	450.9779557	431.626283

599.1062103	513.8010525			
PTGES2 PTGES2	3135.761006	4470.6327	2921.424024	
3196.879576				
FBX038 FBX038	4199.366159	3659.175288	3889.27966	
3814.383593				
LAP3 LAP3	11922.21723	17113.72822	11202.66113	
9156.971785				
RBAK RBAK	1215.883423	713.9606516	1648.21172	
1584.769852				
RFPL2 RFPL2	5.856856567	0 0	0	
BATF BATF	6394.516	9378.985231	4889.278104	
7035.774779				
UBD UBD	0 48.74838019	58.03562395	2.828262674	
TBR1 TBR1	0 0	0 7.542033798		
GUCA1B GUCA1B	9.370970508	6.093547524	4.464278765	
49.96597391				
HAL HAL	10.54234182	1.015591254	1.785711506	
3.771016899				
DAP3 DAP3	6085.273973	7591.544624	5438.384392	
5652.754331				
SPAG6 SPAG6	92.53833376	68.04461402	7.142846024	
34.88190631				
TNFRSF18	TNFRSF18	4161.882277	5540.050291	
3622.31579	6951.869653			
USP2 USP2	1.171371313	7.109138778	15.1785478	
1.885508449				
RORC RORC	1413.845175	329.0515663	334.8209074	
1806.317095				
AQR AQR	5532.386713	4900.227801	4373.207478	
4631.751506				
PROK2 PROK2	153.4496421	79.21611782	25.89281684	
38.65292321				
APH1A APH1A	3872.553562	3512.930148	3094.63804	
3040.382375				
GGTA1P GGTA1P	0 0	0.892855753	0.942754225	
MPPE1 MPPE1	1973.760663	1762.050826	2185.710883	
1914.73383				
TAS2R10 TAS2R10	2.342742627	0 0	0	
ECHDC2 ECHDC2	819.9599194	793.1767694	602.6776333	
692.9243552				
SERBP1 SERBP1	16182.4947	17532.15182	13721.40721	
15403.66128				
MAPKBP1 MAPKBP1	1231.11125	833.8004196	717.8560254	
951.2390127				
DNAJC7 DNAJC7	4286.047636	3427.620482	3657.137164	
3583.408808				
TSTA3 TSTA3	4117.370167	7917.549417	3434.816082	
3450.480462				
THAP4 THAP4	2271.288977	2863.967336	2203.567998	
1912.848322				

HDDC2	HDDC2	2591.073345	3300.671576	3513.387388
3019.641782				
VAV1	VAV1	3346.607843	2484.136207	1694.640219
2469.073315				
TRPV3	TRPV3	5.856856567	9.140321286	0 43.36669434
CSF1	CSF1	3990.862065	5030.223481	7241.953013
12260.51869				
SPRY1	SPRY1	364.2964785	423.5015529	340.1780419
370.5024103				
CBX3P2	CBX3P2	32.79839678	22.34300759	55.35705669
37.71016899				
LRR37A11P	LRR37A11P	0	2.031182508	35.71423012
0				
KLF7	KLF7	684.0808471	857.1590184	746.4274095
618.4467714				
FCHSD2	FCHSD2	1904.649756	1316.206265	2289.282151
2090.086116				
ATP10B	ATP10B	3.51411394	2.031182508	0.892855753
1.885508449				
RBPJ	RBPJ	6550.308385	7849.504803	9754.449102
10537.16397				
RSU1	RSU1	6997.772227	9769.987864	7388.381356
7188.500963				
RLF	RLF	1937.448152	1706.193307	3097.316607
2492.64217				
ABI2	ABI2	1628.206126	1323.315404	1535.711895
2026.921583				
H2AFV	H2AFV	15660.06309	15463.39243	9791.056188
9251.247207				
FBX011	FBX011	1916.363469	949.5778225	1433.033484
1441.47121				
KIAA1033	KIAA1033	6680.346744	6475.340621	6186.98192
6225.9489				
VAT1L	VAT1L	2.342742627	0 0 0	
RFPL1	RFPL1	3.51411394	0 27.67852834	4.713771124
HNRNPM	HNRNPM	31778.13236	41403.62425	23916.0342
26934.4882				
ANP32A	ANP32A	5293.426966	3675.424748	2085.711039
2716.074921				
SAFB	SAFB	9211.664009	11761.56231	12889.26565
11596.81972				
GFRA3	GFRA3	3.51411394	2.031182508	0 0
UBN1	UBN1	2856.974634	2796.938314	3042.852406
2657.624159				
HP	HP	0 0	1.785711506	2.828262674
YTHDF2	YTHDF2	11956.187	15161.76183	14444.62037
12604.62398				
CDC20	CDC20	12961.22358	19188.58115	5235.706136
7006.549398				
EIF3C	EIF3C	1240.482221	2113.4454	1486.604829

1597.025657					
AP3S2 AP3S2	2500.877754	3135.130201	2175.88947		
2029.749846					
STX6 STX6	2562.960434	3105.678055	2598.210241		
2590.68861					
MTX3 MTX3	1423.216146	643.8848551	765.1773803		
1088.88113					
RRM1 RRM1	26810.34662	31555.43585	12618.73036		
14859.69209					
TGIF2 TGIF2	3783.529342	3859.246765	5099.992061		
4627.037735					
KLHL10 KLHL10	4.685485254	0	16.07140355	8.484788022	
C17orf77	C17orf77	0	1.015591254	0	0
SVIL-AS1	SVIL-AS1	659.4820495	831.7692371		
582.141951	675.0120249				
IN080C IN080C	666.5102774	882.5487998	643.7489979		
642.015627					
MIR155HG	MIR155HG	811.7603202	623.57303		
1623.211759	2109.883955				
SNORD38B	SNORD38B	2.342742627	5.07795627		
12.49998054	8.484788022				
MAP3K7 MAP3K7	5382.451185	6781.102803	3666.065722		
5183.262727					
DPY19L4 DPY19L4	524.7743484	310.7709237	570.5348262		
844.7077853					
KDM6A KDM6A	2328.686171	3172.707078	5458.027218		
3072.436018					
ASF1B ASF1B	10887.89636	14010.08135	5000.885073		
5798.881236					
TJP3 TJP3	156.963756	268.1160911	1246.426631		
814.5396502					
RAB18 RAB18	5537.072199	6635.873254	6980.346277		
5765.884838					
MAPK14 MAPK14	7508.490119	8092.231112	5461.598641		
5976.11903					
ILDR1 ILDR1	83.16736326	104.6058992	35.71423012		
18.85508449					
PGAP2 PGAP2	1579.008531	1969.231442	1199.998132		
1194.469603					
HDAC7 HDAC7	7220.332776	4110.097805	2168.746624		
3131.829535					
LOC100506207	LOC100506207	12.88508445	46.71719769		
58.9284797	16.02682182				
PPP1R26-AS1	PPP1R26-AS1	7.028227881	9.140321286	0	
23.56885562					
LOC100506136	LOC100506136	17.5705697	24.3741901		
55.35705669	22.62610139				
LOC100506497	LOC100506497	2.342742627	0	0	0
DNM30S DNM30S	0	1.015591254	8.92855753	11.3130507	
MAGI2-AS3	MAGI2-AS3	0	2.031182508	52.67848943	

1.885508449					
LINC00936	LINC00936		135.8790724		113.7462205
211.6068135	171.5812689				
SLC26A4-AS1	SLC26A4-AS1		24.59879758		79.21611782
63.39275847	9.427542247				
INS	INS	0	2.031182508	0	0
IGF2BP2	IGF2BP2	0	0	7.542033798	
AFF3	AFF3	65.59679355	40.62365016		71.42846024
301.6813519					
ZNF816	ZNF816	682.9094757	887.626756		1805.354333
1886.451204					
TTLL9	TTLL9	1.171371313	0	0	0
ATXN7L1	ATXN7L1	602.0848551	368.6596252		415.1779252
345.9908005					
GPC2	GPC2	33.96976809	14.21827756		67.85703723
72.5920753					
C15orf57	C15orf57		1854.280789		2580.617377
2178.568037	2051.433193				
BEND6	BEND6	7.028227881	2.031182508		0.892855753
0.942754225					
METTL6	METTL6	946.4680213	1121.212744		806.248745
775.8867269					
GLUL	GLUL	5843.971483	7237.103276		4108.02932
4699.62981					
REP15	REP15	0	1.015591254	3.571423012	0
SOWAHB	SOWAHB	0	0	16.07140355	0
PRR25	PRR25	7.028227881	4.062365016		2.678567259
LIPM	LIPM	0	0	3.771016899	0
FOXP4	FOXP4	201.4758659	112.7306292		176.7854391
241.3450815					
PDE9A	PDE9A	77.31050669	138.1204106		196.4282657
180.0660569					
ENAH	ENAH	12.88508445	6.093547524		2.678567259
12.25580492					
GPSM3	GPSM3	0	1.015591254	0	0
ANGPT4	ANGPT4	1.171371313	5.07795627		0.892855753
14.14131337					
ATRAID	ATRAID	5810.001715	7397.566695		7164.274562
6460.694702					
BRCA1	BRCA1	5197.374518	3575.896806		1816.068602
2583.146576					
UBE2D4	UBE2D4	655.9679355	764.7402143		860.7129459
911.6433353					
GCNT2	GCNT2	111.2802748	143.1983668		188.3925639
131.0428372					
XPNPEP1	XPNPEP1	4466.438818	4948.976181		3311.601988
4094.381598					
RBM4B	RBM4B	1497.012539	1931.654565		1426.783493
1309.485618					
GBP4	GBP4	11420.87031	14410.2243		42644.57648

30180.391					
RASD2	RASD2	5.856856567	0	8.035701777	31.11088942
QPRT	QPRT	370.1533351	547.4036859	214.2853807	
184.779828					
ETHE1	ETHE1	2450.508788	2539.993726	1929.461282	
2306.919588					
TRAM1	TRAM1	12352.1105	12695.90627	17814.25798	
16908.29702					
CBX6	CBX6	2372.02691	1191.288541	1166.962469	
1322.684177					
APTR	APTR	975.7523041	1109.025649	1170.533892	
1037.972401					
SPTY2D1-AS1	SPTY2D1-AS1		973.4095615	813.4885945	
480.3563951	554.3394841				
ZSWIM8-AS1	ZSWIM8-AS1		865.6434006	443.813378	
468.7492703	473.2626208				
LOC100506314	LOC100506314		50.36896648	25.38978135	
22.32139383	64.10728728				
FAM153C	FAM153C	0	0	10.71426904	11.3130507
ABCC5-AS1	ABCC5-AS1		1.171371313	0	2.678567259
0					
LOC100507156	LOC100507156		5.856856567	4.062365016	
9.821413283	22.62610139				
LOC100507634	LOC100507634		35.1411394	15.23386881	
33.92851862	23.56885562				
ITGB2-AS1	ITGB2-AS1		344.3831662	164.5257832	
70.53560449	182.8943196				
LINC00649	LINC00649		1021.435785	851.0654709	
1257.1409	1045.514435				
WNT8B	WNT8B	7.028227881	6.093547524	3.571423012	0
CYP1B1	CYP1B1	17243.75711	13610.95399	3016.959589	
4512.964474					
COL7A1	COL7A1	10.54234182	0	11.60712479	18.85508449
PMS2	PMS2	1584.865387	1238.005739	984.8198956	
1476.353116					
HNF1A	HNF1A	16.39919839	19.29623383	25.89281684	
17.91233027					
CEP112	CEP112	162.8206126	96.48116913	106.2498346	
247.9443611					
CDK5RAP2	CDK5RAP2		2751.551215	1814.861571	
1786.604362	1951.501245				
PDSS1	PDSS1	1341.220154	1556.901392	1050.891221	
1028.544859					
HABP4	HABP4	1315.449985	1233.943374	3131.245126	
2504.897975					
ITGB1	ITGB1	7629.141365	4524.459037	7200.881648	
9907.404148					
TYMP	TYMP	8426.845229	9426.71802	9935.69882	
14334.57799					
NECAB3	NECAB3	696.9659315	830.7536458	320.5352153	

334.6777498					
C12orf57	C12orf57		2360.313197	2823.343686	
2970.53109	2350.286282				
CASC4	CASC4	4663.229199	3508.867783	3241.066384	
3751.21906					
ZNF273	ZNF273	685.2522184	366.6284427	499.9992217	
776.8294812					
TBC1D3F	TBC1D3F	69.11090749	30.46773762	64.28561422	
82.01961755					
THNSL1	THNSL1	424.0364155	419.4391879	1231.248083	
936.1549451					
WDR11	WDR11	4485.180759	4123.300491	3246.423518	
3645.630587					
PLBD1	PLBD1	12.88508445	5.07795627	83.03558503	
4.713771124					
ARFGAP1	ARFGAP1	2302.916002	1737.676636	1731.247305	
1744.095316					
ZNF423	ZNF423	0	0	1.885508449	
GTF3C6	GTF3C6	7567.058685	9694.834111	4448.207362	
5276.595396					
KCNK7	KCNK7	12.88508445	35.54569389	1.785711506	0
TRIM47	TRIM47	1144.429773	1263.39552	733.0345732	
684.4395671					
FCHSD1	FCHSD1	1830.853363	1202.460045	1620.533192	
1830.828704					
IN080B	IN080B	483.7763525	296.5526462	418.7493482	
321.4791906					
PCSK9	PCSK9	0	9.821413283	0	
FASTK	FASTK	3679.277296	4221.812843	3655.351453	
3327.922413					
OGN	OGN	86.6814772	17.26505132	16.07140355	
25.45436407					
SFMBT1	SFMBT1	2465.736615	2792.875949	3276.780614	
2626.51327					
S100B	S100B	0	2.031182508	27.67852834	2.828262674
RRAS	RRAS	586.857028	529.1230434	1274.998015	
1064.36952					
RANBP2	RANBP2	6241.066358	2867.01411	4090.172205	
4709.057352					
ITFG2	ITFG2	1280.308846	1347.689594	2326.782092	
2122.13976					
KCNN4	KCNN4	4030.68869	5739.106177	3352.673353	
4532.762312					
ARHGEF10	ARHGEF10		135.8790724	48.74838019	
41.96422039	119.7297865				
HMG20A	HMG20A	2741.008873	3448.947899	3264.280633	
3277.956439					
VAV3	VAV3	202.6472372	170.6193307	362.4994357	
563.7670264					
BRK1	BRK1	7264.844886	9415.546516	5881.240845	

5895.042167						
THBS1	THBS1	401.7803605	270.1472736	35.71423012		
117.8442781						
SCP2	SCP2	5708.09241	5872.148631	4136.600704		
5139.896033						
GNB2L1	GNB2L1	26697.89498	33230.14583	26198.17351		
26345.26681						
RWDD1	RWDD1	2222.091382	2154.06905	2560.7103		
2222.071708						
RRP15	RRP15	694.6231889	762.7090318	708.9274679		
768.3446931						
GET4	GET4	4131.426623	6074.25129	5028.563601		
3758.761094						
CCDC144A	CCDC144A		36.31251072	8.124730032		
24.99996108	73.53482953					
FAT4	FAT4	0	0	2.678567259	0	
MUL1	MUL1	2678.926194	3595.193039	3516.065955		
2779.239454						
NEIL3	NEIL3	2630.89997	3273.250612	591.0705085		
1195.412357						
TMEM30A	TMEM30A	9069.92808	10114.2733	10433.91233		
9157.914539						
CCDC25	CCDC25	2893.287144	3105.678055	2371.42488		
2922.538097						
CLIC4	CLIC4	1347.07701	1087.698233	1344.640764		
1352.852312						
SPCS1	SPCS1	6995.429484	7029.922661	6879.453577		
7001.835627						
TNFRSF19	TNFRSF19		436.9214999	135.0736368	0	
58.45076193						
ZNF732	ZNF732	3.51411394	2.031182508	0.892855753		
0.942754225						
ANAPC5	ANAPC5	16279.71851	22691.35539	13384.80059		
14168.65324						
LRRFIP1	LRRFIP1	15435.1598	17114.74381	10157.12705		
12449.06954						
PPP2R5C	PPP2R5C	14512.1192	12822.85517	12469.62345		
13296.60559						
SH2B1	SH2B1	238.9597479	59.91988399	105.3569789		
109.3594901						
UBA7	UBA7	5484.36049	4577.269782	4747.314039		
5666.895645						
ZNF233	ZNF233	35.1411394	29.45214637	41.96422039		
46.19495701						
ST7	ST7	1065.947895	1701.115351	874.1057822		
795.6845657						
FLT1	FLT1	801.2179784	249.8354485	190.1782754		
646.7293982						
LOC100294145	LOC100294145		0	0	0.892855753	0
SLC4A11	SLC4A11	87.85284851	106.6370817	77.67845051		

35.82466054				
SPTB	SPTB	22.25605496	5.07795627	16.96425931
25.45436407				
CSGALNACT2	CSGALNACT2		4841.277639	3980.102125
2569.638857		3650.344358		
BID	BID	1259.224162	2681.160911	1746.425853
1498.979217				
CLEC18C	CLEC18C	0	1.015591254	0.892855753
6.599279573				
IN080E	IN080E	482.6049811	279.2875949	208.9282462
185.7225823				
PPP1R21	PPP1R21	2072.155854	1532.527202	1576.78326
1549.887945				
TSPAN33	TSPAN33	220.2178069	185.8531995	363.3922915
243.23059				
PDF	PDF	1282.651588	1817.908345	1283.033717
1470.696591				
RAB38	RAB38	534.1453189	783.0208569	217.8568037
255.4863949				
TOMM6	TOMM6	5123.578125	6068.157743	5878.562278
5232.285947				
HS2ST1	HS2ST1	1224.083023	1005.435342	1004.462722
1133.190578				
SP3	SP3	7680.681702	6300.72814	7918.737674
7584.457738				
PCBP3	PCBP3	488.4618377	123.902133	65.17846997
209.2914379				
DMTN	DMTN	193.2762667	169.6037394	208.0353905
254.5436407				
PPIAL4D	PPIAL4D	0	0	0.942754225
ATP13A2	ATP13A2	4813.164727	6291.587819	4935.706603
4809.932054				
KRTAP16-1	KRTAP16-1		5.856856567	0
16.96425931				
11.3130507				
ZNF414	ZNF414	673.5385052	536.2321821	368.749426
411.9835962				
CPB2	CPB2	5.856856567	7.109138778	25.89281684
0.942754225				
CARHSP1	CARHSP1	5445.705236	4953.038546	1791.068641
1608.338707				
RASSF7	RASSF7	1864.823131	2626.318983	2854.459842
2585.974838				
TMEM201	TMEM201	1118.659604	794.1923607	589.284797
482.6901631				
LOC401052	LOC401052		25.7701689	13.2026863
4.464278765		5.656525348		
PSMD12	PSMD12	6052.475577	6827.820001	5592.848437
5729.117424				
PDE5A	PDE5A	199.1331233	147.2607318	366.0708587
304.5096146				
PSMD5	PSMD5	4789.737301	5207.951951	3951.779563

4440.372398				
RFC1	RFC1	3958.063668	3537.304338	3510.708821
4256.535325				
LOC113230	LOC113230		48.02622385	50.7795627
57.14276819		49.96597391		
ZNF718	ZNF718	438.0928712	631.69776	815.1773025
604.305458				
PIGS	PIGS	4780.36633	5876.210996	3609.81581
3919.972066				
GIT1	GIT1	5715.120638	8242.538618	6583.025467
6899.075416				
MBTD1	MBTD1	483.7763525	264.0537261	575.8919607
453.4647821				
MACROD1	MACROD1	93.70970508	134.0580455	223.2139383
269.6277083				
TMEM39B	TMEM39B	387.7239048	253.8978135	130.3569399
125.3863119				
P2RX7	P2RX7	508.37515	438.7354217	1551.783299
1053.056469				
PSRC1	PSRC1	488.4618377	507.795627	113.3926806
362.9603765				
ATRIP	ATRIP	1377.532665	1580.259991	1670.533114
1943.959211				
RPUSD1	RPUSD1	2873.373832	3904.948372	2325.889237
2070.288277				
FAM207A	FAM207A	619.6554248	551.4660509	305.3566675
300.7385977				
ELOVL1	ELOVL1	5164.576121	5540.050291	3676.779991
3817.211856				
WARS2	WARS2	924.2119663	936.3751362	540.1777306
939.925962				
SUN3	SUN3	4.685485254	3.046773762	0.892855753
4.713771124				
SAT2	SAT2	536.4880616	599.1988399	1155.355344
741.0048206				
SLC26A10	SLC26A10		3.51411394	7.109138778
14.28569205		7.542033798		
SLC4A5	SLC4A5	562.2582305	473.2655244	491.0706642
479.8619004				
UBE2W	UBE2W	1464.214142	1204.491227	1368.747869
1435.814684				
GAK	GAK	8985.589346	9056.027212	6499.989882
6612.478132				
RGS20	RGS20	10.54234182	1.015591254	19.64282657
12.25580492				
CMA1	CMA1	4.685485254	9.140321286	7.142846024
1.885508449				
PPP1CB	PPP1CB	15701.06109	10705.34741	10860.69738
11561.93781				
ITGAM	ITGAM	891.4135695	2587.726515	387.4993968

170.6385147					
CRHR2	CRHR2	2.342742627	1.015591254	0	2.828262674
ZNF586	ZNF586	897.2704261	706.8515128	1066.069769	
1015.3463					
ATG2A	ATG2A	640.7401085	306.7085587	401.7850889	
344.105292					
LOXL2	LOXL2	35.1411394	58.90429273	79.46416202	
112.1877527					
GOLGA2	GOLGA2	432.2360147	449.9069255	908.9271566	
687.2678298					
MBIP	MBIP	1056.576925	1112.072423	941.9628194	
1230.294263					
SNAI3-AS1	SNAI3-AS1		99.56656164	99.5279429	
179.4640064		85.79063445			
ODC1	ODC1	13160.35671	13267.68414	13871.40698	
12495.26449					
IL32	IL32	100817.5862	96755.37877	26004.42381	
49532.30697					
CD28	CD28	23128.72658	16650.61861	9105.342969	
15616.72373					
ETNPPL	ETNPPL	0	5.07795627	0	1.885508449
RPRD1A	RPRD1A	958.1817344	816.5353683	913.3914353	
1053.999223					
INTS10	INTS10	5429.306038	6085.422794	4863.385287	
5166.293151					
YBX2	YBX2	3.51411394	1.015591254	0.892855753	
0.942754225					
FBXL4	FBXL4	875.0143712	883.564391	1010.712712	
1384.905956					
CBR1	CBR1	3303.267104	5946.286792	5788.383847	
3618.290714					
RRAD	RRAD	51.54033779	126.9489068	101.7855558	
147.0696591					
GNL1	GNL1	0	3.046773762	0	0
DPF2	DPF2	7061.026278	8896.579385	8359.808416	
7340.284394					
MVP	MVP	25533.55189	31916.98634	19024.07753	
21708.80153					
GOLGA5	GOLGA5	2735.152017	2867.01411	3291.959161	
3300.582541					
MY03B	MY03B	14.05645576	1.015591254	0	1.885508449
LIMS3	LIMS3	0	2.031182508	0.892855753	1.885508449
GLT8D1	GLT8D1	2201.006698	2405.935681	3074.995213	
2905.568521					
RPS20	RPS20	7323.413452	6993.361375	9823.198995	
7805.062226					
POT1	POT1	1996.016718	1923.529835	2269.639324	
2156.078912					
MMP24	MMP24	237.7883766	104.6058992	158.928324	
197.035633					

LOC102724050	LOC102724050	48.02622385	68.04461402
174.9997276	150.840676		
ETFDH ETFDH	2879.230688	3486.524775	1907.139888
2542.608144			
CD300C CD300C	7.028227881	60.93547524	31.24995136
15.0840676			
RAB24 RAB24	1375.189922	1623.930415	1079.462605
1054.941977			
LAMA5-AS1	LAMA5-AS1	0	0
RBMS3-AS3	RBMS3-AS3	0	3.046773762
1.885508449			0
CLEC17A CLEC17A	1.171371313	0	4.464278765
RPL18A RPL18A	15013.46612	17121.85295	18201.75738
16746.14329			15.0840676
NIPSNAP1	NIPSNAP1	2736.323388	2984.822696
2787.495661	3112.97445		
UBE2G2 UBE2G2	6038.419121	7713.415575	6767.846608
7116.851642			
ARF5 ARF5	6629.961634	7791.616101	5283.920346
5372.756327			
SAE1 SAE1	16825.57755	23914.12726	10011.59156
11317.76447			
GGA3 GGA3	3455.545375	2451.637287	3176.780769
2899.911995			
MYL5 MYL5	65.59679355	101.5591254	99.10698859
113.130507			
PLA2G7 PLA2G7	0	0	31.24995136
RABGAP1 RABGAP1	3024.480731	2334.844293	2952.673975
2750.956828			
NUSAP1 NUSAP1	14062.31262	14586.93718	6213.383185
8049.235571			
LIMA1 LIMA1	2745.694359	3058.960857	1865.175668
2783.010471			
SLC04A1 SLC04A1	4175.938732	7786.538145	2338.389217
2428.534883			
TMPRSS5 TMPRSS5	12.88508445	2.031182508	7.142846024
6.599279573			
SMC4 SMC4	11342.38843	8863.064874	3896.422506
6658.673089			
OLFM1 OLFM1	5.856856567	10.15591254	0
ACVR1C ACVR1C	25.7701689	26.40537261	135.7140745
113.130507			
CXorf40A	CXorf40A	1115.14549	1923.529835
1243.748064	1002.147741		
UPF2 UPF2	1762.913827	1702.130942	2347.317775
2136.281073			
MIR3155A	MIR3155A	0	3.046773762
0.942754225			5.357134518
MIR3074 MIR3074	0	2.031182508	0
TPO TPO	24.59879758	29.45214637	23.21424958

4.713771124				
AZI2	AZI2	2369.684167	2364.296439	2692.852951
2601.058906				
HS1BP3	HS1BP3	871.5002572	813.4885945	999.9984434
751.3751171				
MIR3158-2	MIR3158-2	0	0	0.892855753
3.771016899				
MIR3158-1	MIR3158-1	0	0	0.892855753
3.771016899				
RFESD	RFESD	187.4194102	245.7730835	325.8923499
269.6277083				
SNURF	SNURF	4444.182763	5499.426641	12710.6945
8478.188743				
UTP3	UTP3	791.8470079	456.0004731	836.6058406
762.6881678				
ADAMTS17	ADAMTS17		33.96976809	9.140321286
18.74997081	25.45436407			
USHBP1	USHBP1	15.22782708	35.54569389	0
TSNARE1	TSNARE1	180.3911823	286.3967336	631.2490174
390.300249				
NSD1	NSD1	5296.941079	3725.18872	2917.852601
3877.548126				
TPK1	TPK1	1222.911651	1699.084168	810.7130238
983.2926564				
ORC5	ORC5	2103.782879	2139.850772	1969.639791
2371.969629				
TMEM117	TMEM117	76.13913537	63.98224901	195.5354099
164.9819893				
MIR600HG	MIR600HG		28.11291152	24.3741901
12.49998054	67.87830418			
GRM1	GRM1	1.171371313	1.015591254	3.571423012
0.942754225				
POLM	POLM	880.8712277	713.9606516	2027.675415
1417.902354				
NUTM1	NUTM1	1.171371313	0	0
ANLN	ANLN	4433.640421	4188.298332	1269.640881
2366.313104				
SUSD3	SUSD3	2825.347608	3598.239813	2661.603
2377.626155				
ST6GALNAC6	ST6GALNAC6		5052.124475	5208.967542
4003.565197	4490.338372			
RABGEF1	RABGEF1	2405.996678	2699.441553	3220.530701
2629.341533				
CBLL1	CBLL1	5132.949096	4067.442972	4491.064438
5605.61662				
SNORA45A	SNORA45A		17.5705697	21.32741634
46.42849916	39.59567744			
TTC25	TTC25	11.71371313	22.34300759	16.96425931
9.427542247				
LOC101928269	LOC101928269	0	0	11.60712479

0.942754225				
MRVI1-AS1	MRVI1-AS1	1.171371313	0	0
0.942754225				
CBR3-AS1	CBR3-AS1	677.0526192	1066.370817	
668.748959	627.8743137			
SNHG1 SNHG1	700.4800454	562.6375547	1307.140822	
1021.002825				
LINC00963	LINC00963	986.2946459	1056.214904	
1324.997938	1526.31909			
RTN4R RTN4R	91.36696245	138.1204106	117.8569594	
101.8174563				
PAPOLG PAPOLG	2564.131805	2097.19594	3484.816004	
2943.27869				
MRPS36 MRPS36	2790.206469	2262.737314	1790.175785	
1893.050483				
DCLRE1C DCLRE1C	2846.432292	2771.548532	2413.3891	
2914.996063				
AJUBA AJUBA	72.62502143	22.34300759	91.07128681	
31.11088942				
THYN1 THYN1	4026.003204	4606.721928	3884.815381	
4066.098971				
NDUF4F4 NDUF4F4	1280.308846	1365.970237	1789.282929	
1812.916374				
UBE2R2 UBE2R2	2770.293156	2143.913137	1782.140083	
2057.089718				
H00K1 H00K1	166.3347265	161.4790094	896.427176	
798.5128283				
CCDC183-AS1	CCDC183-AS1	105.4234182	37.5768764	
209.821102	132.9283457			
DCTN5 DCTN5	6543.280157	6840.007096	4358.028931	
5367.099801				
LRSAM1 LRSAM1	1379.875407	1270.504659	1317.855091	
1338.710999				
ARL2-SNX15	ARL2-SNX15	2516.105581	2377.499126	
2273.210747	2218.300691			
PLAUR PLAUR	245.9879758	509.8268095	475.8921164	
365.7886392				
TMX2-CTNND1	TMX2-CTNND1	1296.708044	1712.286854	
2019.639713	1446.184981			
CCNH CCNH	3107.648095	3500.743053	2783.031382	
2750.956828				
DDX3X DDX3X	37331.60376	39230.25896	45441.00069	
32870.0688				
NDST3 NDST3	0 0	0.892855753	5.656525348	
0AZ1 0AZ1	34065.82054	42115.55371	31703.52208	
28253.40136				
NGDN NGDN	2634.414084	3269.188247	4981.242246	
4043.47287				
CCND2 CCND2	55678.79264	85144.12397	27209.77907	
25173.42331				

B4GALT6	B4GALT6	45.68348122	16.24946006	16.96425931
36.76741476				
ARL6IP4	ARL6IP4	6685.016086	8703.617047	5458.027218
5626.357213				
CASC3	CASC3	8080.11932	6394.162536	8573.200941
8280.210356				
RYR3	RYR3	37.48388203	27.42096386	43.7499319
39.59567744				
RFC3	RFC3	4355.158543	4090.801571	2151.782365
3192.165805				
NSF	NSF	4298.93272	4685.938046	3327.673392
3634.317536				
CDH17	CDH17	0	1.785711506	4.713771124
ATP5A1	ATP5A1	44323.51913	59997.06892	31349.05834
33719.49036				
SAMD4A	SAMD4A	3.51411394	14.21827756	36.60708587
29.22538097				
TEX10	TEX10	2626.214485	2644.599626	2426.781937
2819.777886				
POC1A	POC1A	2599.272945	3405.277475	1160.712479
1355.680575				
SGSM1	SGSM1	7.028227881	20.31182508	28.5713841
69.76381263				
NAT10	NAT10	8186.71411	9669.44433	7935.701933
8311.321245				
STAU2	STAU2	2459.879758	2618.194253	1301.783688
1847.79828				
AGPAT9	AGPAT9	1083.518465	2447.574922	777.6773609
1313.256635				
ARFGAP2	ARFGAP2	7393.695731	9528.277145	8150.880169
7599.541805				
P2RX5	P2RX5	3887.781389	5592.861036	1008.927001
1578.170572				
ARNT	ARNT	4364.529514	4551.880001	3173.209346
3283.612965				
TSPAN15	TSPAN15	101.9093043	300.6150112	130.3569399
196.0928787				
CTDSP2	CTDSP2	5587.441165	2683.192093	4610.707109
4100.038123				
TFEB	TFEB	755.5344972	861.2213834	1051.784077
691.0388467				
AXIN1	AXIN1	501.3469222	285.3811424	541.9634421
429.8959265				
RBBP7	RBBP7	16690.86985	20234.64015	13154.44381
13996.12922				
VIPR2	VIPR2	69.11090749	111.7150379	0
P2RY4	P2RY4	0	1.785711506	51.85148236
P2RY1	P2RY1	42.16936728	12.18709505	1.885508449
LILRA2	LILRA2	1.171371313	0	0
NFU1	NFU1	1494.669796	2101.258305	0
				15.0840676
				2016.961146

1929.817898					
TMEM138	TMEM138	2206.863555	2841.624329	2590.17454	
2447.389967					
NUP62	NUP62	10200.3014	13526.65991	9347.306878	
10374.06749					
GOLM1	GOLM1	291.6714571	279.2875949	222.3210825	
136.6993626					
KCTD8	KCTD8	0	0	1.885508449	
PKN2-AS1	PKN2-AS1		10.54234182	14.21827756	
7.142846024		16.02682182			
RPGR	RPGR	413.4940737	438.7354217	582.141951	
660.8707115					
CUTA	CUTA	1.171371313	1.015591254	0.892855753	
3.771016899					
XAB2	XAB2	1041.349098	411.3144579	741.9631308	
663.6989742					
SORCS2	SORCS2	1.171371313	0	30.3570956	0
IL24	IL24	268.2440308	196.009112	521.4277598	
412.9263504					
PRDX3	PRDX3	26435.5078	32107.9175	14769.61987	
17943.44116					
AP3M2	AP3M2	2338.057142	2871.076475	2680.352971	
2657.624159					
TGOLN2	TGOLN2	11522.77961	9910.139457	12316.94511	
13467.2441					
KIF2C	KIF2C	8909.45021	11163.37906	3349.994785	
4519.563753					
RALBP1	RALBP1	2129.553048	3047.789353	2485.710416	
2334.25946					
MIDN	MIDN	826.9881473	427.563918	391.9636756	
411.040842					
CD151	CD151	1301.393529	1246.130469	778.5702166	
619.3895256					
TAS2R20	TAS2R20	37.48388203	19.29623383	24.99996108	
27.33987252					
TAS2R50	TAS2R50	1.171371313	1.015591254	0.892855753	0
TAS2R19	TAS2R19	8.199599194	9.140321286	11.60712479	
14.14131337					
TAS2R46	TAS2R46	0	1.015591254	0.892855753	0
TAS2R31	TAS2R31	5.856856567	0	6.249990271	5.656525348
TAS2R43	TAS2R43	15.22782708	2.031182508	8.92855753	
4.713771124					
ESYT1	ESYT1	52320.47109	61113.20371	18057.11475	
22628.92966					
ARHGAP40	ARHGAP40		0	0	6.599279573
PPM1M	PPM1M	3904.180588	3976.03976	2573.21028	
3771.016899					
EPS15	EPS15	6326.576464	4045.099965	4104.457897	
5282.251921					
ARHGEF7	ARHGEF7	2892.115773	1756.97287	1819.640025	

1975.070101				
ATP6V1F	ATP6V1F	4500.408586	6684.621634	4843.74246
4252.764308				
CAPN1	CAPN1	9472.879812	12309.98159	5340.170259
7025.404483				
SERF2	SERF2	25088.43079	27767.28048	20259.78989
19008.75343				
FAM209B	FAM209B	22.25605496	41.63924142	49.10706642
16.96957604				
C1orf100	C1orf100		0 0	4.464278765
0.942754225				
DCUN1D2	DCUN1D2	373.667449	239.679536	341.9637534
389.3574948				
SLC3A2	SLC3A2	14386.78247	19602.94239	47585.64021
26658.26121				
ZNF682	ZNF682	106.5947895	127.964498	422.3207712
268.684954				
PSMB5	PSMB5	6728.356825	9368.829319	5715.169675
6672.814403				
ELOVL6	ELOVL6	231.9315201	155.3854619	62.49990271
152.7261844				
LEF1	LEF1	11778.13856	11615.31717	19958.00465
18033.94556				
TTC13	TTC13	1355.27661	1374.094967	771.4273706
1232.179772				
RPL22L1	RPL22L1	788.332894	579.9026061	441.9635978
761.7454136				
ARHGEF3	ARHGEF3	7493.262292	11474.14999	20033.89739
14747.50434				
MGA	MGA	2783.178241	1577.213218	2768.74569
2777.353946				
LRRN3	LRRN3	16446.05324	22267.85384	10269.62687
10378.78126				
FAM86C1	FAM86C1	200.3044946	262.0225435	326.7852056
363.9031307				
SMARCD2	SMARCD2	10877.35402	14143.1238	9864.270359
9268.216783				
PANK4	PANK4	3454.374003	3882.605364	3133.030837
2567.119754				
NGFRAP1	NGFRAP1	576.3146862	563.653146	1403.569244
983.2926564				
LRR1	LRR1	3292.724762	3892.761277	2424.996225
2386.110943				
TSPAN13	TSPAN13	345.5545375	284.3655511	129.4640842
119.7297865				
VOPP1	VOPP1	4667.914684	4315.247238	2640.174462
2718.903184				
TDRD3	TDRD3	633.7118806	456.0004731	241.9639091
397.8422828				
CARF	CARF	342.0404235	226.4768497	383.0351181

491.1749511					
UQCRB	UQCRB	6196.554248	5445.600304	3616.958656	
3870.006092					
RGS5	RGS5	149.9355281	230.5392147	250.8924666	
232.8602935					
H3F3C	H3F3C	9.370970508	5.07795627	27.67852834	
16.02682182					
SMC03	SMC03	1.171371313	0	0	7.542033798
SLC14A2	SLC14A2	28.11291152	24.3741901	25.89281684	
26.39711829					
CD82	CD82	21612.9721	27842.43423	13241.05082	
16900.75499					
DCDC2	DCDC2	0	0	0	3.771016899
FAM149A	FAM149A	22.25605496	22.34300759	18.74997081	
24.51160984					
KIAA1429	KIAA1429		3949.864069	1435.030442	
2008.925444		4490.338372			
NPIPA1	NPIPA1	66.76816487	47.73278894	81.24987353	
55.62249926					
WDR45	WDR45	3394.634066	3519.023695	2566.067434	
2865.972843					
MITF	MITF	4.685485254	10.15591254	27.67852834	0
DIAPH3	DIAPH3	1604.778699	1074.495547	512.4992022	
694.8098636					
CATSPER2	CATSPER2		45.68348122	16.24946006	
72.321316		85.79063445			
ZMYM2	ZMYM2	2565.303176	1666.585248	2091.961029	
2580.318313					
HRH4	HRH4	58.56856567	8.124730032	47.32135491	
56.56525348					
PRR5L	PRR5L	596.2279986	1081.604686	508.0349235	
396.8995286					
RAD1	RAD1	2842.918178	2515.619536	2185.710883	
2293.721029					
MOBP	MOBP	0	0	3.571423012	0
DHFR	DHFR	5473.818148	5087.096592	1836.604284	
3373.174616					
RNF145	RNF145	3624.222844	1475.654092	1470.533425	
1040.800664					
POGLUT1	POGLUT1	1950.333237	2445.54374	1584.818962	
1954.329508					
AMPD2	AMPD2	3106.476723	4104.004258	3850.886863	
3680.512493					
IFT20	IFT20	884.3853417	981.0611514	1173.212459	
1065.312274					
RAB42	RAB42	0	5.07795627	0	0
SLC8A3	SLC8A3	1.171371313	0	0	0
DENND2C	DENND2C	37.48388203	26.40537261	82.14272928	
59.39351616					
KNG1	KNG1	8.199599194	6.093547524	1.785711506	

0.942754225				
SIKE1	SIKE1	2899.144001	2208.910978	2505.353243
3230.818728				
KCNE1	KCNE1	0	0	1.785711506
DYNC1I1	DYNC1I1	2.342742627	0	0
FKTN	FKTN	631.369138	434.6730567	344.6423207
665.5844826				
ITGA2	ITGA2	828.1595186	362.5660777	44.64278765
120.6725408				
SERAC1	SERAC1	1058.919667	1359.876689	970.5342035
962.5520634				
SFXN2	SFXN2	1448.986315	1761.035235	833.9272733
1306.657355				
PKDCC	PKDCC	1.171371313	0	0
SREK1IP1	SREK1IP1	752.6773998	974.5809328	825.6756895
768.3446931				
RELL2	RELL2	1002.693844	695.680009	878.570061
975.7506226				
AP5B1	AP5B1	2541.87575	2588.742107	2730.352893
2503.955221				
RABL3	RABL3	2668.383852	2858.88938	2546.424608
2528.466831				
FAM126B	FAM126B	2452.85153	2049.463151	2566.96029
2512.440009				
LIMK1	LIMK1	452.149327	153.3542794	326.7852056
286.5972843				
CLDN4	CLDN4	7.028227881	0	0
CCR1	CCR1	401.7803605	676.3837752	217.8568037
556.2249926				
CPD	CPD	3416.890121	1915.405105	2021.425425
2515.268272				
CDC42BPB	CDC42BPB		30.45565415	36.56128515
144.642632		111.2449985		
SRSF11	SRSF11	6867.750011	6983.205463	5973.204988
6060.024156				
THY1	THY1	11.71371313	14.21827756	11.60712479
36.76741476				
PPP1CA	PPP1CA	31225.2451	47079.76376	19787.4692
21997.28433				
SLC22A15	SLC22A15		53.88308042	19.29623383
18.74997081		82.96237177		
TP73	TP73	277.6150013	197.0247033	106.2498346
140.4703795				
KIAA0586	KIAA0586		1706.688004	1416.749799
1704.461633		2090.086116		
NT5C1B	NT5C1B	14.05645576	21.32741634	48.21421066
28.28262674				
TBC1D15	TBC1D15	3920.579786	3123.958697	4547.31435
4222.596173				
ALDH2	ALDH2	9.370970508	10.15591254	102.6784116

75.42033798					
ZNF609	ZNF609	756.7058685	417.4080054	466.0707031	
596.7634242					
DFNA5	DFNA5	138.221815	219.3677109	150.8926223	
190.4363534					
ZNF319	ZNF319	709.851016	354.4413477	604.4633448	
564.7097806					
TNFRSF21	TNFRSF21		22.25605496	34.53010264	0
101.8174563					
ZFAND2B	ZFAND2B	2127.210305	2574.523829	2711.602922	
2527.524076					
ST3GAL4	ST3GAL4	411.151331	406.2365016	157.1426125	
175.3522858					
FLJ20021	FLJ20021		80.82462063	47.73278894	
74.99988325	77.30584643				
MIR18A	MIR18A	0	0	0.892855753	0
C17orf62	C17orf62		11302.5618	12504.97511	
8181.237265	8720.476579				
MURC	MURC	2.342742627	7.109138778	0	0.942754225
CYP2W1	CYP2W1	0	0	2.678567259	0
CHD7	CHD7	1601.264586	1837.204579	3899.993929	
3462.736267					
CCDC146	CCDC146	89.02421982	66.01343151	275.8924277	
138.584871					
CCT3	CCT3	24092.76518	33539.90117	22537.46492	
23816.79998					
FBXW11	FBXW11	4045.916517	2645.615217	3057.138098	
3093.176611					
BC01	BC01	0	0	0.892855753	0
SPA17	SPA17	217.8750643	202.1026596	164.2854586	
146.1269048					
MYEOV	MYEOV	3.51411394	0	0	8.484788022
CDC42EP3	CDC42EP3		1712.54486	1261.364338	
2452.674754	3293.040507				
DAAM1	DAAM1	1368.161694	912.0009461	731.2488617	
651.4431693					
ADNP2	ADNP2	1794.540852	1325.346587	1278.569438	
1433.929176					
EDRF1	EDRF1	2315.801087	2015.948639	1930.354138	
2253.182597					
JADE2	JADE2	1485.298825	1556.901392	3716.065644	
2675.53649					
GPR150	GPR150	21.08468364	11.17150379	80.35701777	
38.65292321					
KRT79	KRT79	0	5.07795627	1.785711506	4.713771124
SNX25	SNX25	1135.058803	780.9896744	1122.319682	
1456.555277					
ZNF681	ZNF681	231.9315201	192.9623383	423.2136269	
441.2089772					
NUP35	NUP35	1841.395705	1850.407265	1543.747597	

1830.828704					
IL17D	IL17D	5.856856567	6.093547524	28.5713841	
15.0840676					
SYNGR1	SYNGR1	3.51411394	25.38978135	70.53560449	
11.3130507					
TTC7A	TTC7A	13962.74606	15988.45311	6567.846919	
8821.351281					
IFT43	IFT43	303.3851702	362.5660777	401.7850889	
350.7045716					
TRPT1	TRPT1	2019.444144	1949.935208	1993.746897	
2122.13976					
ERBB2	ERBB2	215.5323217	181.7908345	408.9279349	
293.1965639					
PRNP	PRNP	4915.074031	4847.417056	8792.843456	
8863.775221					
COPZ1	COPZ1	8378.819005	9442.96748	7008.917661	
6799.143469					
GDAP2	GDAP2	2034.671971	1864.625542	1469.640569	
1720.52646					
CCDC126	CCDC126	689.9377036	483.4214369	743.7488423	
900.3302846					
DTNB	DTNB	1118.659604	1046.058992	1065.176913	
1000.262232					
CIDEC	CIDEC	0	5.07795627	0	7.542033798
B3GNT7	B3GNT7	4.685485254	0	0	0
DDX50	DDX50	2605.129801	2755.299072	2677.674403	
3154.455636					
METR1	METR1	473.2340106	443.813378	438.3921747	
372.3879188					
SCNM1	SCNM1	2454.022902	3481.446819	2843.745573	
2192.846327					
ZNF311	ZNF311	1.171371313	1.015591254	8.92855753	
1.885508449					
RAB12	RAB12	31.62702546	23.35859884	67.85703723	
36.76741476					
C3orf70	C3orf70	4.685485254	0	0	0
CAB39	CAB39	16635.81539	18742.73659	12755.33729	
12061.59755					
TEAD1	TEAD1	2.342742627	3.046773762	15.1785478	
1.885508449					
C1QL1	C1QL1	9.370970508	2.031182508	2.678567259	
3.771016899					
ETV5	ETV5	24.59879758	58.90429273	61.60704696	
15.0840676					
FXD5	FXD5	9450.623757	14173.59154	8824.986263	
9174.884115					
FAM26F	FAM26F	69.11090749	372.7219902	450.8921553	
177.2377942					
MUC21	MUC21	0	1.015591254	0	0
GRIA4	GRIA4	0	0	0	5.656525348

KANK2	KANK2	221.3891782	206.1650246	66.96418148	
75.42033798					
ISOC2	ISOC2	1567.294817	1745.801366	871.427215	
988.0064275					
ECSCR	ECSCR	30.45565415	39.60805891	9.821413283	
12.25580492					
PTGER4	PTGER4	7496.776406	7235.072094	5614.276975	
7790.920913					
SULT1A1	SULT1A1	376.0101916	342.2542526	245.5353321	
382.7582152					
SULT1A2	SULT1A2	9.370970508	4.062365016	18.74997081	
12.25580492					
LOC100128770	LOC100128770		7.028227881	7.109138778	0
2.828262674					
KIAA1217	KIAA1217		558.7441165	210.2273896	
87.4998638	310.1661399				
CAMTA1	CAMTA1	1333.020555	1223.787461	1350.890754	
1346.253033					
MKRN9P	MKRN9P	1.171371313	0	2.678567259	0
FBXW4P1	FBXW4P1	43.3407386	54.84192772	54.46420093	
20.74059294					
TYW3	TYW3	1518.097222	1892.046506	1730.354449	
1407.532058					
PDHB	PDHB	7831.788602	8851.89337	5241.956126	
6596.45131					
CTPS1	CTPS1	7848.1878	10675.89526	6009.812074	
6028.913267					
UHRF1	UHRF1	16619.4162	19637.47249	7956.237615	
12112.50628					
NONO	NONO	23562.13397	27508.30471	22338.35809	
22359.30195					
SFTPD	SFTPD	0	1.015591254	0	0.942754225
APC	APC	1376.361293	971.9208301	1600.890365	
1843.084509					
SHROOM1	SHROOM1	19.91331233	44.68601518	4.464278765	
14.14131337					
FOLH1	FOLH1	0	0	1.885508449	
PPM1F	PPM1F	1268.595132	1161.836395	1058.034067	
1367.93638					
DSCR3	DSCR3	4310.646434	5726.919082	7183.024533	
5335.988912					
ITGB6	ITGB6	0	0	2.678567259	0
ADAMTS10	ADAMTS10		92.53833376	17.26505132	
115.1783921	112.1877527				
ARHGAP11A	ARHGAP11A		6627.618892	6104.719028	
2115.175279	3503.274699				
TNFRSF14	TNFRSF14		4770.99536	4139.549952	
3116.066578	4397.005704				
RB1CC1	RB1CC1	3591.424447	3182.86299	4400.886007	
4741.110996					

CLCN1	CLCN1	11.71371313	2.031182508	0	8.484788022
IL1B	IL1B	0	38.39279738	0	2.828262674
AGA	AGA	1562.609332	1766.113191	0	1149.99821
1430.158159					
CTSG	CTSG	0	0	0.942754225	
ZNF133	ZNF133	434.5787573	626.6198037	0	680.3560838
666.5272369					
CCL4L1	CCL4L1	1.171371313	0	10.71426904	12.25580492
CHIC2	CHIC2	1265.081019	1456.357858	0	2057.139655
1646.991631					
HAVCR1	HAVCR1	85.51010588	41.63924142	0	44.64278765
31.11088942					
RSPRY1	RSPRY1	2697.668135	3092.475369	0	2845.531285
2862.201826					
MED22	MED22	2558.274949	2716.706605	0	2356.246332
2508.668992					
ZFYVE27	ZFYVE27	2007.730431	1969.231442	0	2899.995486
2414.393569					
TMEM190	TMEM190	2.342742627	0	7.142846024	0
TDP2	TDP2	3398.14818	3183.878581	0	2763.388556
2994.187418					
ACTR6	ACTR6	2163.522816	2076.884115	0	2608.92451
2548.264669					
ABCG1	ABCG1	288.1573431	368.6596252	0	590.1776528
429.8959265					
STXBP5L	STXBP5L	5.856856567	4.062365016	0	6.599279573
TICAM1	TICAM1	2297.059146	1744.785774	0	1092.855442
1424.501634					
MMP24-AS1	MMP24-AS1		433.407386	0	175.697287
215.1782365	280.940759				
EDA	EDA	0	9.140321286	136.6069302	12.25580492
TCHHL1	TCHHL1	1.171371313	0	0	0
KRT7	KRT7	90.19559114	477.3278894	0	179.4640064
106.5312274					
TMEM189-UBE2V1	TMEM189-UBE2V1		13384.08863	0	14945.44089
8257.130004	11448.8073				
THEG	THEG	1.171371313	0	0	0
DNMT3A	DNMT3A	1922.220325	1791.502972	0	2050.889665
2058.975227					
HSD17B4	HSD17B4	2726.952418	2630.381348	0	1849.104265
2579.375559					
NLRC4	NLRC4	33.96976809	15.23386881	0	9.821413283
49.02321969					
NUP153	NUP153	3883.095904	1487.841187	0	1316.06938
1517.834302					
NR1H4	NR1H4	0	0	1.885508449	
KIR3DX1	KIR3DX1	4.685485254	0	15.1785478	7.542033798
SNRNP35	SNRNP35	1747.686	1949.935208	0	1569.640414
1482.009641					
SYNGAP1	SYNGAP1	5.856856567	1.015591254	0	2.678567259

6.599279573					
RUNDC1	RUNDC1	1560.26659	2034.229282	2362.496323	
2127.796285					
MYB	MYB	4912.731289	6655.169488	2198.210864	
2493.584924					
LANCL3	LANCL3	15.22782708	28.43655511	8.035701777	
14.14131337					
ALG1L	ALG1L	11.71371313	13.2026863	79.46416202	
41.48118589					
KRBOX4	KRBOX4	734.4498135	751.537528	1075.891182	
1001.204987					
CSPG5	CSPG5	7.028227881	8.124730032	34.82137437	
10.37029647					
RAB35	RAB35	3406.34778	1906.264784	1249.105198	
1220.866721					
CTSA	CTSA	7226.189633	8944.312174	9611.592181	
9460.538645					
AURKA	AURKA	7936.040649	10492.07325	2782.138526	
4803.332775					
CUL3	CUL3	7216.818662	6334.242652	6517.846997	
6558.741141					
CUL4A	CUL4A	11881.21923	10999.86887	7790.166445	
7930.448538					
BRPF1	BRPF1	4733.511478	4533.599358	4730.34978	
4128.32075					
CARM1	CARM1	468.5485254	190.9311558	195.5354099	
173.4667773					
RASGRP3	RASGRP3	2109.639736	2025.088961	1773.211526	
1393.390744					
CXADRP2	CXADRP2	0	0	5.656525348	
INIP	INIP	2401.311193	2633.428122	2590.17454	
2626.51327					
ZNF71	ZNF71	730.9356996	913.0165374	1013.39128	
823.9671924					
SLC22A16	SLC22A16		1.171371313	1.015591254	0
0					
WRNIP1	WRNIP1	4282.533522	5368.415369	4588.385715	
4890.066164					
RPL13A	RPL13A	17975.86418	20840.94812	32541.91363	
26470.65312					
NET1	NET1	3364.178412	3246.845239	1387.49784	
1591.369131					
ADORA3	ADORA3	1.171371313	13.2026863	0	4.713771124
ABAT	ABAT	1596.5791	2112.429808	658.9275457	
724.0352446					
RSRP1	RSRP1	2774.978642	2183.521196	2996.423907	
2948.935215					
HLA-DRA	HLA-DRA	1363.476209	701.7735565	239.2853418	
601.4771954					
RARG	RARG	1746.514628	1520.340107	1779.461516	

2030.6926					
IL18	IL18	2.342742627	5.07795627	0	3.771016899
BPIFA1	BPIFA1	0	0	1.885508449	
CFL2	CFL2	306.8992841	173.6661044	456.2492898	
550.5684672					
ABHD2	ABHD2	4430.126308	3415.433387	2501.78182	
2873.514877					
SLU7	SLU7	4581.233207	5194.749264	7358.024261	
6359.82					
C10orf12	C10orf12		740.3066701	582.9493798	
781.2487839	513.8010525				
PLEKHJ1	PLEKHJ1	3862.01122	5247.56001	3488.387427	
3218.562923					
TLE6	TLE6	4.685485254	17.26505132	0	6.599279573
CAST	CAST	3550.426451	3510.898965	3892.851083	
5172.892431					
ZMIZ1	ZMIZ1	2190.464356	1311.128309	696.4274874	
1140.732612					
TOB1	TOB1	2833.547207	939.42191	1216.962391	
2223.014462					
YAF2	YAF2	652.4538216	436.7042392	438.3921747	
563.7670264					
NAMPT	NAMPT	9250.319262	7646.386552	8583.91521	
10453.25884					
RBM5	RBM5	5537.072199	5441.537939	6703.560994	
6255.174281					
LSM6	LSM6	2163.522816	1863.609951	1684.818806	
2056.146964					
CTDP1	CTDP1	4084.57177	3859.246765	4131.243569	
3490.07614					
DYNC2H1	DYNC2H1	79.65324932	41.63924142	72.321316	
124.4435577					
LYRM4	LYRM4	1500.526653	1360.89228	1234.819506	
1515.948793					
RNF32	RNF32	74.96776406	106.6370817	68.74989298	
96.16093092					
BLCAP	BLCAP	1740.657772	2071.806158	3291.066306	
2282.407978					
HIST1H4A	HIST1H4A		25.7701689	21.32741634	
18.74997081					
8.484788022	6904.062522		7690.056976	7922.309097	
NAP1L1	NAP1L1				
8290.580652					
MAP3K3	MAP3K3	4310.646434	3893.776868	6249.097415	
5072.960483					
TATDN3	TATDN3	1347.07701	1348.705185	1049.998366	
1051.170961					
NUP50-AS1	NUP50-AS1		284.6432292	240.6951272	
333.0351959					
193.2646161	LOC100507564		36.31251072	28.43655511	
LOC100507564	LOC100507564				
20.53568232					
41.48118589					

MTA1	MTA1	880.8712277	268.1160911	258.9281684
401.6132997				
GAREML	GAREML	215.5323217	205.1494333	218.7496595
439.3234687				
TRIP13	TRIP13	4762.795761	6389.084579	1928.568427
2700.990854				
MAP3K2	MAP3K2	5214.945088	3928.306971	4860.706719
5916.725514				
MGC72080	MGC72080		1231.11125	1204.491227
861.6058017	1155.81668			
LOC400927	LOC400927		137.0504437	102.5747167
79.46416202	137.6421168			
MRPS31P5	MRPS31P5		210.8468364	149.2919143
257.1424569	329.9639787			
TPTE2P6	TPTE2P6	10.54234182	4.062365016	0 1.885508449
AQP7P1	AQP7P1	2.342742627	0 0	4.713771124
ZC3HC1	ZC3HC1	2388.426108	2965.526462	2122.318125
1958.100525				
PAPD4	PAPD4	4535.549726	4424.931094	4596.421417
4398.891213				
DDHD2	DDHD2	2724.609675	2704.51951	2724.995758
3084.691823				
FKBP11	FKBP11	1393.931863	1447.217537	2706.245787
2632.169795				
CCDC120	CCDC120	96.0524477	41.63924142	74.99988325
71.64932108				
SLC2A11	SLC2A11	148.7641568	109.6838554	153.5711895
191.3791076				
POM121L1P	POM121L1P		0 1.015591254 0	
0.942754225				
MAGED2	MAGED2	3215.414255	4542.739679	17248.18744
8623.372893				
COPE	COPE	16251.6056	20016.28803	11433.91077
11236.6876				
ACSL1	ACSL1	2532.50478	3238.720509	2908.924043
2244.697809				
ZFP64	ZFP64	821.1312907	1125.275109	1024.998404
886.1889712				
SOCS4	SOCS4	1543.867391	1118.165971	772.3202264
1126.591299				
POLQ	POLQ	3384.091725	2115.476582	877.6772052
1106.79346				
SS18L1	SS18L1	294.0141997	145.2295493	231.24964
240.4023273				
PYHIN1	PYHIN1	3401.662294	2280.002365	2587.495972
3870.006092				
GINS4	GINS4	1789.855367	1605.649773	575.8919607
1037.029647				
CAPRIN1	CAPRIN1	25985.70122	24530.59115	17374.0801
21295.87518				

DDI2	DDI2	1306.079015	1319.253039	1160.712479
930.4984198				
ZNF438	ZNF438	481.4336098	376.7843553	591.9633643
653.3286777				
MCM10	MCM10	6350.00389	6867.42806	2201.782287
3528.729063				
ZNF845	ZNF845	1165.514457	1283.707345	2084.818183
1886.451204				
PCED1B	PCED1B	3737.845861	5018.036386	5148.206272
4189.599775				
FAM57A	FAM57A	161.6492413	188.8999733	206.249679
167.810252				
RNF39	RNF39	107.7661608	157.4166444	195.5354099
118.7870323				
H2AFB3	H2AFB3	0	1.015591254	0.892855753
				3.771016899
DPEP2	DPEP2	391.2380187	414.3612317	720.5345927
574.1373229				
OSGEPL1	OSGEPL1	636.0546232	583.9649711	755.3559671
882.4179543				
C10orf54	C10orf54		5906.054162	6619.623794
6450.882816	6933.957323			
NECAB1	NECAB1	74.96776406	68.04461402	158.0354683
141.4131337				
CALML4	CALML4	479.0908672	391.0026328	233.0353515
304.5096146				
RAD51D	RAD51D	2032.329229	1832.126622	1424.997782
1488.608921				
BTNL8	BTNL8	26.94154021	49.76397145	0
				28.28262674
CRELD2	CRELD2	4187.652446	5318.651397	3300.887719
2973.446825				
SEMA3B	SEMA3B	11.71371313	0	23.21424958
				8.484788022
FAM183A	FAM183A	0	0	3.571423012
				0
PQBP1	PQBP1	3018.623875	3970.961803	3699.994241
3425.026098				
PTBP2	PTBP2	390.0666474	282.3343686	706.2489006
481.7474088				
CD163L1	CD163L1	0	0	1.885508449
CD5	CD5	15501.92796	19249.51663	15767.8326
20455.88117				
ZNHIT2	ZNHIT2	614.9699396	791.1455869	1151.783921
770.2302016				
AP2A1	AP2A1	2033.5006	986.1391077	899.9985991
1080.396342				
UBE2Q2P2	UBE2Q2P2		1.171371313	2.031182508
3.571423012	0			
SNORD93	SNORD93	0	3.046773762	0.892855753
				0
LOC644936	LOC644936		0	2.031182508
				0
1.885508449				
RDH11	RDH11	3141.617863	3896.823642	4456.243063
4458.284729				

RGS12	RGS12	120.6512453	89.37203036	147.3211993	
152.7261844					
SNORA24	SNORA24	23.42742627	19.29623383	18.74997081	
37.71016899					
DEFB109P1B	DEFB109P1B		2.342742627	0	0
SNORD67	SNORD67	4.685485254	6.093547524	1.785711506	0
3.771016899					
SNORD65	SNORD65	7.028227881	7.109138778	28.5713841	
13.19855915					
SNORA11	SNORA11	8.199599194	3.046773762	56.24991244	
11.3130507					
NISCH	NISCH	3184.958601	2836.546373	3041.066695	
2839.575725					
SNORD59B	SNORD59B		65.59679355	43.67042392	
73.21417175					
PAPD7	PAPD7	365.4678498	194.9935208	394.6422428	
312.9944026					
NXT2	NXT2	1885.907815	1741.739001	1900.889898	
1703.556884					
DHTKD1	DHTKD1	2370.855538	2626.318983	1398.212109	
1380.192185					
FADS6	FADS6	0	0	0.942754225	
LSM14B	LSM14B	138.221815	70.07579653	115.1783921	
81.07686333					
ZC4H2	ZC4H2	872.6716285	649.9784026	1070.534048	
996.4912155					
KLF10	KLF10	2355.627711	2504.448032	5099.992061	
3667.313934					
NPIPB5	NPIPB5	343.2117948	172.6505132	260.7138799	
292.2538097					
SMC2	SMC2	8551.010588	8090.19993	4332.136114	
5627.299967					
MIR6895	MIR6895	1.171371313	0	0	0
MIR8087	MIR8087	0	0	1.885508449	
MIR6894	MIR6894	18.74194102	9.140321286	8.92855753	
1.885508449					
MIR6893	MIR6893	2.342742627	4.062365016	0	2.828262674
MIR8085	MIR8085	8.199599194	9.140321286	19.64282657	
11.3130507					
MIR6892	MIR6892	42.16936728	25.38978135	15.1785478	
27.33987252					
MIR6891	MIR6891	938.2684221	445.8445605	838.3915521	
1379.249431					
SMAD3	SMAD3	5534.729456	1967.200259	2324.103525	
2922.538097					
FABP7	FABP7	0	3.046773762	0	0
POMGNT1	POMGNT1	3107.648095	3921.197832	2443.746196	
3138.428814					
AMBN	AMBN	1.171371313	0	0	0
ICK	ICK	1231.11125	841.9251496	630.3561616	

924.8418944					
TMEM216	TMEM216	658.3106782	1187.226176	2050.889665	
1390.562481					
HN1	HN1	13637.10483	15487.76662	5226.777578	
6831.197112					
SLC25A1	SLC25A1	2998.710562	3430.667256	3647.315751	
3291.154998					
ADAMTSL4	ADAMTSL4		15.22782708	12.18709505	
9.821413283	2.828262674				
PMS1	PMS1	1973.760663	1768.144373	1638.390307	
1887.393958					
PCK2	PCK2	3591.424447	5123.657877	4149.100684	
4113.236682					
PSMD9	PSMD9	6130.957455	8355.269247	4815.171076	
4685.488497					
DYNLT1	DYNLT1	3258.754994	3188.956538	4033.029436	
4041.587361					
LINC00933	LINC00933		11.71371313	23.35859884	
16.96425931	37.71016899				
TTN-AS1	TTN-AS1	860.9579154	729.1945204	1001.784155	
968.2085888					
AK2	AK2	15322.70815	18581.25758	11405.33939	
13744.41384					
ZC3HAV1L	ZC3HAV1L		429.893272	264.0537261	
124.9998054	195.1501245				
ACY3	ACY3	36.31251072	23.35859884	11.60712479	
58.45076193					
CDKN2AIPNL	CDKN2AIPNL		1689.117434	2130.710451	
1155.355344	1169.015239				
MSANTD3	MSANTD3	356.0968793	466.1563856	391.0708198	
513.8010525					
CCDC34	CCDC34	565.7723444	549.4348684	277.6781392	
330.9067329					
ATP6V1E2	ATP6V1E2		50.36896648	34.53010264	
103.5712674	73.53482953				
ZNF837	ZNF837	209.6754651	280.3031861	376.7851278	
410.0980878					
EFCAB6-AS1	EFCAB6-AS1		0	0	3.771016899
RNASEH2B-AS1	RNASEH2B-AS1		58.56856567	47.73278894	
49.99992217	57.50800771				
SPATA13-AS1	SPATA13-AS1		64.42542224	20.31182508	
78.57130627	101.8174563				
GPC5-AS1	GPC5-AS1		0	0	4.464278765
PHKG1	PHKG1	851.5869449	1300.972396	1261.605179	0
811.7113875					
C14orf178	C14orf178		250.6734611	305.6929675	
333.9280516	281.8835132				
MY019	MY019	2791.37784	3015.290433	2360.710611	
2252.239843					
RGPD8	RGPD8	213.1895791	253.8978135	311.6066578	

257.3719033					
AQP1	AQP1	1.171371313	0	0	0
SERPINF2	SERPINF2		4.685485254		3.046773762
2.678567259		1.885508449			
PSPN	PSPN	9.370970508	5.07795627		3.571423012
3.771016899					
SERPINB9	SERPINB9		2945.998853		3596.208631
7028.560488		6166.555384			
OPRL1	OPRL1	16.39919839	29.45214637		15.1785478
39.59567744					
SGK2	SGK2	2.342742627	0	0	8.484788022
DYNC1I2	DYNC1I2	2155.323217	2502.41685		2364.282034
2068.402769					
DDX21	DDX21	5355.509645	5323.729354		5519.634265
5484.001325					
SRD5A1	SRD5A1	814.1030629	673.3370014		256.2496011
638.2446101					
CMSS1	CMSS1	1246.339078	1854.46963		1443.747753
1427.329896					
MFSD10	MFSD10	4214.593986	4743.826748		3497.315985
4462.055746					
ROCK1	ROCK1	6863.064526	5938.162062		6518.739853
6806.685502					
LY6G6C	LY6G6C	0	0	1.885508449	
MDGA1	MDGA1	233.1028914	178.7440607		371.4279933
263.0284287					
TEX11	TEX11	10.54234182	5.07795627	0	1.885508449
SNRPD3	SNRPD3	7273.044485	8045.513915		6199.990349
6481.435295					
PRKAR2B	PRKAR2B	38.65525334	25.38978135		135.7140745
86.73338867					
GPM6A	GPM6A	0	0	6.249990271	0
GPD1	GPD1	4.685485254	4.062365016		19.64282657
7.542033798					
DNAH6	DNAH6	22.25605496	22.34300759		85.71415229
25.45436407					
MAX	MAX	6096.987687	4543.755271		7584.809622
5445.348402					
HOXA9	HOXA9	9.370970508	0	0	9.427542247
REPS1	REPS1	3108.819466	3820.654298		3543.744484
3488.190631					
WDR43	WDR43	4806.136499	5666.999198		5738.383925
6417.328008					
CMTM8	CMTM8	192.1048954	123.902133		467.8564146
503.430756					
ZBTB8A	ZBTB8A	30.45565415	24.3741901	0	12.25580492
LILRB4	LILRB4	1.171371313	0	18.74997081	5.656525348
MRFAP1L1	MRFAP1L1		4597.632405		5585.751897
7493.738335		6628.504954			
AASDH	AASDH	708.6796446	483.4214369		752.6773998

838.1085058					
MT1IP MT1IP	0	2.031182508	5.357134518	0.942754225	
LUCAT1 LUCAT1	244.8166045		231.5548059	325.8923499	
136.6993626					
LOC100129940	LOC100129940	0	0	0	12.25580492
GPATCH2L	GPATCH2L		1680.917835	1450.264311	
1719.64018			1809.145357		
CSPG4 CSPG4	0	2.031182508	0	1.885508449	
HIST1H4F	HIST1H4F		49.19759517	26.40537261	
41.07136464			14.14131337		
HIST1H4D	HIST1H4D		39.82662466	29.45214637	
12.49998054			11.3130507		
POFUT1 POFUT1	3152.160205		3143.254931	3111.602299	
3123.344746					
MDP1 MDP1	912.4982532		799.2703169	808.9273122	
832.4519804					
PNP PNP	5588.612537		7193.432852	4308.921864	
4651.549345					
ENPEP ENPEP	5.856856567		25.38978135	43.7499319	
39.59567744					
MAP7 MAP7	132.3649584		161.4790094	203.5711117	
76.3630922					
BCLAF1 BCLAF1	10506.02931		11868.19939	11890.16006	
11806.11116					
SP140 SP140	3419.232864		3163.566756	2706.245787	
3157.283899					
MPHOSPH6	MPHOSPH6		1937.448152	2229.222803	
1580.354683			1533.861124		
PSME3 PSME3	14633.94182		17064.97984	10804.44747	
12017.2881					
KCNJ9 KCNJ9	8.199599194	0	0	3.771016899	
RAD51B RAD51B	481.4336098		601.2300224	598.2133545	
543.0264334					
HLA-B HLA-B	101424.3565		60330.18286	86149.8659	
159427.2814					
RANBP9 RANBP9	2423.567248		1509.168604	1134.819662	
1262.347907					
SMC1A SMC1A	14229.81872		18854.45163	11707.12463	
11427.12396					
RAPGEF1 RAPGEF1	8100.032633		3372.778555	2342.853496	
4210.340368					
SCUBE3 SCUBE3	7.028227881		2.031182508	1.785711506	
9.427542247					
ZPBP2 ZPBP2	28.11291152		16.24946006	66.07132572	
26.39711829					
SYVN1 SYVN1	1260.395533		775.9117181	1046.426943	
912.5860895					
ATG9B ATG9B	483.7763525		1031.840714	1076.784038	
555.2822384					
PNPLA1 PNPLA1	0	1.015591254	4.464278765	0	

KRBA1	KRBA1	60.9113083	21.32741634	128.5712284
86.73338867				
HPS4	HPS4	2135.409904	1858.531995	2712.495778
2332.373952				
OPTN	OPTN	9559.561289	11853.98112	8860.700493
8285.866881				
ARPC1B	ARPC1B	57455.76293	73342.95359	24550.85464
36121.62812				
MT1H	MT1H	12.88508445	24.3741901	4.464278765
9.427542247				
CDC123	CDC123	11282.64849	15972.20365	8091.95169
9207.880513				
BTG1	BTG1	7419.465899	8917.906802	30582.09525
26342.43855				
SSR4	SSR4	5460.933063	5907.694325	6045.526304
5763.99933				
SAP30L-AS1	SAP30L-AS1		141.7359289	160.4634181
254.4638896	138.584871			
ZNF625	ZNF625	58.56856567	79.21611782	41.96422039
90.50440557				
LOC100506023	LOC100506023		133.5363297	124.9177242
153.5711895	172.5240231			
ZNF124	ZNF124	490.8045803	468.1875681	622.3204599
716.4932108				
CTSH	CTSH	9906.287198	9832.954522	2296.424997
8457.44815				
NCAN	NCAN	5.856856567	14.21827756	51.78563368
54.67974503				
ZFR2	ZFR2	7.028227881	7.109138778	67.85703723
34.88190631				
PPP3CC	PPP3CC	4530.86424	5674.108336	4828.563912
4130.206258				
ATG16L1	ATG16L1	2532.50478	2615.147479	2687.495817
2310.690605				
RALGAPA2	RALGAPA2		972.2381902	564.6687373
792.8559087	1059.655749			
C9orf116	C9orf116		4.685485254	3.046773762
16.07140355	2.828262674			
ALS2CL	ALS2CL	25.7701689	9.140321286	258.0353126
233.8030477				
CYP3A5	CYP3A5	30.45565415	12.18709505	45.5356434
46.19495701				
CLSPN	CLSPN	3612.509131	3613.473682	1291.962275
1894.935992				
OBSL1	OBSL1	2.342742627	1.015591254	23.21424958
2.828262674				
TMEM135	TMEM135	1035.492241	971.9208301	610.7133351
928.6129113				
SRD5A2	SRD5A2	1.171371313	0	0
HTR1F	HTR1F	0	1.015591254	0

CNKS2	CNKS2	330.3267104	338.1918876	744.641698
559.9960095				
ATP5SL	ATP5SL	3455.545375	4716.405784	3062.495233
2994.187418				
SEMA4A	SEMA4A	721.5647291	1460.420223	1079.462605
602.4199496				
RPL37A	RPL37A	9454.137871	7200.541991	8462.486827
8743.10268				
CWC27	CWC27	1864.823131	2398.826542	1636.604595
1949.615737				
CHD8	CHD8	4197.023416	2454.684061	3008.031032
2139.109336				
LOC100129046	LOC100129046		5.856856567	14.21827756
10.71426904	4.713771124			
TOPORS-AS1	TOPORS-AS1		638.3973658	596.1520661
751.7845441	723.0924904			
LINC00535	LINC00535		0	2.828262674
MIR497HG	MIR497HG		7978.210016	10394.57649
5646.419782	5244.541752			
RAB11B-AS1	RAB11B-AS1		686.4235897	673.3370014
585.713374	576.0228313			
GDAP1L1	GDAP1L1	0	0	0.942754225
TSC22D3	TSC22D3	1158.486229	1543.698706	7171.417408
4308.386807				
TPTE2P5	TPTE2P5	276.44363	370.6908077	372.320849
309.2233857				
CLCN5	CLCN5	223.7319209	221.3988934	178.5711506
230.0320308				
SLC6A3	SLC6A3	1.171371313	0	0
TBC1D10B	TBC1D10B		3140.446491	1686.897073
1374.105004	1449.013243			
SARM1	SARM1	1125.687832	987.1546989	919.6414256
1054.941977				
NRG2	NRG2	1.171371313	4.062365016	17.85711506
2.828262674				
RBM38	RBM38	12743.34852	21129.37604	16013.36793
12153.04471				
FBX025	FBX025	1287.337073	1516.277742	1442.854897
1475.410362				
PPP3CB	PPP3CB	1221.74028	706.8515128	416.0707809
611.8474918				
B3GNTL1	B3GNTL1	470.891268	440.7666043	483.0349624
547.7402046				
OXSM	OXSM	1099.917663	1255.27079	1017.855558
1044.571681				
WDR13	WDR13	1801.56908	2417.107185	1645.533153
1483.89515				
NRXN2	NRXN2	2.342742627	0	0
RBM48	RBM48	1283.82296	1447.217537	2213.389412
2025.036075				

WDR54	WDR54	3189.644087	3503.789826	2010.711156
2394.595731				
WDR74	WDR74	2455.194273	3780.030648	5420.527277
3435.396395				
EPHX2	EPHX2	322.1271112	481.3902544	1346.426476
1183.156552				
KLC4	KLC4	415.8368163	389.9870416	1166.962469
609.0192292				
ABHD3	ABHD3	4362.186771	4863.666516	3000.888186
2943.27869				
POLR3H	POLR3H	7207.447692	10374.26466	7036.59619
6718.066605				
JOSD2	JOSD2	849.2442023	979.0299689	557.1419899
607.1337207				
ZNF675	ZNF675	1039.006355	904.8918074	2124.996692
1545.174174				
RHBDL3	RHBDL3	3.51411394	4.062365016	3.571423012
15.0840676				
COX14	COX14	2883.916174	3793.233334	4288.386182
2888.598945				
MFSD5	MFSD5	4119.712909	6125.030853	4342.850383
3723.879188				
RNF25	RNF25	1422.044775	1839.235761	1691.961652
1518.777056				
DEFA5	DEFA5	0	1.785711506	0
TIGD5	TIGD5	100.737933	51.79515396	44.64278765
80.1341091				
ACOX1	ACOX1	2854.631891	2966.542053	2516.960368
2139.109336				
NMD3	NMD3	3147.474719	3917.135467	3321.423401
3726.70745				
PPP6R3	PPP6R3	6906.405264	5558.330933	4677.67129
5706.491322				
SUSD2	SUSD2	2.342742627	0	24.10710533
SPRYD7	SPRYD7	432.2360147	713.9606516	679.4632281
455.3502905				
EEF2	EEF2	16405.05525	12250.06171	10643.73343
10990.62875				
INTS8	INTS8	5231.344286	5434.4288	4540.171504
4894.779935				
GNPDA2	GNPDA2	1116.316862	999.341794	1330.355072
1317.970406				
PNOC	PNOC	0	3.571423012	0
ECHDC3	ECHDC3	15.22782708	60.93547524	205.3568232
107.4739816				
TGS1	TGS1	1837.881591	1812.830388	1808.925756
2305.976834				
CST11	CST11	0	1.785711506	0
TLCD1	TLCD1	154.6210134	262.0225435	349.9994552
318.650928				

BEGAIN	BEGAIN	28.11291152	19.29623383	47.32135491	
49.02321969					
PPIP5K1	PPIP5K1	893.7563122	851.0654709	785.7130627	
995.5484613					
WDR27	WDR27	140.5645576	118.8241767	238.3924861	
213.0624548					
ZNF177	ZNF177	26.94154021	23.35859884	226.7853613	
114.0732612					
IQCJ-SCHIP1	IQCJ-SCHIP1		11.71371313	2.031182508	0
2.828262674					
SCAMP5	SCAMP5	3.51411394	4.062365016	0	0
HCFC1R1	HCFC1R1	1471.24237	1607.680955	864.2843689	
966.3230803					
EHBP1	EHBP1	705.1655307	698.7267828	619.6418926	
813.5968959					
KLKB1	KLKB1	5.856856567	0	23.21424958	9.427542247
NOX01	NOX01	48.02622385	26.40537261	23.21424958	
15.0840676					
ECHS1	ECHS1	5173.947092	8058.716601	5308.027452	
4972.085781					
SOX10	SOX10	1.171371313	1.015591254	0	0.942754225
SUM02	SUM02	13791.72584	14290.38454	13737.47862	
13207.98669					
CORT	CORT	79.65324932	97.49676039	75.89273901	
37.71016899					
FAM210B	FAM210B	370.1533351	276.2408211	1122.319682	
1197.297865					
MYL9	MYL9	29.28428284	4.062365016	1.785711506	
7.542033798					
PLTP	PLTP	1119.830976	1431.983668	1343.747908	
1306.657355					
TRIP12	TRIP12	16565.53311	8977.826686	7904.451982	
9243.705173					
PIGF	PIGF	1422.044775	1593.462678	866.9629362	
1055.884732					
IFNLR1	IFNLR1	178.0484396	135.0736368	172.3211603	
174.4095316					
SHISA4	SHISA4	29.28428284	34.53010264	20.53568232	
16.02682182					
ABHD15	ABHD15	1313.107242	672.3214102	616.9633253	
1010.632529					
CATSPER4	CATSPER4		4.685485254	0	0
PSIP1	PSIP1	5089.608357	4981.475101	9202.664246	0
8748.759205					
MEGF9	MEGF9	1049.548697	573.8090585	862.4986574	
739.1193122					
TMEM150C	TMEM150C		12.88508445	2.031182508	0
12.25580492					
HSPE1	HSPE1	10012.88199	11127.83337	10554.44786	
10141.2072					

RNF38	RNF38	3023.30936	2091.102392	3402.673275	
3263.815126					
IL27	IL27	1.171371313	4.062365016	17.85711506	0
CDKN2B-AS1	CDKN2B-AS1		80.82462063	157.4166444	
49.10706642		20.74059294			
SCAF8	SCAF8	2386.083366	1458.389041	2294.639285	
2487.928399					
IDH3G	IDH3G	4788.565929	6459.160376	3626.780069	
4243.336765					
3-Sep	3-Sep	89.02421982	86.32525659	9.821413283	
10.37029647					
DNMT3B	DNMT3B	155.7923847	134.0580455	29.46423985	
93.33266825					
MYZAP	MYZAP	4.685485254	6.093547524	83.03558503	
20.74059294					
SPDEF	SPDEF	0	3.046773762	0	
MRPL35	MRPL35	4378.58597	5006.864882	2858.924121	
3837.952449					
KANSL3	KANSL3	5369.566101	4757.029434	3445.530351	
3701.253086					
ATP6V1G3	ATP6V1G3		2.342742627	1.015591254	
5.357134518		2.828262674			
PHF10	PHF10	1705.516632	1742.754592	1983.925483	
1943.016457					
COMMD1	COMMD1	1752.371485	2196.723883	1266.962314	
1415.074091					
MEI1	MEI1	1789.855367	2973.651192	1923.211292	
1834.599721					
WDR90	WDR90	1007.37933	478.3434807	377.6779835	
511.915544					
TTY10	TTY10	12.88508445	0	22.62610139	
FIZ1	FIZ1	636.0546232	517.9515396	589.284797	
389.3574948					
BOLA2	BOLA2	576.3146862	444.8289693	258.9281684	
455.3502905					
EPSTI1	EPSTI1	3135.761006	3710.970442	7592.845324	
5648.983314					
L1CAM	L1CAM	182.7339249	170.6193307	58.9284797	
43.36669434					
TGM1	TGM1	5.856856567	31.48332888	46.42849916	
47.13771124					
CSTF1	CSTF1	4568.348122	5297.323981	3484.816004	
3629.603765					
PTGER2	PTGER2	3047.908158	5954.411522	2601.781664	
1917.562093					
PTGER1	PTGER1	5.856856567	8.124730032	0	13.19855915
TXN	TXN	21288.50225	28448.74221	19935.68325	
15844.87025					
TNFRSF4	TNFRSF4	10545.85594	12778.16916	6331.240145	
10988.74324					

SPN	SPN	11677.40062	11151.19197	4054.457975
5549.994121				
SESN1	SESN1	1412.673804	2275.94 4808.921086	3338.29271
SIAE	SIAE	619.6554248	483.4214369	465.1778473
603.3627038				
HMGCS2	HMGCS2	0	7.109138778	0
HLA-E	HLA-E	3.51411394	4.062365016	0.892855753
14.14131337				
GAS8	GAS8	85.51010588	118.8241767	466.9635588
497.7742306				
KXD1	KXD1	6271.522012	7947.001563	4585.707148
4761.851589				
OTULIN	OTULIN	3706.218836	4307.122508	3708.029942
3178.967246				
DIS3L	DIS3L	2742.180245	3338.248452	2252.675065
3012.099748				
ST6GAL1	ST6GAL1	9058.214367	7797.709649	11686.58895
12163.41501				
INTS12	INTS12	1417.359289	1680.803525	1410.71209
1408.474812				
ZNF695	ZNF695	64.42542224	23.35859884	1.785711506
16.02682182				
CTDSPL	CTDSPL	36.31251072	19.29623383	2.678567259
35.82466054				
NUTF2	NUTF2	8862.595358	10212.78565	5827.6695
6439.011355				
TCEB2	TCEB2	8282.766557	9531.323919	6552.668371
5916.725514				
CLTB	CLTB	4758.110275	6640.95121	3924.101035
3345.834744				
CDCP1	CDCP1	28.11291152	124.9177242	212.4996692
22.62610139				
MPZL3	MPZL3	3892.466875	3605.348952	3069.638079
3472.16381				
CLPX	CLPX	2045.214313	2175.396466	2233.925094
2375.740646				
FAM216A	FAM216A	794.1897505	838.8783758	792.8559087
773.0584643				
DNAJB6	DNAJB6	8249.968161	9803.502375	9959.805925
8991.047041				
CCDC71	CCDC71	60.9113083	14.21827756	52.67848943
16.02682182				
WBSCR22	WBSCR22	4077.543542	6143.311496	6635.703957
4961.715485				
LRRC19	LRRC19	10.54234182	3.046773762	0
CASD1	CASD1	1313.107242	843.9563321	16.02682182
1399.047269				1119.641114
SIRT3	SIRT3	992.1515025	1015.591254	1332.140784
1117.163756				
RNF141	RNF141	1160.828972	1023.715984	1366.069302

1500.864726				
ZNF623	ZNF623	584.5142854	527.0918609	1124.105393
1144.503629				
PRAF2	PRAF2	1301.393529	1469.560545	1308.033678
1286.859517				
RNF2	RNF2	1194.79874	1457.37345	1909.818456
1485.780658				
CLASRP	CLASRP	856.2724301	405.2209104	653.5704112
590.1641447				
ADRA1A	ADRA1A	0	0	1.785711506
MTMR10	MTMR10	1350.591124	856.1434272	0
1342.482016				1446.42632
MIA2	MIA2	2.342742627	3.046773762	0
DBN1	DBN1	347.8972801	598.1832486	17.91233027
365.7886392				925.8914159
RAB40A	RAB40A	7.028227881	2.031182508	5.357134518
6.599279573				
PSAT1	PSAT1	6487.054334	8549.247177	8633.022276
7360.082232				
ANGPTL7	ANGPTL7	2.342742627	0	0
CCNYL1	CCNYL1	277.6150013	119.839768	0
182.8943196				390.1779641
KNSTRN	KNSTRN	2909.686343	3365.669416	1156.2482
1872.30989				
ZNF610	ZNF610	101.9093043	88.3564391	551.7848554
290.3683012				
NDFIP2	NDFIP2	5735.033951	8967.670773	4169.636367
6590.794785				
TOMM34	TOMM34	4908.045803	7574.279573	4554.457196
4687.374005				
LOC101929613	LOC101929613		0	0
GMPR	GMPR	163.9919839	499.670897	0
81.07686333				0.942754225
PRKD2	PRKD2	4542.577954	5574.580393	201.7854002
3875.662618				
INPP4B	INPP4B	2954.198453	1829.079849	5372.313066
4660.034133				
ATG9A	ATG9A	5640.152874	5994.019581	3857.136853
4618.552947				
NR3C2	NR3C2	14.05645576	15.23386881	4400.886007
274.3414794				
KCNJ2	KCNJ2	5.856856567	3.046773762	211.6068135
MGP	MGP	1.171371313	3.046773762	0
11.3130507				25.45436407
RPL39	RPL39	4090.428627	3631.754324	28.5713841
4924.94807				
NAPG	NAPG	2211.54904	2532.884588	5788.383847
2038.234634				
MED26	MED26	867.9861433	482.4058457	1884.818495
477.0336377				
				572.3205377

PHPT1	PHPT1	4686.656625	8345.113335	5002.670784
3310.952837				
ACTG1	ACTG1	285194.9451	377508.4718	131812.2948
198180.1366				
NPPA-AS1	NPPA-AS1	46.85485254	33.51451138	
174.9997276	119.7297865			
ZNF321P	ZNF321P	105.4234182	93.43439537	200.8925444
156.4972013				
PRKCQ-AS1	PRKCQ-AS1	2042.871571	1978.371763	
2928.56687	2569.948017			
ZNF625-ZNF20	ZNF625-ZNF20	279.9577439	393.0338153	
516.963481	455.3502905			
RNASEK	RNASEK	10510.7148	11362.43495	9482.128097
7595.770789				
RAB4B-EGLN2	RAB4B-EGLN2	8876.651813	9907.092683	
10008.02014	8112.400104			
AKAP8	AKAP8	3399.319552	3154.426435	2559.817444
2999.843943				
GJB7	GJB7	3.51411394	2.031182508	16.07140355
4.713771124				
C3orf62	C3orf62	160.4778699	106.6370817	166.0711701
143.2986422				
DOK6	DOK6	607.9417117	62.96665775	39.28565313
578.851094				
WDR5	WDR5	3828.041452	4004.476315	2658.031577
3215.734661				
STAT3	STAT3	17219.15831	14423.42699	25783.88844
27384.18197				
CEPT1	CEPT1	2046.385685	1698.068577	2546.424608
2756.613353				
RUNX1	RUNX1	1424.387517	794.1923607	1176.783882
1802.546078				
RPH3A	RPH3A	0	8.035701777	0
ARL13B	ARL13B	573.9719436	577.8714236	608.9276236
494.0032138				
HK2	HK2	1923.391697	2276.955592	1599.997509
2143.823107				
GAA	GAA	1300.222158	1501.043873	1233.033795
1355.680575				
ZNF268	ZNF268	1776.970283	2105.32067	2903.566909
2555.806703				
IRF6	IRF6	21.08468364	10.15591254	29.46423985
21.68334717				
ABCA2	ABCA2	800.0466071	81.24730032	136.6069302
386.5292321				
YIPF7	YIPF7	0	2.031182508	2.678567259
0	0			
RASAL3	RASAL3	18174.9973	17481.37226	9902.663157
11629.81612				
UXS1	UXS1	4132.597994	5884.335726	3511.601677
3517.416012				

NLRP7	NLRP7	5.856856567	5.07795627	0	0
HPRT1	HPRT1	7712.308728	7420.925293	3913.386766	
5477.402046					
TXLNA	TXLNA	12094.40881	11633.59782	7640.166679	
9380.404536					
RCE1	RCE1	1482.956083	1920.483061	1773.211526	
1875.138153					
DOPEY2	DOPEY2	1036.663612	827.7068721	945.5342425	
605.2482123					
WDR70	WDR70	1658.66178	2005.792727	1523.211915	
1837.427984					
UBAP1L	UBAP1L	7.028227881	3.046773762	37.49994163	
22.62610139					
COX5B	COX5B	9326.458398	11242.59518	7213.381629	
6974.495754					
GALC	GALC	1911.677984	1342.611638	1135.712518	
1811.97362					
TYMS	TYMS	20163.98579	20028.47512	7875.880597	
11057.5643					
TUBG1	TUBG1	7312.87111	11616.33276	5670.526887	
5500.970901					
CCDC68	CCDC68	5.856856567	1.015591254	5.357134518	
5.656525348					
CLDN12	CLDN12	114.7943887	112.7306292	164.2854586	
100.874702					
TGFBR1	TGFBR1	1912.849355	2709.597466	2600.888809	
2079.71582					
CLCF1	CLCF1	31.62702546	26.40537261	115.1783921	
66.93554995					
PRSS55	PRSS55	0	0	8.484788022	
RAB29	RAB29	4571.862236	5799.026061	4070.529378	
4391.349179					
CPEB2	CPEB2	467.3771541	288.4279162	382.1422623	
382.7582152					
FIRRE	FIRRE	78.481878	76.16934405	58.03562395	
134.8138541					
ZSCAN32	ZSCAN32	1248.68182	1446.201946	1979.461204	
1736.553282					
HAUS1	HAUS1	2948.341596	3427.620482	2002.675454	
2305.976834					
TMEM161B	TMEM161B		921.8692237	807.395047	
1029.462683	1070.968799				
LOC101928103	LOC101928103		33.96976809	47.73278894	
24.99996108	14.14131337				
UBE2L6	UBE2L6	13370.03217	19511.53917	25134.7823	
18547.74662					
KCTD13	KCTD13	652.4538216	783.0208569	866.9629362	
1007.804266					
C14orf159	C14orf159		3908.866073	3742.453771	
3637.494338	3832.295923				

TPRG1L	TPRG1L	880.8712277	555.528416	1666.961691	
1063.426765					
NANP	NANP	617.3126822	633.7289425	648.2132767	
608.0764749					
ZNF12	ZNF12	2350.942226	1869.703499	3285.709171	
3416.54131					
IKZF2	IKZF2	576.3146862	404.2053191	159.8211798	
762.6881678					
HPCAL4	HPCAL4	15.22782708	108.6682642	341.0708977	
179.1233027					
MME	MME	18.74194102	0	33.03566286	52.79423658
RPS27L	RPS27L	9792.664181	11748.35963	9333.914042	
6276.857628					
CD93	CD93	49.19759517	0	15.1785478	24.51160984
FEN1	FEN1	15704.5752	21806.77541	8496.415346	
10486.25524					
LSM11	LSM11	312.7561407	242.7263097	204.4639674	
290.3683012					
WTAP	WTAP	6697.90117	6257.057716	6839.275068	
6692.612241					
IGLL1	IGLL1	1.171371313	3.046773762	7.142846024	
13.19855915					
ZDHHC16	ZDHHC16	4778.023588	6433.770594	3304.459142	
4129.263504					
NUDT6	NUDT6	272.929516	339.2074789	211.6068135	
197.9783872					
YEATS2	YEATS2	2758.579443	1256.286381	1808.0329	
1781.805485					
SNORA59A	SNORA59A		2.342742627	4.062365016	
2.678567259	8.484788022				
LOC606724	LOC606724		10845.72699	13869.92976	
4041.065138	6254.231527				
SNORA66	SNORA66	10.54234182	19.29623383	25.89281684	
24.51160984					
SNORA71D	SNORA71D		30.45565415	40.62365016	
59.82133545	29.22538097				
SNORA71C	SNORA71C		35.1411394	21.32741634	0
	16.02682182				
AUH	AUH	1172.542685	1486.825596	1031.248395	
1235.008034					
ATRNL1	ATRNL1	28.11291152	140.1515931	27.67852834	
6.599279573					
AAGAB	AAGAB	5943.538044	6410.411996	5062.49212	
5336.931666					
MYPOP	MYPOP	29.28428284	14.21827756	11.60712479	
12.25580492					
SEMA3A	SEMA3A	8.199599194	44.68601518	1.785711506	0
CAMTA2	CAMTA2	2757.408072	1663.538474	1465.176291	
2129.681794					
CD244	CD244	99.56656164	93.43439537	125.8926612	

160.2682182					
TCF4	TCF4	351.411394	102.5747167	17.85711506	
128.2145746					
SENP7	SENP7	930.0688229	635.760125	1344.640764	
1317.027652					
ASAP1-IT1	ASAP1-IT1	0	1.015591254	0	0
DLEU2	DLEU2	864.4720293	715.9918341	484.8206739	
748.5468544					
LYSMD4	LYSMD4	1064.776524	605.2923874	1000.891299	
992.7201986					
COMMD4	COMMD4	3050.2509	3545.429068	1553.56901	
1862.882348					
GCOM1	GCOM1	3043.222672	2734.987247	3806.244075	
3919.972066					
SNORA15	SNORA15	1.171371313	4.062365016	8.92855753	
4.713771124					
SNORA12	SNORA12	15.22782708	9.140321286	25.89281684	
18.85508449					
NVL	NVL	2369.684167	3144.270523	2287.496439	
2039.177388					
SNORA17	SNORA17	12.88508445	7.109138778	49.99992217	
27.33987252					
SNORD17	SNORD17	114.7943887	127.964498	49.10706642	
48.08046546					
SUM01P3	SUM01P3	30.45565415	25.38978135	32.14280711	
41.48118589					
PIM1	PIM1	18306.19089	21152.73464	7467.845518	
8889.229585					
ATP7B	ATP7B	21.08468364	31.48332888	103.5712674	
37.71016899					
ENTPD8	ENTPD8	0	0	3.771016899	
CA13	CA13	22.25605496	8.124730032	13.3928363	
24.51160984					
ARHGDIB	ARHGDIB	117964.1195	150827.4883	52486.52544	
67892.44549					
HSPA13	HSPA13	3190.815458	3166.61353	3769.636989	
2937.622164					
PRB3	PRB3	9.370970508	3.046773762	9.821413283	
12.25580492					
SRP72	SRP72	8180.857253	9874.593763	7045.524747	
8084.117477					
RPUSD4	RPUSD4	1492.327053	1974.309398	2008.925444	
1509.349514					
NUTM2B-AS1	NUTM2B-AS1		837.5304891	830.7536458	
762.4988131		1092.652146			
ASPHD2	ASPHD2	2065.127626	3231.61137	1519.640492	
1370.764643					
SALL4	SALL4	0	7.109138778	0	0
GJC2	GJC2	1.171371313	0	0	2.828262674
GALNT11	GALNT11	1527.468193	2005.792727	2558.031732	

2091.02887						
CAND2	CAND2	10.54234182		15.23386881		58.03562395
148.0124133						
CH25H	CH25H	0	3.046773762		15.1785478	4.713771124
SEC61B	SEC61B	8279.252444		9020.481518		6289.275924
6208.979324						
NEURL3	NEURL3	120.6512453		77.18493531		74.1070275
113.130507						
SLC37A4	SLC37A4	1706.688004		1881.890594		1089.284019
1425.444388						
STIL	STIL	5732.691208		5892.460456		2241.960796
2685.906786						
PLD5	PLD5	0	0	1.785711506		0
EPB42	EPB42	0	0	7.142846024		0
LOC101928128	LOC101928128			0	0	2.678567259
CFLAR	CFLAR	10598.56764		10082.78997		9261.592726
9516.161144						
DHFRL1	DHFRL1	1142.087031		928.2504062		650.891844
980.4643937						
RAI2	RAI2	25.7701689		27.42096386		305.3566675
107.4739816						
CHD1	CHD1	3406.34778		2517.650719		3465.173178
3750.276306						
PEX10	PEX10	960.524477		1217.693914		994.6413089
990.8346902						
PDGFRB	PDGFRB	44.51210991		26.40537261		20.53568232
5.656525348						
GRIA3	GRIA3	0	0	0	1.885508449	
SRSF5	SRSF5	10472.05954		7937.861242		15272.29766
15117.06399						
TMEM115	TMEM115	1830.853363		2704.51951		2880.352659
2535.06611						
TMEM99	TMEM99	692.2804463		843.9563321		868.7486477
658.0424489						
KCNK4	KCNK4	1.171371313		0	0	0
FBX024	FBX024	30.45565415		53.82633646		55.35705669
38.65292321						
MPHOSPH10	MPHOSPH10			2020.615516		2133.757225
3410.708977		2775.468438				
PRDM4	PRDM4	3343.093729		3295.593619		3396.423285
3240.24627						
GATA6	GATA6	0	0	2.678567259		0
PGF	PGF	5.856856567		25.38978135		31.24995136
YY2	YY2	103.0806756		120.8553592		118.7498152
97.10368515						
CDH26	CDH26	8.199599194		3.046773762		15.1785478
26.39711829						
SERP2	SERP2	2.342742627		0	0	9.427542247
EPS15L1	EPS15L1	1573.151674		1254.255199		820.534437
882.4179543						

RAB28	RAB28	1125.687832	1018.638028	1210.712401
1105.850706				
NECAP2	NECAP2	9298.345486	14205.07487	10299.98397
9028.75721				
RAD54L	RAD54L	3618.365987	3162.551165	1535.711895
2042.948405				
BOD1	BOD1	312.7561407	192.9623383	424.1064827
418.5828758				
FAM217B	FAM217B	2181.093386	1664.554065	1518.747636
2063.688998				
FAM177A1	FAM177A1		1858.966274	1991.574449
1828.568582	1955.272262			
KIT	KIT	111.2802748	1980.402945	445.5350208
459.1213074				
PRL	PRL	0	4.062365016	0
2.828262674				
TRIQK	TRIQK	69.11090749	13.2026863	79.46416202
106.5312274				
SGOL2	SGOL2	2299.401888	2057.587881	907.1414451
1383.020448				
SCN1A	SCN1A	7.028227881	3.046773762	15.1785478
3.771016899				
RAB43	RAB43	1432.587116	1000.357385	1115.176836
1010.632529				
SGCE	SGCE	4.685485254	8.124730032	13.3928363
7.542033798				
TCEB1	TCEB1	5363.709244	4926.633173	3141.959395
3176.138983				
GSTM5	GSTM5	1.171371313	0	0
4.713771124				
CTSL	CTSL	494.3186943	4600.628381	2855.352698
2227.728233				
PSMB4	PSMB4	5000.584137	5099.283687	2887.495505
2946.106952				
STAG2	STAG2	8331.964153	6596.265195	8158.023015
9715.082286				
RMDN1	RMDN1	2677.754823	2697.410371	2062.49679
2421.935603				
SUSD1	SUSD1	1458.357285	1542.683115	296.42811
318.650928				
C22orf39	C22orf39		1956.190093	1960.09112
2004.461166	2109.883955			
CGREF1	CGREF1	309.2420268	680.4461402	403.5708004
253.6008864				
HEATR5B	HEATR5B	2361.484568	1639.164284	1808.0329
2124.968023				
TBC1D16	TBC1D16	103.0806756	57.88870148	103.5712674
105.5884732				
FAM105A	FAM105A	2397.797079	4021.741366	2797.317074
2473.787086				
C6orf62	C6orf62	9224.549093	4744.842339	7514.274018
7503.380875				

POLR1B	POLR1B	5007.612365	5557.315342	5075.884956	
5931.809582					
PCDHGA10	PCDHGA10		0	15.23386881	40.17850889
	14.14131337				
TOLLIP	TOLLIP	3071.335584	3811.513976	4422.314545	
3326.979659					
LOC101928363	LOC101928363		4.685485254	4.062365016	
8.92855753	0				
MPL	MPL	1.171371313	3.046773762	1.785711506	0
INPP1	INPP1	949.9821352	1623.930415	843.7486866	
935.2121909					
DCST1	DCST1	9.370970508	15.23386881	33.03566286	
24.51160984					
ARID3B	ARID3B	4220.450842	4221.812843	2464.281878	
2315.404376					
TBL3	TBL3	5367.223358	8231.367114	6023.20491	
5206.831583					
VM01	VM01	2.342742627	2.031182508	0.892855753	
13.19855915					
ARMC1	ARMC1	4803.793757	5150.063249	4256.243375	
4335.726679					
CCDC186	CCDC186	986.2946459	861.2213834	1432.140628	
1484.837904					
THAP1	THAP1	1796.883595	2063.681428	1875.889937	
1978.841118					
ANKRD45	ANKRD45	0	11.17150379	0	0
SETD3	SETD3	3942.835841	4245.171442	3243.744951	
3636.203045					
RORA	RORA	3975.634238	3094.506551	3720.529923	
5560.364417					
CYGB	CYGB	3.51411394	2.031182508	33.03566286	0
RAD17	RAD17	3210.72877	3304.733941	3603.565819	
3626.775502					
POGZ	POGZ	946.4680213	601.2300224	1232.140939	
958.7810465					
NADK2	NADK2	859.7865441	768.8025793	1811.604323	
1463.154557					
CCDC77	CCDC77	842.2159744	842.9407409	606.2490563	
689.1533383					
CHCHD4	CHCHD4	1557.923847	2115.476582	1308.926534	
1349.081296					
SLC17A3	SLC17A3	4.685485254	2.031182508	16.07140355	
11.3130507					
AP1B1	AP1B1	10507.20068	7376.239278	3336.601949	
4404.547738					
ATP5L2	ATP5L2	12.88508445	1.015591254	16.96425931	
0.942754225					
C10orf67	C10orf67		31.62702546	30.46773762	
3.571423012	7.542033798				
SLC12A9	SLC12A9	1049.548697	374.7531727	436.6064632	

412.9263504				
KCTD10	KCTD10	5154.033779	5604.03254	3860.708276
3950.140202				
MCF2L	MCF2L	14.05645576	13.2026863	49.10706642
102.7602105				
GJC3	GJC3	4.685485254	2.031182508	10.71426904
0.942754225				
VPS13B	VPS13B	2758.579443	1876.812637	2547.317463
2824.491657				
AQP11	AQP11	72.62502143	71.09138778	64.28561422
50.90872813				
ELOVL2	ELOVL2	2.342742627	0	40.17850889
G2E3	G2E3	2168.208301	1983.449719	1926.782715
1932.646161				
LRRC40	LRRC40	2101.440136	2090.086801	1627.676038
1798.775061				
GSDMD	GSDMD	9238.605549	8447.688051	5417.848709
7820.146294				
DI02	DI02	4.685485254	0	0
NUPL1	NUPL1	7049.312564	6833.913549	5266.063231
5867.702295				
BRWD1	BRWD1	3439.146176	2940.13668	3885.708237
4876.867604				
ZXDC	ZXDC	2196.321213	2201.801839	3454.458908
3031.897587				
MT2A	MT2A	16118.06927	9639.992183	8832.129109
12585.7689				
TPR	TPR	11123.34199	9657.257235	10423.19806
10895.41058				
ARHGAP22	ARHGAP22		1.171371313	1.015591254
4.464278765	1.885508449			
GABPA	GABPA	3782.357971	3137.161384	3364.280477
3162.940424				
ADCY4	ADCY4	16.39919839	4.062365016	118.7498152
42.42394011				
RIOK2	RIOK2	2302.916002	3209.268363	3278.566325
2999.843943				
CKB	CKB	98.39519033	62.96665775	89.2855753
402.556054				
CRYBA4	CRYBA4	0	9.140321286	0
CHGB	CHGB	16.39919839	5.07795627	87.4998638
55.62249926				
RHOH	RHOH	4985.35631	6593.218421	8200.880092
7303.516979				
SUPT7L	SUPT7L	3385.263096	3559.647345	3155.352231
3234.589745				
LINC00589	LINC00589		3.51411394	3.046773762
41.96422039	1.885508449			
BMS1P4	BMS1P4	285.8146005	192.9623383	368.749426
324.3074533				

PCDHA10	PCDHA10	0	0	8.035701777	0
GALNTL6	GALNTL6	0	0	0	1.885508449
HAR1A	HAR1A	31.62702546		7.109138778	59.82133545
209.2914379					
SNHG11	SNHG11	434.5787573		462.0940206	521.4277598
461.0068159					
TROAP	TROAP	2830.033093		2989.900652	805.3558892
1496.150955					
HSF4	HSF4	209.6754651		233.5859884	97.32127708
157.4399555					
DFNB31	DFNB31	168.6774691		226.4768497	208.0353905
103.7029647					
BEND4	BEND4	42.16936728		61.9510665	0
SLFN12L	SLFN12L	540.0021755		220.3833021	399.9993774
503.430756					1.885508449
KCNAB1	KCNAB1	36.31251072		13.2026863	32.14280711
58.45076193					
RPL38	RPL38	9780.950467		10482.93292	9818.734716
9032.528227					
SLC9A7	SLC9A7	1504.040766		1951.96639	989.2841744
926.7274029					
SPX	SPX	40.99799597		61.9510665	8.035701777
22.62610139					
C1orf86	C1orf86	1460.700028		1744.785774	1404.4621
1413.188583					
RASL11A	RASL11A	24.59879758		13.2026863	28.5713841
40.53843166					
C14orf166	C14orf166			7672.482103	9662.335191
6917.846374	6702.039783				
SBDS	SBDS	2569.988662		3359.575868	6339.275847
4272.562146					
ZNF107	ZNF107	2677.754823		1811.814797	2699.995797
2964.962037					
SLC26A7	SLC26A7	2.342742627		3.046773762	4.464278765
0.942754225					
SLC13A4	SLC13A4	22.25605496		14.21827756	57.14276819
29.22538097					
PPHLN1	PPHLN1	5351.995531		5367.399778	4489.278726
4484.681847					
ACAP2	ACAP2	3560.968793		2942.167863	2732.138604
2741.529285					
ATXN10	ATXN10	5735.033951		6588.140465	5449.991516
6232.54818					
FAM65B	FAM65B	12307.59839		11585.86503	13011.58689
10257.16596					
GLB1L	GLB1L	227.2460348		209.2117983	324.1066384
236.6313104					
GUSBP9	GUSBP9	76.13913537		58.90429273	82.14272928
79.19135488					
ATG5	ATG5	3611.337759		4350.792932	3657.137164

3441.995674				
POLN	POLN	108.9375322	73.12257029	64.28561422
65.05004151				
TMEM217	TMEM217	414.665445	553.4972335	122.3212382
164.0392351				
GBGT1	GBGT1	11.71371313	17.26505132	57.14276819
19.79783872				
C10orf128	C10orf128		2045.214313	1114.103606
702.6774776	2729.273481			
DUSP22	DUSP22	987.4660172	1023.715984	1568.747558
1415.074091				
USP49	USP49	459.1775549	285.3811424	365.178003
474.205375				
CAPS2	CAPS2	32.79839678	24.3741901	57.14276819
55.62249926				
SAMSN1	SAMSN1	8014.522527	11929.13487	7669.630919
8818.523018				
FUS	FUS	13647.64717	6831.882366	9174.985718
8274.55383				
CHRM4	CHRM4	2.342742627	2.031182508	11.60712479
8.484788022				
CHRM2	CHRM2	0	0	3.571423012
GBAS	GBAS	4461.753333	4556.957957	2441.067629
3484.419615				
NPTN	NPTN	2573.502776	2232.269576	1831.247149
2618.028482				
LARP6	LARP6	3.51411394	0	3.571423012
BCS1L	BCS1L	1564.952075	2544.056091	1633.033172
1603.624936				
PROB1	PROB1	737.9639275	1043.012218	218.7496595
287.5400385				
RPAIN	RPAIN	5772.517833	7530.609149	6070.526265
6678.470928				
LILRA3	LILRA3	0	0	103.5712674
SCHIP1	SCHIP1	11.71371313	2.031182508	0
CANT1	CANT1	1734.800915	567.715511	460.7135686
678.7830418				
CHFR	CHFR	4738.196963	4868.744472	2332.139227
3241.189025				
FMR1	FMR1	1142.087031	1281.676163	1834.818572
1269.889941				
PACSIN2	PACSIN2	2657.84151	2578.586194	2707.138643
2201.331115				
TRIM6	TRIM6	7.028227881	4.062365016	1.785711506
4.713771124				
SMIM18	SMIM18	9.370970508	5.07795627	4.464278765
5.656525348				
STUB1	STUB1	6642.846719	9363.751362	8170.522996
7786.207142				
NFKBIZ	NFKBIZ	2888.601659	2748.189933	3837.494027

4454.513712					
CPM	CPM	899.6131687	590.0585186	248.2138993	
1178.442781					
RBF0X3	RBF0X3	4.685485254	2.031182508	17.85711506	
3.771016899					
SYT3	SYT3	0	0	25.89281684	0.942754225
YARS2	YARS2	1676.23235	1934.701339	1393.74783	
1520.662564					
C3orf56	C3orf56	0	0	0.892855753	0
ANAPC15	ANAPC15	2746.86573	3595.193039	1437.497762	
1717.698197					
SPIDR	SPIDR	2090.897795	1866.656725	1464.283435	
1924.161373					
RALGAPB	RALGAPB	4171.253247	3791.202151	4518.742966	
4039.701853					
UBE3C	UBE3C	6683.844715	5254.669148	4345.52895	
4894.779935					
CD14	CD14	5.856856567	0	47.32135491	23.56885562
BCL2L14	BCL2L14	167.5060978	420.4547792	926.7842716	
777.7722354					
HMG5	HMG5	192.1048954	135.0736368	142.8569205	
157.4399555					
TANC2	TANC2	130.0222158	14.21827756	307.142379	
324.3074533					
WNT4	WNT4	0	0	4.713771124	
NRBF2	NRBF2	2232.633723	2551.16523	2427.674792	
2149.479632					
DISP1	DISP1	144.0786716	191.946747	291.0709755	
324.3074533					
KPNA7	KPNA7	0	2.031182508	0	1.885508449
SRP9	SRP9	20078.47568	17643.86686	13568.72888	
17117.58846					
STYX	STYX	4097.456854	2942.167863	2471.424724	
3405.22826					
CEACAM19	CEACAM19		7.028227881	0	1.785711506
0					
PDZK1	PDZK1	4.685485254	14.21827756	33.92851862	
14.14131337					
PRKAA1	PRKAA1	3864.353963	2762.408211	3283.030604	
3694.653807					
SLC12A4	SLC12A4	1965.561064	2021.026596	1124.105393	
1268.004432					
PRKCB	PRKCB	14589.42971	13001.59923	10014.27013	
13650.13842					
MIR3153	MIR3153	18.74194102	6.093547524	5.357134518	
6.599279573					
MIR3143	MIR3143	2.342742627	1.015591254	0	5.656525348
MIR3199-2	MIR3199-2		0	0	3.571423012
0					0
SPATA33	SPATA33	320.9557399	234.6015797	189.2854196	
211.1769463					

MIR3200	MIR3200	1.171371313	0	0	0
PRDM11	PRDM11	52.71170911	36.56128515	142.8569205	
129.1573288					
MELK	MELK	6252.780071	6107.765802	2598.210241	
3780.444441					
FAM193A	FAM193A	836.3591178	587.0117448	1102.676855	
635.4163475					
MIR4315-2	MIR4315-2		228.4174061	262.0225435	
290.1781197	234.745802				
BRSK2	BRSK2	1.171371313	1.015591254	15.1785478	
7.542033798					
TUBGCP2	TUBGCP2	4890.475234	6547.516815	4343.743238	
4346.096976					
MIR941-4	MIR941-4		0	1.015591254	0
2.828262674					
CHRNA7	CHRNA7	0	1.015591254	0	0
HCP5	HCP5	24.59879758	3.046773762	11.60712479	
36.76741476					
ZNF74	ZNF74	493.147323	608.3391612	1090.176874	
623.1605425					
SSBP1	SSBP1	8684.546918	9579.056708	7085.703256	
7777.722354					
TBC1D10C	TBC1D10C		13972.11703	18376.10815	
7458.024105	7880.482564				
TSP0	TSP0	6197.72562	9110.86914	4852.671018	
4980.570569					
BLOC1S1	BLOC1S1	2817.148009	2993.963017	2010.711156	
2173.991242					
CYP21A1P	CYP21A1P		1.171371313	0	0
LOC100130476	LOC100130476		189.7621528	239.679536	0
233.0353515	263.9711829				
ZNF663P	ZNF663P	0	1.015591254	5.357134518	1.885508449
LOC283693	LOC283693		24.59879758	16.24946006	
13.3928363	59.39351616				
HERC2P9	HERC2P9	154.6210134	105.6214904	142.8569205	
105.5884732					
ZSCAN18	ZSCAN18	185.0766675	278.2720036	1787.497218	
1246.321085					
C3	C3	0	0	20.53568232	16.02682182
SLC26A1	SLC26A1	161.6492413	74.13816155	211.6068135	
247.9443611					
OLAH	OLAH	14.05645576	54.84192772	22.32139383	
7.542033798					
DOHH	DOHH	2945.998853	3389.028015	2062.49679	
1828.000442					
KATNAL2	KATNAL2	22.25605496	14.21827756	17.85711506	
35.82466054					
TIGD4	TIGD4	18.74194102	4.062365016	26.78567259	
42.42394011					
GLT8D2	GLT8D2	18.74194102	13.2026863	60.71419121	

28.28262674					
PRR3	PRR3	0	0	0	2.828262674
FGGY	FGGY	333.8408243		569.7466935	371.4279933
222.489997					
TMEM209	TMEM209	5691.693212		5213.029907	4341.957527
5288.851201					
ARSG	ARSG	392.40939		168.5881482	310.7138021
364.845885					
RASSF4	RASSF4	216.703693		235.6171709	105.3569789
156.4972013					
IP6K3	IP6K3	3.51411394		0	0
UNC119	UNC119	2480.964442		3383.950058	2319.639246
2373.855138					
BACE1	BACE1	33.96976809		30.46773762	25.89281684
70.70656685					
FAM120A	FAM120A	3679.277296		2927.949585	1884.818495
2162.678191					
C20orf203	C20orf203			3.51411394	1.015591254
8.035701777	1.885508449				
IL12RB2	IL12RB2	6854.864926		7424.987658	4105.350752
7540.148289					
RTN4	RTN4	4357.501286		2707.566283	2915.174034
3049.809917					
RCAN2	RCAN2	614.9699396		242.7263097	131.2497957
645.7866439					
DUSP28	DUSP28	366.6392211		441.7821955	583.0348067
413.8691047					
RGPD1	RGPD1	69.11090749		67.02902277	82.14272928
161.2109724					
DNMBP	DNMBP	169.8488405		179.759652	308.0352348
309.2233857					
SLC39A10	SLC39A10			1718.401717	1182.14822
666.9632475	1103.965197				
C12orf65	C12orf65			1338.877411	1409.640661
3011.602455	2222.071708				
FAM178B	FAM178B	0	0	8.92855753	6.599279573
ACAP1	ACAP1	12961.22358		14507.72106	7085.703256
9427.542247					
MCUR1	MCUR1	2820.662123		2928.965177	1882.139927
2120.254251					
DROSHA	DROSHA	3343.093729		2743.111977	2093.746741
2382.339926					
SYCE1L	SYCE1L	346.7259088		470.2187506	373.2137048
435.5524518					
RPL17-C18orf32	RPL17-C18orf32			12450.50569	13368.22768
13266.94363	12397.21806				
CSTF3	CSTF3	2984.654107		3585.037127	2299.103564
3009.271485					
DPCD	DPCD	254.187575		395.0649978	186.6068524
269.6277083					

IGLL5	IGLL5	3.51411394	76.16934405	0	0
OCLN	OCLN	1.171371313	3.046773762	20.53568232	
12.25580492					
ATP6AP1	ATP6AP1	5852.171082	7025.860296	7133.917467	
6134.50174					
SUPT6H	SUPT6H	5881.455365	3716.048399	4117.850733	
4818.416843					
ZC2HC1C	ZC2HC1C	107.7661608	125.9333155	117.8569594	
94.27542247					
GALNT12	GALNT12	118.3085027	73.12257029	600.8919218	
644.8438897					
GNB1L	GNB1L	778.9619235	1413.703026	1039.284097	
701.4091432					
LEPRE1	LEPRE1	1782.827139	3225.517823	2974.102513	
2048.60493					
CMTR2	CMTR2	2997.539191	2584.679742	2413.3891	
2814.121361					
SLC29A3	SLC29A3	426.3791581	776.9273093	524.106327	
512.8582982					
ERMARD	ERMARD	1152.629372	1223.787461	1208.92669	
1182.213798					
UBFD1	UBFD1	4029.517318	4140.565543	2579.460271	
3025.298307					
ZFHX4	ZFHX4	0	1.785711506	0.942754225	
PCBP2-OT1	PCBP2-OT1	443.0944856	366.6392211	411.3144579	
488.3920969					
GPR125	GPR125	768.4195816	842.9407409	203.5711117	
470.4343581					
CERS3	CERS3	1.171371313	1.015591254	5.357134518	
3.771016899					
SLC45A1	SLC45A1	9.370970508	11.17150379	24.10710533	
57.50800771					
CLN3	CLN3	2431.766847	3258.016743	2348.21063	
2519.039288					
VAMP5	VAMP5	2093.240537	3226.533414	1554.461866	
1415.074091					
PTX3	PTX3	0	1.015591254	0	
CDK2	CDK2	5339.110447	5579.65835	2891.959784	
3574.92402					
CPT1B	CPT1B	1371.675808	251.866631	725.8917272	
1022.888334					
BRD9	BRD9	1930.419925	2257.659358	2312.4964	
2064.631752					
AG03	AG03	1304.907643	1164.883168	1368.747869	
1377.363922					
ZNF485	ZNF485	63.25405093	35.54569389	577.6776722	
461.0068159					
PACS2	PACS2	685.2522184	656.0719501	920.5342814	
1046.457189					
APOL3	APOL3	7360.897334	7786.538145	11817.83875	

8837.378102				
MRPL33 MRPL33	3049.079529	3373.794146	2993.74534	
2810.350344				
IRAK3 IRAK3	115.96576	125.9333155	5.357134518	
31.11088942				
UTP18 UTP18	4905.703061	6098.625481	5200.884761	
5549.051367				
GEMIN5 GEMIN5	3471.944573	3800.342473	3775.88698	
3782.32995				
FANCF FANCF	1391.58912	1525.418064	1610.711778	
1791.233027				
CLEC7A CLEC7A	5.856856567	4.062365016	19.64282657	
42.42394011				
DIRC2 DIRC2	279.9577439	252.8822223	338.3923304	
309.2233857				
PSMB8 PSMB8	71.45365012	474.2811156	408.9279349	
89.56165135				
MARK1 MARK1	2.342742627	3.046773762	0 0	
PECR PECR	1068.290638	1336.51809	518.7491925	
777.7722354				
NPPA NPPA	2.342742627	4.062365016	38.39279738	
20.74059294				
DENND4C DENND4C	3659.363983	3067.085587	4105.350752	
3971.823549				
CXCL11 CXCL11	16.39919839	3.046773762	58.9284797	
32.99639787				
CCL13 CCL13	1.171371313	1.015591254	65.17846997	
13.19855915				
GPRC5A GPRC5A	11.71371313	2.031182508	0 0	
CALCB CALCB	4.685485254	4.062365016	5.357134518	
6.599279573				
TMC7 TMC7	3.51411394	5.07795627	2.678567259	
6.599279573				
PRF1 PRF1	8562.724301	12350.60524	3894.636795	
4940.974892				
DHX8 DHX8	4111.51331	4622.971388	3642.851472	
3584.351562				
CHP1 CHP1	3011.595647	1524.402472	858.9272344	
1210.496425				
UTP11L UTP11L	3569.168392	4430.00905	3216.959278	
3391.086946				
SLC6A8 SLC6A8	7.028227881	4.062365016	23.21424958	
14.14131337				
H6PD H6PD	1034.32087	734.2724767	754.4631113	
932.3839282				
PRRX2 PRRX2	18.74194102	42.65483267	33.92851862	
18.85508449				
TCF19 TCF19	29.28428284	26.40537261	13.3928363	
29.22538097				
U2AF1L4 U2AF1L4	1364.64758	1564.010531	1820.53288	

1503.692988					
AP1S1	AP1S1	551.7158886	202.1026596	112.4998249	
140.4703795					
CTSD	CTSD	9522.077407	13175.26534	8942.843222	
8214.21756					
POU3F1	POU3F1	65.59679355	24.3741901	24.99996108	
6.599279573					
PC	PC	773.1050669	1086.682642	538.3920191	
541.140925					
IMPAD1	IMPAD1	4037.716917	3503.789826	2400.88912	
3030.954832					
OSGEP	OSGEP	3159.188432	3485.509184	2734.817172	
3293.983261					
LIME1	LIME1	7713.480099	8979.857868	1244.64092	
1955.272262					
HEATR2	HEATR2	1290.851187	1167.929942	762.4988131	
807.9403706					
FLVCR2	FLVCR2	620.8267961	561.6219635	724.9988715	
978.5788853					
RGS3	RGS3	1902.307013	1241.052512	1194.640998	
1460.326294					
00EP	00EP	2.342742627	2.031182508	0	0.942754225
RELN	RELN	0	0	0	
GAS1	GAS1	28.11291152	6.093547524	42.85707615	
35.82466054					
TRIM23	TRIM23	672.3671339	640.8380813	2145.532375	
981.4071479					
LRRC43	LRRC43	0	0	1.885508449	
MICAL3	MICAL3	347.8972801	313.8176975	169.6425931	
323.3646991					
JPH4	JPH4	7.028227881	15.23386881	62.49990271	
4.713771124					
KLHDC3	KLHDC3	6792.782247	6891.80225	4992.849371	
4765.622606					
APOBR	APOBR	141.7359289	148.2763231	74.99988325	
76.3630922					
TAF9B	TAF9B	5963.451357	4736.717609	3836.601171	
5711.205093					
POLR1D	POLR1D	2861.660119	3009.196886	2976.781081	
2710.418396					
PAM16	PAM16	698.1373028	707.8671041	808.9273122	
601.4771954					
MRPS23	MRPS23	2837.061321	3996.351585	3065.1738	
2925.366359					
LIG1	LIG1	8948.105464	12817.77722	5676.776878	
7029.175499					
LOC101928378	LOC101928378		1231.11125	1596.509451	
1894.639908	1561.200996				
DDX59	DDX59	1642.262581	1699.084168	1559.819001	
1663.961207					

FAM63B	FAM63B	1050.720068	1396.437974	1070.534048
1236.893543				
NDUFA2	NDUFA2	4512.122299	4176.111237	2809.817055
3073.378773				
PDZD9	PDZD9	4.685485254	10.15591254	0 1.885508449
CEACAM4	CEACAM4	1.171371313	0 20.53568232	3.771016899
CD4	CD4	22326.33723	23011.26663	9731.234852
16353.95754				
DGKH	DGKH	951.1535065	845.9875146	478.5706836
520.400332				
OLFM4	OLFM4	5.856856567	0 0	0
SLC35A1	SLC35A1	1308.421757	1732.598679	2114.282423
1787.46201				
ERICH2	ERICH2	0 2.031182508	0	0
TMPRSS3	TMPRSS3	933.5829368	957.7025526	678.5703723
656.1569404				
ANKRD28	ANKRD28	3551.597822	2707.566283	1978.568349
2361.599333				
SIRT6	SIRT6	182.7339249	81.24730032	99.99984434
79.19135488				
DOC2A	DOC2A	152.2782708	75.1537528	26.78567259
43.36669434				
ACTN4	ACTN4	3200.186428	2048.447559	726.784583
1098.308672				
PDCD1	PDCD1	3672.249068	2040.322829	1152.676777
3024.355553				
CCT6A	CCT6A	20360.77617	24864.72067	17929.43638
21355.2687				
NDUFA4	NDUFA4	16735.38196	16971.54545	11551.76773
12719.64				
RPL31	RPL31	10727.41849	10263.56521	19394.61267
15102.92268				
ACTN1	ACTN1	3987.347951	13015.81751	13547.30034
8675.224376				
PRPF4	PRPF4	4184.138332	5373.493325	5139.277714
4212.225876				
NDUFA8	NDUFA8	2731.637903	3714.017216	1748.211564
1936.417178				
ITPK1	ITPK1	3694.505123	3408.324249	1841.961419
1945.84472				
FZD3	FZD3	796.5324932	813.4885945	478.5706836
609.0192292				
RCBTB1	RCBTB1	2976.454508	2569.445873	1689.283085
2162.678191				
DDX31	DDX31	1006.207958	1184.179402	1458.9263
1238.779051				
PMFBP1	PMFBP1	2.342742627	1.015591254	0 15.0840676
CALCOC02	CALCOC02	11452.66074	6533.909186	8369.487525
9140.944963				
C5orf45	C5orf45	912.4982532	924.1880412	2110.711

1831.771459				
GOLGA8B	GOLGA8B	816.4458055	306.7085587	360.7137242
683.4968129				
EIF2AK1	EIF2AK1	14384.43973	18248.14365	10473.19798
11391.2993				
ATF7	ATF7	1593.064986	1057.230495	965.177069
1481.066887				
PABPC1L	PABPC1L	291.6714571	91.40321286	131.2497957
312.9944026				
HM13	HM13	8019.208012	12333.34019	10340.16248
9315.354494				
MKRN3	MKRN3	77.31050669	47.73278894	50.89277792
112.1877527				
NELFA	NELFA	1951.504608	2069.774976	2362.496323
2373.855138				
UPF1	UPF1	7972.353159	7735.758582	8181.237265
6749.177495				
CARD9	CARD9	63.25405093	111.7150379	47.32135491
87.6761429				
CEP164	CEP164	684.0808471	592.0897011	527.67775
562.8242722				
KIF3C	KIF3C	270.5867734	100.5435342	187.4997081
173.4667773				
CIB1	CIB1	6460.112794	8389.79935	8910.700415
7530.720747				
COX10	COX10	4573.033608	5677.15511	1944.63983
2596.345135				
CLIC2	CLIC2	11.71371313	69.06020528	102.6784116
45.25220279				
PSMB9	PSMB9	125.3367305	20.31182508	29.46423985
223.4327513				
PMCH	PMCH	728.592957	1091.760598	298.2138215
398.7850371				
GMFB	GMFB	4279.019408	3623.629594	3162.495077
4124.549733				
TJP2	TJP2	5088.436986	3905.963963	836.6058406
1686.587308				
TMEM136	TMEM136	18.74194102	17.26505132	14.28569205
21.68334717				
PPAN-P2RY11	PPAN-P2RY11		5116.549897	5931.052924
5198.206194	5207.774337			
LOH12CR2	LOH12CR2		32.79839678	25.38978135
24.99996108	26.39711829			
LTB4R	LTB4R	347.8972801	186.8687907	309.8209463
329.0212244				
SEC24A	SEC24A	4720.626393	3669.331201	2572.317424
2932.908393				
NR4A1	NR4A1	1855.452161	3009.196886	4508.921553
4469.597779				
IMPA1	IMPA1	3196.672314	2858.88938	2429.460504

2533.180602					
NCKAP1	NCKAP1	182.7339249	42.65483267	249.1067551	
358.2466054					
CCDC113	CCDC113	30.45565415	46.71719769	34.82137437	
24.51160984					
TNP02	TNP02	1169.028571	537.2477734	498.2135102	
613.7330003					
KLRC4	KLRC4	0	15.23386881	83.92844078	0
EFHD2	EFHD2	9262.032976	9702.958841	4774.099711	
6044.940089					
EMC3	EMC3	3637.107928	5215.06109	3497.315985	
3092.233857					
ZNF239	ZNF239	24.59879758	5.07795627	249.9996108	
279.0552505					
MAPK6	MAPK6	4814.336098	4748.904704	2004.461166	
2640.654583					
ZNHIT3	ZNHIT3	2865.174233	3487.540366	3307.137709	
2685.906786					
NR0B2	NR0B2	3.51411394	4.062365016	7.142846024	0
SNORD51	SNORD51	3.51411394	5.07795627	8.035701777	
0.942754225					
MIR6764	MIR6764	10.54234182	6.093547524	31.24995136	
15.0840676					
MIR6763	MIR6763	4.685485254	0	0	0
MIR6762	MIR6762	0	2.678567259	4.713771124	
MIR6761	MIR6761	0	0.892855753	0	
EHF	EHF	0	8.035701777	0	
MGST2	MGST2	986.2946459	1142.540161	259.8210241	
515.6865609					
ADAT1	ADAT1	1493.498425	1879.859411	2183.032316	
1762.007646					
DNPEP	DNPEP	3635.936557	4348.76175	5999.99066	
4954.173451					
CABYR	CABYR	10.54234182	12.18709505	111.6069691	
170.6385147					
B3GAT3	B3GAT3	2793.720583	2706.550692	2326.782092	
2574.661788					
C4orf26	C4orf26	203.8186085	178.7440607	26.78567259	
351.6473258					
SNX24	SNX24	175.705697	258.9757698	97.32127708	
183.8370738					
DESI1	DESI1	4212.251243	5363.337413	2233.032238	
3292.097753					
ARHGEF17	ARHGEF17		0	0	9.821413283
11.3130507					
ORAI3	ORAI3	1249.853191	1826.033075	891.9628973	
871.1049036					
ARRDC1	ARRDC1	2694.154021	2743.111977	2841.959862	
2902.740258					
RPS29	RPS29	8944.59135	7376.239278	11661.58899	

9803.701183					
GAGE10	GAGE10	0	1.015591254	8.035701777	0
AMOT	AMOT	16.39919839	19.29623383	46.42849916	
108.4167358					
SAMD13	SAMD13	8.199599194	5.07795627	8.92855753	
6.599279573					
ZNF213	ZNF213	841.0446031	692.6332353	653.5704112	
511.915544					
CTNNB1	CTNNB1	7497.947777	10470.74583	8734.807832	
7344.055411					
MBOAT4	MBOAT4	30.45565415	26.40537261	68.74989298	
74.47758375					
MEX3A	MEX3A	1.171371313	3.046773762	0.892855753	
2.828262674					
KIFC3	KIFC3	3.51411394	3.046773762	25.89281684	
34.88190631					
PSMA4	PSMA4	18678.68696	20812.51157	12286.58802	
14106.43146					
KRT37	KRT37	0	0	2.828262674	
SARS	SARS	9360.428166	15102.85754	22753.53601	
14844.60802					
ZBTB38	ZBTB38	2397.797079	3446.916716	4344.636094	
4694.916039					
SSBP3-AS1	SSBP3-AS1		49.19759517	18.28064257	
39.28565313	41.48118589				
IBA57-AS1	IBA57-AS1		5.856856567	1.015591254	
19.64282657	0.942754225				
SLC26A11	SLC26A11		544.6876608	366.6284427	
868.7486477	638.2446101				
SLC41A3	SLC41A3	1053.062811	1126.290701	1407.140667	
1250.092102					
ZDHHC15	ZDHHC15	22.25605496	17.26505132	57.14276819	
40.53843166					
FOXO6	FOXO6	1.171371313	0	2.678567259	0
LOC101929057	LOC101929057		206.1613512	190.9311558	
199.1068329	181.9515654				
BCAP31	BCAP31	8089.490291	11950.46229	10040.16294	
8036.979766					
PRSS21	PRSS21	67.93953618	534.2009996	260.7138799	
88.61889712					
F2RL2	F2RL2	81.99599194	36.56128515	30.3570956	
37.71016899					
E2F2	E2F2	7319.899338	4592.503651	738.3917078	
1077.568079					
WDR4	WDR4	1377.532665	2050.478742	1137.498229	
1174.671764					
ARHGEF40	ARHGEF40		5.856856567	6.093547524	
16.96425931	20.74059294				
BCKDHB	BCKDHB	1138.572917	1266.442294	843.7486866	
884.3034628					

NRP2	NRP2	78.481878	229.5236234	75.89273901		
60.33627038						
RNF6	RNF6	6344.147034	6757.744204	6894.632125		
7175.302404						
DNAJC12	DNAJC12	48.02622385	219.3677109	110.7141134		
44.30944856						
DEPDC4	DEPDC4	72.62502143	34.53010264	29.46423985		
83.905126						
NXPE1	NXPE1	0	0	1.785711506	6.599279573	
TCTEX1D2	TCTEX1D2			762.5627251	746.4595717	
377.6779835	472.3198666					
C19orf26	C19orf26		1.171371313	0	2.678567259	
0						
FAM69A	FAM69A	3045.565415	4300.01337	3180.352192		
2716.074921						
ENTPD5	ENTPD5	514.2320066	524.0450871	454.4635783		
411.9835962						
SPATA25	SPATA25	0	4.062365016	6.249990271	13.19855915	
CRTC1	CRTC1	32.79839678	32.49892013	63.39275847		
65.99279573						
ZNF717	ZNF717	60.9113083	70.07579653	99.10698859		
173.4667773						
CAMKK2	CAMKK2	3361.83567	3091.459777	2085.711039		
2277.694207						
STAM2	STAM2	1345.905639	1450.264311	1833.032861		
1390.562481						
BAGE3	BAGE3	0	0	0.942754225		
SERPINI2	SERPINI2			1.015591254	0	0
ADCY3	ADCY3	3512.942569	3508.867783	1624.997471		
2252.239843						
TOP3B	TOP3B	2045.214313	1915.405105	1948.211253		
2213.58692						
FUBP3	FUBP3	3646.478899	3736.360224	3642.851472		
3389.201438						
FBXW2	FBXW2	4625.745317	3895.808051	3352.673353		
3199.707839						
RBMS2	RBMS2	125.3367305	86.32525659	91.07128681		
134.8138541						
TRAM2	TRAM2	462.6916688	639.8224901	1043.748375		
742.8903291						
TFF1	TFF1	0	1.015591254	0	0	
TDG	TDG	3576.19662	3454.025855	1958.925522		
2382.339926						
NEK4	NEK4	1575.494417	1694.006212	1983.925483		
1764.835909						
COCH	COCH	65.59679355	82.26289158	6.249990271		
38.65292321						
TIMM8A	TIMM8A	741.4780414	895.7514861	712.4988909		
703.2946516						
CEP68	CEP68	1607.121442	2104.305078	4061.600821		

2498.298695					
KIF18A	KIF18A	2026.472372	1719.395993	562.4991244	
1452.78426					
CABLES2	CABLES2	2029.986486	2590.773289	1166.069613	
1216.15295					
ABHD17A	ABHD17A	5527.701228	6171.748051	3651.78003	
4152.83236					
GALNT14	GALNT14	19.91331233	6.093547524	0	26.39711829
ANKRD36BP1	ANKRD36BP1		242.4738619	44.68601518	
58.03562395	81.07686333				
SERINC4	SERINC4	576.3146862	774.8961268	1269.640881	
1207.668162					
HIST1H2BB	HIST1H2BB		117.1371313	51.79515396	
17.85711506	39.59567744				
CCNC	CCNC	4715.940908	4701.171915	3313.387699	
3868.120584					
ZNF507	ZNF507	1166.685828	795.2079519	1359.819312	
1702.61413					
ZFP30	ZFP30	233.1028914	200.071477	485.7135296	
358.2466054					
UBE2S	UBE2S	12079.18098	19378.49672	6656.239639	
7019.747957					
MDH2	MDH2	14779.19186	23813.58373	12486.58771	
12740.38059					
RAB30	RAB30	376.0101916	327.0203838	597.3204988	
651.4431693					
RBMS3	RBMS3	37.48388203	41.63924142	30.3570956	
39.59567744					
TIMM22	TIMM22	2111.982478	3215.36191	2880.352659	
2355.942808					
FGF13	FGF13	0	4.464278765	0	
CTC-360P9.3	CTC-360P9.3		0	0	0.942754225
PYGL	PYGL	5.856856567	10.15591254	0	8.484788022
FUT3	FUT3	0	0.892855753	0	
RABEPK	RABEPK	1810.940051	2426.247506	2062.49679	
1794.06129					
CBWD1	CBWD1	1300.222158	1591.431495	1296.426553	
1531.975615					
MKLN1	MKLN1	3696.847865	3183.878581	4035.708004	
4611.953667					
KDM8	KDM8	631.369138	588.0273361	358.035157	
461.0068159					
HSPA4L	HSPA4L	28.11291152	77.18493531	133.928363	
19.79783872					
ACP1	ACP1	7251.959802	8252.69453	8196.415813	
7447.758375					
TUFT1	TUFT1	308.0706554	375.768764	841.0701194	
514.7438067					
ZNF77	ZNF77	261.2158029	135.0736368	376.7851278	
606.1909665					

PHF20L1	PHF20L1	3761.273288	3754.640866	4072.31509	
3838.895203					
LOC101929231	LOC101929231	514.2849137	692.2804463	935.359545	
485.5184257					
LOC101928371	LOC101928371	805.3558892	713.3651299	711.9294691	
736.2910495					
LOC101928222	LOC101928222	4.713771124	5.856856567	0	2.678567259
LOC101927492	LOC101927492	779.4630724	687.594961	1040.981035	
735.3482953					
LOC101927482	LOC101927482	832.1415618	640.7401085	1057.230495	
694.8098636					
LOC101927431	LOC101927431		0	3.571423012	0
ELMOD2	ELMOD2	1213.540681	1027.778349	1205.355267	
1392.44799					
TMEM219	TMEM219	2742.180245	3163.566756	3168.745068	
3122.401992					
CEP162	CEP162	548.2017747	353.4257564	1016.069847	
694.8098636					
NPLOC4	NPLOC4	13334.89103	18223.76946	11463.37501	
10954.80409					
CCNJL	CCNJL	0	4.062365016	0	0
MS4A7	MS4A7	0	0	4.713771124	
PRDM15	PRDM15	852.7583162	608.3391612	577.6776722	
710.8366854					
GNG3	GNG3	171.0202118	187.884382	235.7139188	
197.9783872					
NAT6	NAT6	515.4033779	539.2789559	591.9633643	
559.9960095					
JAKMIP2	JAKMIP2	127.6794732	101.5591254	21.42853807	
131.0428372					
COPZ2	COPZ2	121.8226166	121.8709505	111.6069691	
75.42033798					
SENP6	SENP6	3945.178584	3531.21079	4557.135763	
5008.853196					
ISCU	ISCU	5997.421125	6635.873254	13199.0866	
8827.95056					
STX17	STX17	1553.238362	1487.841187	2384.817716	
2717.96043					
RNF34	RNF34	8088.318919	10604.80387	7670.523774	
7930.448538					
FAM169A	FAM169A	809.4175776	670.2902277	1034.819818	
1323.626932					
LTN1	LTN1	3611.337759	2687.254458	2539.281762	
2610.486448					
LOC283856	LOC283856		0	9.821413283	
2.828262674					
RCOR3	RCOR3	1928.077182	1699.084168	2124.103836	
2128.739039					
P4HA1	P4HA1	1741.829143	1684.86589	2226.782248	

2235.270267				
KIAA0430	KIAA0430	2578.188261	1445.186355	
2445.531908	2246.583317			
SLC52A2	SLC52A2	3742.531347	6397.209309	3666.958578
3053.580934				
STXBP2	STXBP2	6109.872771	6093.547524	4197.314895
4825.958876				
MYRF	MYRF	57.39719436	50.7795627	33.92851862
103.7029647				
YIF1A	YIF1A	3060.793242	4105.019849	3497.315985
2841.461233				
ZCWPW2	ZCWPW2	5.856856567	13.2026863	66.07132572
31.11088942				
PRKAR1A	PRKAR1A	23141.61167	23127.04404	19639.25514
23846.02536				
LOC101929441	LOC101929441	0	3.046773762	74.1070275
40.53843166				
NSL1	NSL1	3473.115944	3120.911924	2971.423946
3458.022496				
GSK3A	GSK3A	2338.057142	1195.350906	1005.355578
919.1853691				
GMNN	GMNN	5583.927051	6125.030853	2360.710611
3056.409197				
TRIM24	TRIM24	1917.53484	1794.549746	2078.568193
1914.73383				
MCM5	MCM5	26428.47957	35765.0616	11892.83863
15046.35743				
C11orf52	C11orf52	0	3.046773762	3.571423012
4.713771124				
ZNF689	ZNF689	1712.54486	2022.042187	2576.781703
1857.225823				
FPGT-TNNI3K	FPGT-TNNI3K	156.963756	160.4634181	
140.1783532	192.3218618			
MOCOS	MOCOS	0	7.109138778	4.464278765
KIF1C	KIF1C	1786.341253	1411.671843	13.19855915
1762.9504				
SND1	SND1	12831.20137	18412.66944	14119.62088
13803.80736				
PELP1	PELP1	1372.847179	519.9827221	501.7849332
631.6453306				
CCSAP	CCSAP	838.7018604	477.3278894	771.4273706
964.4375719				
LRR3C	LRR3C	1.171371313	0	4.464278765
CHMP5	CHMP5	5315.68302	5615.204044	0
5702.720305				6690.168157
SLC35B1	SLC35B1	3854.982993	4945.929407	2564.281723
2838.632971				
CENPH	CENPH	1460.700028	1470.576136	1037.498385
1375.478414				
CCDC14	CCDC14	1142.087031	657.0875414	800.8916105

892.7882508					
CAPNS1	CAPNS1	4737.025592	1464.482588	862.4986574	
1172.786256					
CAPN2	CAPN2	21246.33288	23791.24072	8712.486438	
10686.11914					
RAPGEF4	RAPGEF4	4.685485254	3.046773762	24.99996108	
9.427542247					
EPHX3	EPHX3	0	1.015591254	0	
COMMD7	COMMD7	3979.148352	5678.170701	3120.530857	
3075.264281					
NT5C3B	NT5C3B	1289.679816	3382.934467	2575.888847	
1680.930783					
AKTIP	AKTIP	2972.940394	2957.401732	2822.317035	
2804.693819					
MINOS1-NBL1	MINOS1-NBL1		1887.079186	2048.447559	
2092.853885		1721.469214			
AK4	AK4	682.9094757	663.1810889	963.3913575	
1169.015239					
MAFB	MAFB	33.96976809	37.5768764	13.3928363	
8.484788022					
ZNF263	ZNF263	2452.85153	2905.606578	5465.170064	
3636.203045					
DNAL4	DNAL4	380.6956769	467.1719769	494.6420872	
358.2466054					
SPRY4	SPRY4	0	5.07795627	1.785711506	0
PTPN3	PTPN3	673.5385052	344.2854351	20.53568232	
402.556054					
SMTNL1	SMTNL1	44.51210991	51.79515396	336.6066189	
218.7189801					
MAP3K9	MAP3K9	297.5283136	375.768764	375.892272	
204.5776668					
MIR503HG	MIR503HG		8.199599194	1.015591254	0
2.828262674					
ZCCHC18	ZCCHC18	40.99799597	33.51451138	192.8568427	
144.2413964					
CD24	CD24	5.856856567	9.140321286	0	0
CDKN2A	CDKN2A	1101.089035	5192.718082	532.1420288	
334.6777498					
CDK4	CDK4	9340.514854	10847.53018	9115.164383	
9827.270038					
CD40LG	CD40LG	5540.586313	10448.40282	5374.098777	
5724.403652					
SLC30A7	SLC30A7	3350.121956	2553.196413	3482.137437	
3103.546908					
PRICKLE1	PRICKLE1		36.31251072	88.3564391	0
0					
MGRN1	MGRN1	1485.298825	619.510665	472.3206934	
613.7330003					
C21orf58	C21orf58		715.7078725	500.6864882	
292.856687		279.9980047			

ZBTB21	ZBTB21	931.2401942	598.1832486	1967.85408
1614.937987				
TFAP2D	TFAP2D	1.171371313	0	0.942754225
KREMEN2	KREMEN2	96.0524477	49.76397145	21.42853807
45.25220279				
ACAN	ACAN	2.342742627	12.18709505	8.92855753
25.45436407				
TTC24	TTC24	189.7621528	43.67042392	65.17846997
134.8138541				
VDAC3	VDAC3	18549.83612	28371.55727	12525.87336
12038.0287				
HHIPL1	HHIPL1	0	10.71426904	1.885508449
ELK1	ELK1	2916.714571	1895.09328	1473.211993
1746.923578				
HGC6.3	HGC6.3	0	2.678567259	0
FAM196B	FAM196B	14.05645576	11.17150379	8.035701777
13.19855915				
LRRC69	LRRC69	36.31251072	19.29623383	41.96422039
63.16453306				
DCT	DCT	5.856856567	1.015591254	16.96425931
13.19855915				
CYHR1	CYHR1	800.0466071	1167.929942	1490.176252
1171.843501				
DHRS2	DHRS2	9.370970508	136.089228	826.7844273
0.942754225				
INPPL1	INPPL1	2479.793071	753.5687105	815.1773025
984.2354106				
PPP5C	PPP5C	5428.134667	6499.784026	3776.779835
4015.190243				
LRRC37A	LRRC37A	48.02622385	24.3741901	67.85703723
97.10368515				
CCDC96	CCDC96	57.39719436	74.13816155	68.74989298
65.05004151				
LNx2	LNx2	1010.893444	1015.591254	949.9985212
935.2121909				
OSBPL5	OSBPL5	139.3931863	10.15591254	200.8925444
138.584871				
PRPSAP2	PRPSAP2	1643.433953	1943.84166	1748.211564
1557.429979				
UBXN8	UBXN8	305.7279128	430.6106917	188.3925639
204.5776668				
SLC25A14	SLC25A14		621.9981674	629.6665775
507.1420677	431.7814349			
N4BP2L2	N4BP2L2	4751.082047	3475.353271	7766.05934
8445.192345				
KCNMB4	KCNMB4	49.19759517	25.38978135	140.1783532
48.08046546				
PRPF38A	PRPF38A	7407.752186	8439.563321	7066.953285
6693.554995				
CADM4	CADM4	4.685485254	0	4.464278765
				6.599279573

C10orf35	C10orf35	158.1351273	287.4123249
983.9270398	627.8743137		
HIST2H4B	HIST2H4B	0	0
0.942754225			1.785711506
MICALL2	MICALL2	12.88508445	17.26505132
93.33266825			61.60704696
MBP	MBP	8825.111476	4908.352531
9619.864109			7316.952896
PLEKHH3	PLEKHH3	30.45565415	86.32525659
12.25580492			34.82137437
PPP1R14B	PPP1R14B		3817.499111
5014.277909	3731.421221		6757.744204
ZNF606	ZNF606	392.40939	290.4590987
701.4091432			746.4274095
PLCXD3	PLCXD3	0	0
ANKRD34A	ANKRD34A		3.571423012
84.82129654	98.04643937		62.08267961
MECP2	MECP2	1480.61334	1117.150379
1263.290661			1643.747441
HIF1A	HIF1A	15182.14359	11200.95594
25101.77399			16709.79542
TSPAN4	TSPAN4	427.5505294	490.5305757
224.3755055			162.4997471
CLLU10S	CLLU10S	0	0
CHI3L2	CHI3L2	219.0464356	198.0402945
435.5524518			4.713771124
VMAC	VMAC	241.3024906	176.7128782
252.6581322			251.7853224
RASSF5	RASSF5	29695.43417	39133.77779
27679.26404			23567.82046
CREM	CREM	4909.217175	8893.532612
6831.197112			6376.775788
FILIP1L	FILIP1L	119.479874	321.9424275
74.47758375			8.035701777
TMEM191B	TMEM191B		3.51411394
19.64282657	4.713771124		9.140321286
FAM131C	FAM131C	19.91331233	18.28064257
14.14131337			142.8569205
WASH1	WASH1	248.3307185	115.777403
152.7261844			141.9640647
STRA8	STRA8	2.342742627	0
ZFP2	ZFP2	0	0
PPFIBP2	PPFIBP2	131.1935871	358.5037127
516.6293151			1908.9256
TMEM204	TMEM204	2783.178241	3054.898492
2309.747851			2533.031771
APOL4	APOL4	50.36896648	359.5193039
11.3130507			56.24991244
MIR4678	MIR4678	0	0
MIR4677	MIR4677	1.171371313	2.031182508
			1.885508449
			2.678567259

0.942754225				
MIR4676	MIR4676	0	0	0.892855753
0				0
WNK2	WNK2	4.685485254		1.015591254
0				0
HIST1H1E	HIST1H1E			2293.545032
1576.78326		781.5432523		1580.259991
ZNF232	ZNF232	554.0586313		601.2300224
1114.335494				1215.17668
CNOT3	CNOT3	1576.665788		858.1746097
855.0780818				818.7487255
DECR1	DECR1	6376.94543		6214.402884
4117.950454				2453.567609
DHX15	DHX15	16412.08347		16476.95251
14153.56918				12438.3735
TNFSF14	TNFSF14	1197.141482		1327.377769
2491.699416				2124.996692
MRPL36	MRPL36	2435.280961		2714.675422
1999.581711				1987.496906
MRPL38	MRPL38	4484.009388		6317.993191
3814.383593				4683.92128
CEP192	CEP192	2306.430116		1287.76971
1405.646549				1299.997976
TRIM13	TRIM13	1219.397537		889.6579385
1597.025657				1552.676155
ZNF773	ZNF773	502.5182935		599.1988399
1021.94558				817.8558698
TMEM205	TMEM205	1126.859204		1612.758911
1395.276253				1639.283163
HSD11B1L	HSD11B1L			63.25405093
129.4640842		78.24860065		72.10697904
ATP9B	ATP9B	1199.484225		1176.054672
1470.696591				1813.390034
ARID3A	ARID3A	261.2158029		238.6639447
99.93194782				59.82133545
LRP2BP	LRP2BP	49.19759517		25.38978135
59.39351616				78.57130627
TMEM184B	TMEM184B			3407.519151
2502.674676		3167.654195		3662.222062
TTL1	TTL1	365.4678498		461.0784293
367.6741476				348.2137437
PMPCB	PMPCB	5740.890807		5780.745418
5437.806368				4724.992645
PAXBP1	PAXBP1	2324.000686		1796.580928
2545.436407				2809.817055
TMEM171	TMEM171	0	0	11.60712479
0				13.19855915
CDC45	CDC45	6435.513996		7406.707016
4068.927234				3166.0665
CPT2	CPT2	2538.361636		3545.429068
2715.132167				2360.710611
DDB2	DDB2	6481.197477		9166.726659
5213.430863				7516.952585

ADCY1	ADCY1	105.4234182	23.35859884	61.60704696
68.8210584				
ATG4D	ATG4D	1488.812939	1783.378242	2283.032161
1513.120531				
EPHA5	EPHA5	0	5.357134518	1.885508449
PHB	PHB	9523.248778	16354.06596	9677.663507
9529.359703				
PDE6B	PDE6B	174.5343257	132.026863	407.1422234
498.7169849				
PIK3CD	PIK3CD	28705.62541	25827.50118	18456.22127
18638.25102				
PAPSS2	PAPSS2	66.76816487	60.93547524	21.42853807
228.1465224				
DDX19B	DDX19B	2704.696363	3821.669889	2448.210475
2278.636961				
SUGP2	SUGP2	3683.962781	2049.463151	2595.531674
2335.202215				
EIF6	EIF6	7538.945773	12138.34667	8663.379372
7456.243163				
RSBN1L	RSBN1L	1472.413741	1564.010531	1485.711973
1513.120531				
MIR21	MIR21	32.79839678	8.124730032	26.78567259
31.11088942				
BACH1-IT2	BACH1-IT2	0	0	0
SPATC1	SPATC1	4.685485254	4.062365016	21.42853807
14.14131337				
PIGA	PIGA	1087.032579	854.1122447	1050.891221
1212.381933				
MYRIP	MYRIP	1.171371313	2.031182508	5.357134518
9.427542247				
C16orf93	C16orf93		65.59679355	68.04461402
43.7499319	53.73699081			
DNAJA4	DNAJA4	2254.889778	1490.887961	1316.962236
1856.283068				
SPNS2	SPNS2	805.9034637	831.7692371	776.7845051
774.0012185				
LEMD3	LEMD3	3162.702546	2853.811424	3781.244114
3551.355165				
NDRG2	NDRG2	62.08267961	120.8553592	1054.462644
710.8366854				
TMBIM4	TMBIM4	7630.312736	5886.366908	5249.098972
7409.105452				
IFT80	IFT80	1082.347094	609.3547524	679.4632281
613.7330003				
ENDOU	ENDOU	10.54234182	14.21827756	29.46423985
0.942754225				
TRAPPC9	TRAPPC9	1276.794732	1054.183722	1279.462294
910.7005811				
LILRB1	LILRB1	0	43.7499319	11.3130507
ZSWIM7	ZSWIM7	494.3186943	516.9359483	1077.676894

715.5504566					
TCN2	TCN2	125.3367305	156.4010531	158.928324	
29.22538097					
GOLT1A	GOLT1A	0	0	1.785711506	9.427542247
NRN1L	NRN1L	19.91331233	2.031182508	28.5713841	
25.45436407					
DERL3	DERL3	265.9012882	371.706399	284.8209852	
181.9515654					
KBTBD3	KBTBD3	590.371142	665.2122714	866.9629362	
743.8330833					
TFAM	TFAM	3379.406239	3336.21727	2630.353048	
3887.918423					
PITPNM1	PITPNM1	9226.891836	7380.301643	3452.673197	
5416.123021					
SP4	SP4	2147.123618	1618.852459	1449.104887	
1489.551675					
GAPVD1	GAPVD1	6598.334609	6584.0781	6231.2403	
6042.111826					
F2RL3	F2RL3	208.5040938	294.5214637	26.78567259	
12.25580492					
BCL2L2	BCL2L2	11.71371313	8.124730032	9.821413283	
9.427542247					
B2M	B2M	462073.1848	445770.4224	787339.8458	
659240.6895					
MTMR7	MTMR7	84.33873457	47.73278894	157.1426125	
108.4167358					
HNRNPA2B1	HNRNPA2B1		85747.89426	79032.2958	
54696.34343	65511.04832				
SLC38A9	SLC38A9	1397.445977	1391.360018	990.1770301	
1296.287059					
AGAP1	AGAP1	4.685485254	2.031182508	33.03566286	
26.39711829					
ZNF501	ZNF501	72.62502143	124.9177242	308.9280905	
240.4023273					
ACTN2	ACTN2	4.685485254	3.046773762	3.571423012	
4.713771124					
RYR2	RYR2	0	7.109138778	26.78567259	26.39711829
MCTP1	MCTP1	23.42742627	8.124730032	4.464278765	
39.59567744					
CCDC159	CCDC159	231.9315201	273.1940473	411.6065021	
532.656137					
C11orf57	C11orf57		954.6676205	941.4530925	
937.4985407	909.7578268				
TMEM8B	TMEM8B	72.62502143	62.96665775	213.392525	
155.5544471					
WDR33	WDR33	7349.183621	5818.322294	6051.776294	
6585.13826					
RBM12	RBM12	8320.25044	7303.116708	6281.240223	
7449.643884					
SELP	SELP	63.25405093	179.759652	115.1783921	

240.4023273					
SASH1	SASH1	126.5081019	173.6661044	61.60704696	
60.33627038					
CTC1	CTC1	2844.089549	2730.924882	5316.956009	
4427.173839					
SPTBN4	SPTBN4	7.028227881	10.15591254	11.60712479	
14.14131337					
DTX1	DTX1	0	3.046773762	103.5712674	131.0428372
ARHGAP35	ARHGAP35		2025.301001	869.3461135	
830.3558503		971.9796057			
UTP14A	UTP14A	1782.827139	2257.659358	1768.747247	
2165.506454					
RCAN1	RCAN1	1653.976295	1793.534155	1654.46171	
1639.449597					
DMPK	DMPK	49.19759517	64.99784026	43.7499319	
44.30944856					
STARD10	STARD10	644.2542224	801.3014994	1011.605568	
856.9635903					
UBN2	UBN2	274.1008873	196.009112	283.0352737	
344.105292					
ZDHHC23	ZDHHC23	51.54033779	76.16934405	316.0709366	
239.4595731					
KLHL2	KLHL2	2697.668135	4416.806364	2813.388478	
2859.373564					
IL18R1	IL18R1	2164.694187	2193.677109	2095.532452	
2122.13976					
CLCN4	CLCN4	7.028227881	30.46773762	0	0
FAM189B	FAM189B	235.445634	77.18493531	123.2140939	
107.4739816					
P2RX1	P2RX1	0	5.07795627	35.71423012	2.828262674
OSBP	OSBP	5631.953275	5933.084106	8924.986107	
7354.425707					
CPNE4	CPNE4	7.028227881	1.015591254	0	0.942754225
PRKAG1	PRKAG1	3903.009216	4619.924615	3074.995213	
2869.74386					
ME3	ME3	66.76816487	105.6214904	44.64278765	
128.2145746					
HCG18	HCG18	23.42742627	136.089228	166.0711701	
35.82466054					
CHRD2	CHRD2	0	0	0.942754225	
PCIF1	PCIF1	4166.567762	5460.834173	6319.63302	
5377.470098					
NSFP1	NSFP1	135.8790724	198.0402945	198.2139772	
186.6653365					
TAF6	TAF6	4878.761521	4658.517082	3605.351531	
4287.646214					
PLXNB2	PLXNB2	547.0304034	560.6063722	561.6062687	
419.52563					
HTR4	HTR4	0	0	7.142846024	0
PPTC7	PPTC7	2454.022902	1711.271263	2030.353982	

2205.102132						
RHOXF1	RHOXF1	0	3.046773762	9.821413283	0	
DCUN1D5	DCUN1D5	2937.799254	3415.433387	2115.175279		
2423.821112						
C9orf64	C9orf64	1786.341253	2092.117983	1471.426281		
1531.975615						
GARNL3	GARNL3	10.54234182	9.140321286	27.67852834		
8.484788022						
AKAP13	AKAP13	13970.94566	8270.975173	11415.1608		
14630.60281						
MAGI3	MAGI3	435.7501286	411.3144579	429.4636172		
450.6365194						
CHST13	CHST13	3.51411394	4.062365016	0	0	
COL22A1	COL22A1	2.342742627	0	7.142846024	0	
OXER1	OXER1	0	3.046773762	13.3928363	3.771016899	
TCTN1	TCTN1	448.6352131	343.2698439	353.5708782		
363.9031307						
ANTXRLP1	ANTXRLP1		148.7641568	147.2607318		
136.6069302						
LOC101928790	LOC101928790		0	0	0	0.942754225
ADAMTS8	ADAMTS8	5.856856567	2.031182508	16.96425931	0	
SNX1	SNX1	7030.570623	8700.570273	6683.918167		
7284.661894						
LEMD1-AS1	LEMD1-AS1		0	0	0	0.942754225
LINC01220	LINC01220		1.171371313	1.015591254	0	
0						
LOC100507346	LOC100507346		9.370970508	6.093547524		
73.21417175						
LINC01281	LINC01281		296.3569423	462.0940206		
645.5347094						
COA1	COA1	2059.270769	2148.991094	1899.997042		
1890.222221						
ATP12A	ATP12A	8.199599194	39.60805891	48.21421066	0	
BCAS1	BCAS1	15.22782708	16.24946006	53.57134518		
42.42394011						
CST7	CST7	2300.57326	1716.349219	770.5345149		
1173.72901						
C2orf40	C2orf40	1.171371313	0	13.3928363	4.713771124	
BAZ1B	BAZ1B	7448.750182	6380.959849	6059.811996		
6680.356436						
KIAA1683	KIAA1683		3.51411394	0	27.67852834	
11.3130507						
TTYH3	TTYH3	1106.945891	460.0628381	251.7853224		
411.9835962						
TMPRSS11B	TMPRSS11B		2.342742627	0	0	0
WDR61	WDR61	3828.041452	4903.274575	3632.137203		
3672.970459						
LRRC8A	LRRC8A	9557.218547	14425.45817	4499.10014		
4200.912825						
GGT5	GGT5	0	0	11.60712479	0	

CWF19L2	CWF19L2	488.4618377	346.3166176	883.0343397
915.4143522				
TNS1	TNS1	3.51411394	56.87311023	86.60700804
44.30944856				
VPS16	VPS16	3976.805609	4898.196618	3023.20958
3235.532499				
GIGYF1	GIGYF1	438.0928712	109.6838554	399.9993774
326.1929618				
RAP1A	RAP1A	4997.070023	3726.204311	3116.066578
4803.332775				
H00K2	H00K2	151.1068994	63.98224901	233.9282073
196.0928787				
LEPREL1	LEPREL1	0	0	2.828262674
FCER2	FCER2	0	88.3564391	8.035701777
PRKDC	PRKDC	12928.42519	8415.189131	4542.850071
6056.25314				
MAD2L1BP	MAD2L1BP		2862.83149	3933.384927
3550.88733	2851.83153			
PEG3	PEG3	0	0	2.678567259
SLC26A4	SLC26A4	92.53833376	241.7107185	0.942754225
35.82466054				63.39275847
ITGA6	ITGA6	1233.453993	639.8224901	2193.746585
1907.191797				
CCDC169-SOHLH2	CCDC169-SOHLH2		12.88508445	0
4.713771124				0
TIMP1	TIMP1	1670.375493	2379.530308	808.0344565
1995.810694				
TIAM1	TIAM1	3723.789405	3340.279635	4798.206817
5422.722301				
HLTF	HLTF	1656.319037	1419.796573	1533.926184
1751.63735				
RPL22	RPL22	2601.615687	2418.122776	2660.710144
2457.760264				
EIF2S2	EIF2S2	3961.577782	4717.421375	3678.565702
4097.209861				
FZD2	FZD2	0	1.015591254	0
CHURC1-FNTB	CHURC1-FNTB		4209.908501	4382.276261
5059.813552	5273.767133			
PSMA6	PSMA6	19106.23749	24334.58204	19141.93449
17738.86349				
PSMA1	PSMA1	20291.66526	22935.09729	14016.94247
15773.22093				
MAP7D2	MAP7D2	58.56856567	42.65483267	35.71423012
28.28262674				
RASIP1	RASIP1	37.48388203	3.046773762	10.71426904
24.51160984				
LAT2	LAT2	621.9981674	917.0789024	345.5351764
370.5024103				
GEMIN6	GEMIN6	1314.278614	1509.168604	1144.641075
1066.255028				

TBP	TBP	2217.405896	2390.701812	2540.174617
2407.79429				
NPL	NPL	395.9235039	687.555279	544.6420093
579.7938482				
GRAMD1A	GRAMD1A	2298.230517	2328.750746	3261.602066
2326.717427				
NEK11	NEK11	33.96976809	53.82633646	80.35701777
82.01961755				
GPN1	GPN1	5336.767704	6440.879733	4537.492937
4397.005704				
IFI44L	IFI44L	1033.149498	519.9827221	10316.94823
7233.753166				
ROM1	ROM1	112.4516461	81.24730032	185.7139966
121.615295				
FBXL13	FBXL13	11.71371313	8.124730032	49.99992217
25.45436407				
NDC1	NDC1	5075.551901	5335.916449	3210.709288
3877.548126				
CDKN2C	CDKN2C	2581.702375	3663.237653	1295.533698
1251.97761				
KAT6A	KAT6A	3241.184424	2010.870683	3951.779563
3475.934827				
NFIB	NFIB	0	1.785711506	0
		0		
RND1	RND1	185.0766675	259.991361	356.2494455
141.4131337				
SUPT20H	SUPT20H	6014.991695	5048.504124	4916.063776
5286.965692				
ZFAND4	ZFAND4	928.8974516	941.4530925	1528.569049
1157.702188				
LRP10	LRP10	9331.143883	7183.27694	8357.129848
7919.135488				
FAM172A	FAM172A	1024.949899	892.7047123	862.4986574
1518.777056				
BARD1	BARD1	2977.625879	2512.572763	1175.891027
1845.912772				
HOXA7	HOXA7	3.51411394	0	0
			0	
FAM134A	FAM134A	3731.989005	2910.684534	4171.422078
3216.677415				
TMEM248	TMEM248	9401.426162	10430.12218	10486.59082
9658.517032				
SNORA2B	SNORA2B	23.42742627	9.140321286	14.28569205
18.85508449				
SNORA6	SNORA6	42.16936728	13.2026863	25.89281684
32.05364364				
SHF	SHF	383.0384195	344.2854351	642.8561422
589.2213904				
TPCN1	TPCN1	1167.8572	927.2348149	1766.068679
2074.059294				
GPR87	GPR87	8.199599194	1.015591254	20.53568232
13.19855915				

GRHL3	GRHL3	1.171371313	7.109138778	0.892855753	
1.885508449					
IL37	IL37	0	1.015591254	0	0
HRASLS	HRASLS	0	1.015591254	0	0
PFKL	PFKL	17704.10603	18218.69151	7782.130743	
10663.49304					
SPPL2B	SPPL2B	1167.8572	772.8649443	732.1417175	
967.2658346					
LZIC	LZIC	1044.863212	1304.01917	1065.176913	
1137.904349					
KTI12	KTI12	1673.889607	2401.873316	2797.317074	
1957.157771					
PHF21B	PHF21B	1.171371313	1.015591254	0	0
CNBD2	CNBD2	3.51411394	1.015591254	1.785711506	0
SMEK2	SMEK2	10069.10781	9125.087418	10599.9835	
10665.37854					
GLIPR1L1	GLIPR1L1		5.856856567	2.031182508	
6.249990271	9.427542247				
HERC1	HERC1	2722.266932	1753.926096	5406.241585	
4510.136211					
C1R	C1R	357.2682506	263.0381348	104.4641231	
71.64932108					
TEX21P	TEX21P	10.54234182	8.124730032	8.92855753	
2.828262674					
MIR3960	MIR3960	7.028227881	2.031182508	0	4.713771124
GADD45A	GADD45A	1338.877411	2319.610424	2593.745963	
1171.843501					
CHTOP	CHTOP	5211.430974	6408.380813	6293.740203	
5566.020943					
LARP1B	LARP1B	597.3993699	506.7800358	801.7844662	
680.6685502					
RFK	RFK	2348.599483	2909.668943	2108.032433	
2185.304293					
SYN1	SYN1	67.93953618	73.12257029	81.24987353	
52.79423658					
TRAF2	TRAF2	5450.390722	6973.04955	5823.205221	
5154.037347					
PDK3	PDK3	4117.370167	3248.876422	3712.494221	
4736.397225					
SCOC-AS1	SCOC-AS1		39.82662466	78.20052656	
105.3569789	88.61889712				
LOC100132077	LOC100132077		26.94154021	18.28064257	0
	8.484788022				
PIGY	PIGY	5466.78992	8025.20209	10278.55543	
7464.727951					
LOC101927055	LOC101927055		7.028227881	3.046773762	0
	3.771016899				
ZNF79	ZNF79	865.6434006	1021.684802	1767.854391	
1030.430368					
PPP3CA	PPP3CA	743.820784	312.8021062	253.5710339	

463.8350786				
AFMID AFMID	204.9899799	287.4123249	114.2855364	
175.3522858				
SUV420H2	SUV420H2	345.5545375	236.6327622	
144.642632	165.9247436			
EMID1 EMID1	0 5.07795627	0	0	
TRIM65 TRIM65	1993.673976	1677.756752	1899.997042	
1590.426377				
S100PBP S100PBP	2285.345433	1839.235761	951.7842327	
1326.455194				
HIST1H2AH	HIST1H2AH	237.7883766	308.7397412	
66.07132572	107.4739816			
B3GALT6 B3GALT6	1504.040766	2229.222803	2803.567065	
2393.652977				
ZSWIM1 ZSWIM1	662.9961634	552.4816422	1023.212693	
1184.099306				
C1orf174	C1orf174	2024.12963	2256.643767	
2474.103292	2612.371957			
HIST2H2AB	HIST2H2AB	8.199599194	6.093547524	
3.571423012	12.25580492			
SLC51A SLC51A	14.05645576	17.26505132	7.142846024	
11.3130507				
STARD4 STARD4	1430.244374	1754.941687	1057.141212	
1388.676973				
SNX29 SNX29	2138.924018	603.2612049	554.4634226	
604.305458				
PLXNA4 PLXNA4	0 6.093547524	122.3212382	33.93915209	
LTC4S LTC4S	1.171371313	0 8.92855753	5.656525348	
NFKBID NFKBID	2067.470368	1366.985828	1968.746935	
1949.615737				
HOPX HOPX	2858.146005	532.1698171	702.6774776	
1596.082902				
HFE HFE	63.25405093	72.10697904	174.1068718	
143.2986422				
EFNA1 EFNA1	11.71371313	4.062365016	250.8924666	
176.29504				
UBE2D3 UBE2D3	36061.83726	38731.60366	37253.51344	
38693.46165				
UBE2E1 UBE2E1	484.9477238	153.3542794	202.6782559	
247.0016069				
C2orf44 C2orf44	1301.393529	1483.778822	1333.926495	
1195.412357				
APIP APIP	1395.103234	1284.722936	1062.498346	
1476.353116				
ADAMTS13	ADAMTS13	8.199599194	22.34300759	
92.85699832	63.16453306			
GAS2L2 GAS2L2	7.028227881	0 0	0	
RASSF2 RASSF2	13263.43738	8719.866507	2689.281528	
5131.411245				
FAM45A FAM45A	3370.035269	4221.812843	1551.783299	

1983.554889				
NKD2 NKD2	313.927512	829.7380546	20.53568232	
52.79423658				
NKD1 NKD1	15.22782708	27.42096386	52.67848943	
21.68334717				
RHOU RHOU	243.6452332	74.13816155	13.3928363	
47.13771124				
SLC30A1 SLC30A1	867.9861433	991.217064	691.0703528	
658.9852031				
TRPM4 TRPM4	1.171371313	0 1.785711506	2.828262674	
MXD3 MXD3	13320.83458	19632.39453	10291.94827	
10522.0799				
HPR HPR	4.685485254	1.015591254	5.357134518	
9.427542247				
MTMR3 MTMR3	3043.222672	1985.480902	3161.602221	
3500.446436				
CACTIN CACTIN	1959.704207	1951.96639	2089.282462	
1637.564088				
POMP POMP	12439.96335	13786.65127	8292.844234	
8910.912932				
LOC100129924 LOC100129924		2.342742627	1.015591254	
11.60712479	3.771016899			
ABCF2 ABCF2	7632.655479	10055.36901	8952.664636	
8618.659122				
RNA5-8S5 RNA5-8S5		0 1.015591254	0	
1.885508449				
PA2G4P4 PA2G4P4	200.3044946	70.07579653	127.6783727	
139.5276253				
FAM129A FAM129A	12130.72132	7637.24623	2776.781392	
5148.380821				
GNG2 GNG2	7526.060689	8961.577226	4469.6359	
4665.690658				
PLB1 PLB1	39.82662466	75.1537528	8.92855753	
14.14131337				
B4GALT1 B4GALT1	3250.555395	740.3660242	727.6774387	
2770.754666				
LRRTM2 LRRTM2	4.685485254	2.031182508	0 2.828262674	
NCOA2 NCOA2	3025.652103	2533.900179	2077.675337	
2986.645384				
TRPC3 TRPC3	5.856856567	15.23386881	66.96418148	
5.656525348				
NUP188 NUP188	20644.24803	20072.14555	12691.05167	
14105.48871				
CHMP3 CHMP3	1889.421929	2463.824382	3212.494999	
2557.692212				
RPLP2 RPLP2	10048.02313	10155.91254	12336.58794	
10725.71481				
LHB LHB	5.856856567	0 1.785711506	2.828262674	
NQ02 NQ02	803.560721	2733.971656	2449.996186	
931.441174				

FNDC7	FNDC7	0	1.015591254	0	0
LINC00161	LINC00161		3.51411394		2.031182508
17.85711506		0.942754225			
CA5BP1	CA5BP1	284.6432292	634.7445338		876.7843495
509.0872813					
LOC645166	LOC645166		98.39519033		76.16934405
8.035701777		20.74059294			
PCED1B-AS1	PCED1B-AS1		3494.200628		3982.133307
6936.596345		4992.826374			
IDI2-AS1	IDI2-AS1		809.4175776		1118.165971
1056.248356		1069.083291			
NENF	NENF	1912.849355	2682.176502		2308.032122
2108.941201					
PCGF5	PCGF5	4516.807785	3750.578501		7627.666698
7883.310827					
GMPR2	GMPR2	4111.51331	5032.254664		3458.923187
3455.194234					
FAM151B	FAM151B	10.54234182	26.40537261		8.92855753
8.484788022					
ZNF251	ZNF251	354.925508	394.0494066		905.3557336
886.1889712					
F13A1	F13A1	0	0	0.942754225	
ATP6V1C1	ATP6V1C1		4738.196963		4891.08748
4279.457624		4085.89681			
PLCB2	PLCB2	3011.595647	1451.279902		633.0347289
1890.222221					
NOL6	NOL6	3495.371999	3895.808051		3950.886707
4029.331556					
IRGQ	IRGQ	1382.21815	899.8138511		716.0703139
980.4643937					
PLXDC2	PLXDC2	0	0	15.1785478	0
CAMK2N1	CAMK2N1	4.685485254	1.015591254		35.71423012
37.71016899					
PCDHGB7	PCDHGB7	2.342742627	14.21827756		37.49994163
17.91233027					
CXCR2	CXCR2	26.94154021	63.98224901		23.21424958
6.599279573					
WWTR1	WWTR1	83.16736326	26.40537261		10.71426904
97.10368515					
SAP25	SAP25	66.76816487	22.34300759		58.9284797
72.5920753					
CYB561A3	CYB561A3		5587.441165		6549.547997
4406.243141		4132.091767			
ARMC6	ARMC6	3408.690522	4631.096118		2249.996498
2706.647379					
PLA2G4E	PLA2G4E	0	7.109138778	0	0
TMEM31	TMEM31	0	0	8.035701777	1.885508449
PPIL3	PPIL3	1424.387517	2274.924409		1886.604206
1386.791465					
STX1B	STX1B	5.856856567	0	5.357134518	3.771016899

C9orf171	C9orf171	0	0	3.571423012
1.885508449				
LOC642846	LOC642846	531.8025763		281.3187774
195.5354099	357.3038512			
ZNF37A	ZNF37A	2263.089378	1942.826069	2720.531479
3038.496866				
CSE1L	CSE1L	14986.52458	15558.85801	9566.949394
12117.22005				
DLAT	DLAT	4854.162723	5906.678734	4220.529145
3767.245882				
COL9A3	COL9A3	9.370970508	26.40537261	9.821413283
18.85508449				
NEK3	NEK3	372.4960777	427.563918	225.8925055
421.4111384				
ANAPC16	ANAPC16	5423.449181	5175.453031	7610.702439
7047.08783				
QRSL1	QRSL1	2290.030918	2999.040973	2142.853807
2416.279078				
APITD1	APITD1	1154.972115	1157.77403	732.1417175
703.2946516				
TBC1D17	TBC1D17	1055.405553	829.7380546	1282.140861
1279.317483				
GIPR	GIPR	18.74194102	15.23386881	83.03558503
7.542033798				
HLA-DRB1	HLA-DRB1		8073.091092	7863.72308
2379.460582	3781.387195			
GBP1	GBP1	13373.54629	17788.08081	58232.05221
39933.18345				
ZNF189	ZNF189	268.2440308	79.21611782	183.9282851
210.2341921				
ZNF654	ZNF654	1269.766504	1140.508978	1768.747247
1891.164975				
FBXW7	FBXW7	1618.835155	1738.692227	1676.783104
1630.964809				
SCNN1D	SCNN1D	8.199599194	16.24946006	27.67852834
25.45436407				
TOPORS	TOPORS	2553.589463	3007.165703	5183.920502
3525.9008				
SLC9A5	SLC9A5	58.56856567	71.09138778	88.39271955
76.3630922				
NEK2	NEK2	3337.236872	3104.662464	923.2128486
1686.587308				
YY1	YY1	1918.706211	1566.041714	2028.568271
2063.688998				
PDE6C	PDE6C	2.342742627	2.031182508	5.357134518
7.542033798				
TBRG1	TBRG1	2621.529	3193.018903	3977.67238
3129.944026				
ATAD1	ATAD1	4338.759345	4715.390193	4241.064827
4395.120196				

MAP4K1	MAP4K1	16503.45044	15128.24732	6241.061714	
9538.787246					
TOM1	TOM1	2258.403892	3433.71403	4136.600704	
3220.448432					
LINC01481	LINC01481		228.4174061	243.741901	
299.1066773	202.6921583				
CD72	CD72	311.5847694	253.8978135	297.3209658	
276.2269878					
MADD	MADD	5619.068191	5384.664829	5751.776761	
5550.936875					
PLEKHG4	PLEKHG4	380.6956769	387.955859	485.7135296	
409.1553335					
CFAP46	CFAP46	3.51411394	3.046773762	14.28569205	0
IL6ST	IL6ST	4153.682678	1856.500812	9210.699948	
7465.670706					
NDOR1	NDOR1	2766.779042	1857.516404	1357.140745	
1725.240231					
GALNT16	GALNT16	3.51411394	0	0	0
ALDH16A1	ALDH16A1		3585.567591	3382.934467	
2016.06829	2151.365141				
ADAM32	ADAM32	1.171371313	0	0	0
FGF14-AS2	FGF14-AS2		50.36896648	64.99784026	
109.8212576	48.08046546				
LOC101929584	LOC101929584		0	0	0.892855753
FBX046	FBX046	1580.179902	1108.010058	723.21316	0
919.1853691					
E2F3	E2F3	2579.359632	2011.886274	1193.748142	
1555.544471					
UFM1	UFM1	3502.400227	3472.306498	6537.489824	
5901.641447					
LOC100128288	LOC100128288		12.88508445	7.109138778	
34.82137437	5.656525348				
SAMD15	SAMD15	15.22782708	14.21827756	31.24995136	
10.37029647					
SNORD29	SNORD29	18.74194102	13.2026863	33.92851862	
33.93915209					
ABCD4	ABCD4	1623.52064	1783.378242	2012.496867	
2243.755055					
GPR98	GPR98	0	4.464278765	2.828262674	
AP3B2	AP3B2	1.171371313	1.015591254	7.142846024	
1.885508449					
AFAP1L2	AFAP1L2	196.7903807	412.3300491	231.24964	
248.8871153					
ZNF740	ZNF740	267.0726595	245.7730835	374.9994163	
366.7313934					
SNHG20	SNHG20	412.3227023	516.9359483	483.0349624	
465.720587					
PDCL3P4	PDCL3P4	11.71371313	6.093547524	20.53568232	
1.885508449					
SPECC1	SPECC1	509.5465214	645.9160376	320.5352153	

576.0228313					
GK3P	GK3P	7.028227881	2.031182508	0	0.942754225
PIP5K1A	PIP5K1A	5232.515657	2810.141	3016.066734	
2302.205817					
C11orf68	C11orf68		1734.800915	1959.075529	
2952.673975		2249.41158			
VCAN	VCAN	4.685485254	14.21827756	0	4.713771124
UBE2C	UBE2C	10132.36186	12188.11064	4371.421767	
7128.164693					
CLMN	CLMN	11.71371313	4.062365016	11.60712479	
4.713771124					
TRIM58	TRIM58	131.1935871	27.42096386	33.92851862	
32.99639787					
TOM1L2	TOM1L2	748.5062693	614.4327087	821.4272928	
514.7438067					
KLLN	KLLN	50.36896648	9.140321286	43.7499319	
12.25580492					
SEC61A2	SEC61A2	2841.746806	3325.045766	1867.854235	
2060.860735					
C1orf27	C1orf27	858.6151728	1046.058992	977.6770496	
1122.820282					
KCNRG	KCNRG	55.05445173	35.54569389	64.28561422	
78.24860065					
SLC4A1AP	SLC4A1AP		3071.335584	4698.125141	
3882.136814		3109.203433			
ADSL	ADSL	8699.774745	10861.74846	5358.92023	
6740.692707					
NDUFS4	NDUFS4	2108.468364	2169.302919	1341.962197	
1604.56769					
VPS4B	VPS4B	5422.27781	6129.093218	5816.062375	
5553.765138					
CLCN6	CLCN6	342.0404235	212.2585721	914.2842911	
590.1641447					
MRE11A	MRE11A	2976.454508	2533.900179	1447.319176	
2538.837127					
5-Sep	5-Sep	3.51411394	1.015591254	25.89281684	
40.53843166					
PNN	PNN	3802.271283	3438.791986	4427.671679	
4154.717868					
GPAA1	GPAA1	6522.195473	8228.32034	5539.277092	
5497.199884					
SEC62	SEC62	2682.440308	2382.577082	3731.244192	
3278.899194					
NEK7	NEK7	7476.863094	7673.807516	8142.844468	
8394.283617					
CLDN14	CLDN14	3.51411394	0	0	0
PSEN1	PSEN1	5460.933063	6046.830327	4216.957722	
4581.785532					
GOLGA7	GOLGA7	6003.277981	5934.099697	5788.383847	
5940.29437					

SCFD1	SCFD1	3995.54755	4490.944525	3392.851862
3878.49088				
STIP1	STIP1	22929.59346	36671.98459	23978.5341
23507.57659				
P2RY14	P2RY14	69.11090749	30.46773762	98.21413283
56.56525348				
TMEM14E	TMEM14E	5.856856567	5.07795627	14.28569205
10.37029647				
KIAA2022	KIAA2022		5.856856567	6.093547524
58.9284797	24.51160984			
RTKN	RTKN	42.16936728	109.6838554	36.60708587
40.53843166				
GRN	GRN	4677.285655	6810.55495	4683.028425
4102.866386				
COX8A	COX8A	10011.71062	11750.39081	5345.527393
5565.078188				
C3orf80	C3orf80	19.91331233	23.35859884	0 0
VTN	VTN	5.856856567	4.062365016	0 14.14131337
NEB	NEB	24.59879758	11.17150379	41.07136464
71.64932108				
MTRNR2L2	MTRNR2L2		4.685485254	1.015591254
4.464278765	0			
FLJ22184	FLJ22184		0 1.015591254	1.785711506
	6.599279573			
AZIN1	AZIN1	9379.170107	8548.231585	5902.669383
7138.53499				
NIN	NIN	6059.503805	3678.471522	5608.919841
5084.273534				
ZNF85	ZNF85	562.2582305	527.0918609	574.999105
652.3859235				
C21orf140	C21orf140		1.171371313	0 0.892855753
0				
C17orf107	C17orf107		29.28428284	9.140321286
190.1782754	48.08046546			
SCRN1	SCRN1	78.481878	31.48332888	381.2494065
416.6973673				
TCP11L1	TCP11L1	795.3611218	936.3751362	733.927429
845.6505396				
OTUD5	OTUD5	7056.340792	8052.623053	5600.884139
7211.127065				
SCARNA5	SCARNA5	8.199599194	1.015591254	18.74997081
17.91233027				
LINC00470	LINC00470		0 1.015591254	0
8.484788022				
ZNF304	ZNF304	742.6494127	667.2434539	1101.783999
903.1585473				
NUMBL	NUMBL	256.5303176	160.4634181	303.570956
251.715378				
PPP1R1B	PPP1R1B	0 0	0.892855753	0
PNKD	PNKD	1960.875579	2411.013637	1420.533503

1387.734219					
MCCC2	MCCC2	7873.957969	8676.196083	3684.815693	
5182.319973					
TECPR2	TECPR2	646.596965	475.2967069	419.6422039	
395.9567744					
EFR3B	EFR3B	4.685485254	4.062365016	36.60708587	
39.59567744					
ARHGAP26	ARHGAP26		925.3833376	602.2456137	
1335.712207		1313.256635			
RIPPLY3	RIPPLY3	0	0	6.249990271	2.828262674
SH3BP1	SH3BP1	2375.541024	1140.508978	539.2848748	
827.7382093					
PKN1	PKN1	6627.618892	4307.122508	3217.852134	
3525.9008					
ETAA1	ETAA1	980.4377894	757.6310755	831.2487061	
966.3230803					
EGFLAM	EGFLAM	0	0	1.785711506	2.828262674
RAB11FIP1	RAB11FIP1		10875.01127	12627.86165	
4466.064477		5661.239119			
MFSD1	MFSD1	3035.023073	2817.250139	3025.888147	
3919.972066					
B3GNT2	B3GNT2	3840.926537	3755.656457	3984.815226	
4228.252698					
ODF2L	ODF2L	954.6676205	643.8848551	1389.283552	
1441.47121					
EPAS1	EPAS1	159.3064986	140.1515931	192.8568427	
355.4183427					
RPL17	RPL17	10296.35385	11611.25481	10594.62637	
9885.7208					
UNC5B-AS1	UNC5B-AS1		0	0	8.92855753
MIR4722	MIR4722	9.370970508	12.18709505	8.92855753	0
14.14131337					
MIR4721	MIR4721	2475.107585	4614.846658	3018.745301	
3014.928011					
MIR4720	MIR4720	0	2.031182508	2.678567259	0.942754225
MIR4717	MIR4717	0	1.015591254	0	0
MIR4715	MIR4715	2.342742627	1.015591254	0	0
MIR4712	MIR4712	21.08468364	9.140321286	24.99996108	
13.19855915					
MIR4709	MIR4709	639.5687371	655.0563589	1508.033367	
1112.449985					
MIR4707	MIR4707	264.7299168	266.0849086	157.1426125	
180.0660569					
MIR3198-2	MIR3198-2		1023.778528	776.9273093	
373.2137048		482.6901631			
MIR4698	MIR4698	0	1.015591254	3.571423012	3.771016899
MIR4695	MIR4695	0	0	3.771016899	
MIR4691	MIR4691	50.36896648	33.51451138	107.1426904	
86.73338867					
MIR4690	MIR4690	7.028227881	0	0	1.885508449

LOC284023	LOC284023		163.9919839	129.9956805
455.356434	350.7045716			
LINC00238	LINC00238		0	1.015591254
	9.427542247			0.892855753
PWWP2B	PWWP2B	10.54234182	23.35859884	163.3926028
155.5544471				
MY01H	MY01H	14.05645576	11.17150379	24.10710533
9.427542247				
TFAP2E	TFAP2E	19.91331233	18.28064257	41.07136464
63.16453306				
CDH20	CDH20	1.171371313	0	6.249990271
MRVI1	MRVI1	2.342742627	0	0
PPP4R1-AS1	PPP4R1-AS1		2.342742627	0
	4.713771124			3.571423012
BET1L	BET1L	2715.238705	3499.727461	9451.771002
5868.645049				
TCL1A	TCL1A	0	0	0.942754225
GNG4	GNG4	2647.299168	888.6423473	528.5706058
720.2642277				
SCN8A	SCN8A	4.685485254	1.015591254	7.142846024
29.22538097				
TARSL2	TARSL2	709.851016	703.8047391	1201.783844
965.3803261				
HMOX2	HMOX2	7275.387228	10926.7463	5132.134868
5918.611023				
SLC6A12	SLC6A12	2.342742627	0	23.21424958
PHOSPH02	PHOSPH02		147.5927855	110.6994467
181.2497179	155.5544471			
B3GNT1	B3GNT1	516.5747492	720.0541991	656.2489785
658.0424489				
AADAT	AADAT	0	0.892855753	15.0840676
GAPDH	GAPDH	257343.2493	397868.0297	175414.0127
199476.4237				
P2RX4	P2RX4	2298.230517	3037.633441	2155.353788
2375.740646				
ARMC4	ARMC4	0	2.031182508	4.464278765
MIOX	MIOX	11.71371313	1.015591254	16.07140355
10.37029647				
CWF19L1	CWF19L1	3610.166388	4025.803731	2818.745612
2724.559709				
HLA-DQA2	HLA-DQA2		0	1.015591254
	0			0.892855753
SENP2	SENP2	1629.377497	2070.790567	2419.639091
1987.325906				
SREBF1	SREBF1	2163.522816	1708.224489	3371.423323
2871.629368				
ZNF211	ZNF211	871.5002572	879.502026	2449.996186
2064.631752				
VKORC1	VKORC1	2237.319209	3219.424275	2399.103408
2189.07531				

DSC2	DSC2	0	0	3.571423012	3.771016899
TBC1D1	TBC1D1	2205.692183		1182.14822	1466.069146
		1800.660569			
CUEDC1	CUEDC1	0	7.109138778	3.571423012	0
WDR44	WDR44	1668.03275		1928.607791	1781.247227
		2183.418784			
FAM86B2	FAM86B2	0	0	7.142846024	3.771016899
C18orf32	C18orf32			2436.452332	2045.400786
		2980.352504	2776.411192		
PAGE5	PAGE5	5.856856567		19.29623383	15.1785478
		14.14131337			
ZNF780B	ZNF780B	284.6432292		129.9956805	315.1780808
		376.1589357			
MEAF6	MEAF6	4137.283479		4434.071415	6837.489357
		6506.889659			
MYH7B	MYH7B	242.4738619		170.6193307	192.8568427
		210.2341921			
LRCH2	LRCH2	0	0	0.892855753	3.771016899
VSTM2L	VSTM2L	2.342742627		1.015591254	0
					0.942754225
CAPN10	CAPN10	1632.891611		1220.740687	1000.891299
		1066.255028			
ADD3	ADD3	15935.33535		14123.82757	11552.66059
		12519.7761			
6-Mar	6-Mar	4208.737129		2840.608738	3671.422856
		3928.456854			
IFNAR2	IFNAR2	6193.040134		5060.691219	3180.352192
		4100.038123			
SSFA2	SSFA2	1236.968107		713.9606516	656.2489785
		525.1141032			
DHRS4-AS1	DHRS4-AS1			707.5082733	1286.754119
		1379.462138	1276.48922		
MESTIT1	MESTIT1	0	0	0.892855753	0
ZNF33A	ZNF33A	1615.321041		1353.783142	2678.567259
		2437.019671			
GPR180	GPR180	2261.918006		1760.019643	1409.819234
		1883.622941			
FKBP4	FKBP4	6824.409272		6987.267828	9416.949627
		7690.988965			
ZNF554	ZNF554	117.1371313		263.0381348	808.0344565
		334.6777498			
RPL28	RPL28	3742.531347		3395.121562	4588.385715
		3988.793125			
SEZ6L2	SEZ6L2	0	0	21.42853807	0
ALG1L2	ALG1L2	19.91331233		21.32741634	8.92855753
		7.542033798			
GPD2	GPD2	1659.833151		1276.598206	1384.819273
		1509.349514			
JAG2	JAG2	14.05645576		8.124730032	25.89281684
		32.99639787			
RUFY2	RUFY2	2224.434124		2875.13884	3293.744873

2770.754666				
TMEM184A	TMEM184A		71.45365012	32.49892013
44.64278765	66.93554995			
TXNIP TXNIP	11799.22324		11655.94082	35949.05118
29223.49546				
BFSP2 BFSP2	83.16736326		144.2139581	38.39279738
9.427542247				
CKMT2 CKMT2	26.94154021		14.21827756	11.60712479
3.771016899				
AP3B1 AP3B1	5309.826164		5201.858403	3370.530468
5031.479297				
ZNF80 ZNF80	74.96776406		49.76397145	74.99988325
134.8138541				
FBLN1 FBLN1	0 0		21.42853807	0
ANKRD6 ANKRD6	142.9073002		112.7306292	291.9638312
192.3218618				
EXOSC4 EXOSC4	1584.865387		2752.252298	1586.604673
1541.403157				
PCDHB15 PCDHB15	0 3.046773762	0	0	0
HIST1H3G	HIST1H3G		133.5363297	90.38762161
16.96425931	23.56885562			
IVL IVL	0 0	0	7.542033798	
ITK ITK	13913.54846		13826.25933	24190.14092
22239.57216				
CDCA8 CDCA8	7034.084737		9136.258921	2984.816782
4527.105787				
RBFA RBFA	686.4235897		837.8627846	801.7844662
772.11571				
ADHFE1 ADHFE1	113.6230174		50.7795627	149.9997665
203.6349125				
BLNK BLNK	2.342742627		1.015591254	0 15.0840676
FAM173B FAM173B	825.816776		711.9294691	420.5350597
684.4395671				
FCAR FCAR	0 0		18.74997081	0
THTPA THTPA	578.6574288		633.7289425	1377.676427
971.9796057				
LILRA6 LILRA6	39.82662466		28.43655511	11.60712479
46.19495701				
LENG1 LENG1	462.6916688		538.2633646	672.320382
580.7366024				
GNPTAB GNPTAB	7746.278496		14563.57858	5000.885073
4165.088165				
KDM4E KDM4E	0 0	0	10.37029647	
NXNL2 NXNL2	0 0	0	0.942754225	
NLGN3 NLGN3	25.7701689		21.32741634	38.39279738
42.42394011				
ALDH3A2 ALDH3A2	2589.901974		3828.779028	1526.783338
1725.240231				
PTEN PTEN	5426.963295		3749.56291	2600.888809
2970.618562				

PROS1	PROS1	64.42542224	61.9510665	50.89277792
108.4167358				
PLAGL2	PLAGL2	4546.092068	3508.867783	3471.423168
4620.438455				
CACNG1	CACNG1	0	2.031182508	0
NCAM1	NCAM1	2.342742627	15.23386881	12.49998054
23.56885562				
IL31RA	IL31RA	0	0	1.785711506
HEPACAM	HEPACAM	1.171371313	1.015591254	0.892855753
1.885508449				
PLCB1	PLCB1	25.7701689	15.23386881	62.49990271
196.0928787				
PCDHGB1	PCDHGB1	1.171371313	14.21827756	9.821413283
23.56885562				
PCDHGA9	PCDHGA9	0	14.21827756	9.821413283
ERP44	ERP44	5743.23355	7054.296851	12.25580492
5664.067382				
MOSPD1	MOSPD1	1369.333065	1976.34058	1474.997704
1296.287059				
COMMD10	COMMD10	1622.349269	1676.74116	1160.712479
1433.929176				
COQ7	COQ7	782.4760374	841.9251496	968.748492
805.1121079				
LMAN1L	LMAN1L	5.856856567	0	0
ZWILCH	ZWILCH	5457.418949	5156.156797	2544.638896
3599.43563				
DHRS12	DHRS12	268.2440308	289.4435074	716.9631697
718.3787192				
TMLHE	TMLHE	333.8408243	424.5171442	435.7136075
393.1285117				
MICAL2	MICAL2	7652.568791	6766.884526	2006.246877
3067.722247				
PRSS35	PRSS35	0	0	33.92851862
RPRD2	RPRD2	3449.688518	3240.751692	25.45436407
3920.914821				4070.529378
LRRC34	LRRC34	107.7661608	112.7306292	39.28565313
38.65292321				
FBXW8	FBXW8	590.371142	477.3278894	549.9991439
567.5380433				
PSTK	PSTK	167.5060978	186.8687907	214.2853807
145.1841506				
GRPEL1	GRPEL1	4197.023416	5754.340045	5529.455679
4905.150231				
TRIB1	TRIB1	6748.270137	5836.602937	1120.53397
1580.998835				
MED28	MED28	2386.083366	2400.857725	2823.209891
2862.201826				
ITPKC	ITPKC	787.1615226	847.0031059	1503.569088
1029.487613				
HSD3B7	HSD3B7	107.7661608	345.3010264	174.1068718

67.87830418					
MED29	MED29	4335.245231	4961.163276	5410.705863	
4307.444053					
KIF16B	KIF16B	217.8750643	350.3789826	475.8921164	
543.9691877					
GZMK	GZMK	286.9859718	68.04461402	455.356434	
482.6901631					
RBMXL1	RBMXL1	1290.851187	1118.165971	2028.568271	
1753.522858					
RPS10-NUDT3	RPS10-NUDT3		12145.94915	15407.53492	
14660.69146		11973.92141			
TAF7L	TAF7L	12.88508445	4.062365016	0	3.771016899
FAM49B	FAM49B	11173.71096	13754.15235	7938.3805	
10160.06228					
HTR2C	HTR2C	0	0	0.892855753	0
TAMM41	TAMM41	1020.264414	1200.428862	1460.712012	
1214.267441					
NOLC1	NOLC1	11273.27752	14893.64574	16042.83217	
16205.94512					
FASTKD5	FASTKD5	4721.797765	5153.110023	3641.958617	
3793.643					
NIF3L1	NIF3L1	2338.057142	2634.443713	2393.746274	
2034.463617					
MRPS35	MRPS35	4826.049811	5346.072361	4358.028931	
4672.289938					
HAPLN2	HAPLN2	0	4.062365016	0.892855753	3.771016899
NUBPL	NUBPL	523.6029771	535.2165909	412.4993579	
563.7670264					
HNRNPLL	HNRNPLL	7896.214024	8380.659028	5208.027607	
7260.150285					
REEP6	REEP6	56.22582305	107.6526729	264.2853029	
181.0088111					
PABPC3	PABPC3	9.370970508	7.109138778	5.357134518	0
TRIM66	TRIM66	188.5907815	52.81074521	74.1070275	
112.1877527					
PSMD6	PSMD6	8842.682045	10646.44312	8349.094147	
8154.824044					
LRIG2	LRIG2	858.6151728	870.3617047	1223.212382	
1270.832695					
ECHDC1	ECHDC1	4729.997364	5487.239546	4097.315051	
4185.828758					
PPP1R26	PPP1R26	39.82662466	43.67042392	49.10706642	
82.01961755					
HEPH	HEPH	10.54234182	3.046773762	0.892855753	
15.0840676					
FAM25C	FAM25C	0	0	1.785711506	0
HES7	HES7	0	1.015591254	0	0
MYPN	MYPN	0	0	69.64274874	0
DPY30	DPY30	3077.19244	3159.504391	2399.103408	
2722.674201					

RAB11A	RAB11A	7930.183792	9214.459448	6737.489512
8077.518197				
AMPH	AMPH	23.42742627	13.2026863	11.60712479
38.65292321				
TRADD	TRADD	4282.533522	5606.063722	3368.744756
3017.756273				
CTS0	CTS0	957.0103631	755.599893	1833.925717
2015.608532				
RBBP8	RBBP8	4515.636413	4909.368122	2098.21102
2659.509668				
CCT7	CCT7	23992.02724	32730.47494	21987.46577
21304.35997				
KIAA0907	KIAA0907		1014.407557	435.688648
844.6415424	824.9099466			
MLXIPL	MLXIPL	0	2.678567259	0
		0		
CASP2	CASP2	5087.265614	3041.695806	1933.032705
3112.031696				
WDR66	WDR66	11.71371313	6.093547524	1.785711506
0.942754225				
UHRF1BP1L	UHRF1BP1L		4074.029428	4710.312236
3484.816004	3333.578939			
ZNF431	ZNF431	837.5304891	528.1074521	1116.069691
1063.426765				
TMEM185B	TMEM185B		1304.907643	1280.660571
1730.354449	1596.082902			
CCDC74B	CCDC74B	1.171371313	14.21827756	8.035701777
12.25580492				
C17orf49	C17orf49		10969.89235	13488.06745
7463.38124	6849.109443			
BTG3	BTG3	2452.85153	2663.895859	1816.961457
1832.714213				
ZNF720	ZNF720	1071.804752	896.7670773	733.0345732
860.7346072				
C5orf24	C5orf24	1315.449985	1151.680482	1402.676388
1597.968411				
RBBP4	RBBP4	24568.34193	25993.04256	19987.46889
22224.48809				
NRCAM	NRCAM	2.342742627	2.031182508	1.785711506
71.64932108				
KCNE3	KCNE3	38.65525334	11.17150379	3.571423012
5.656525348				
ELP5	ELP5	3739.017233	5067.800358	4039.279427
3541.927622				
MTRNR2L8	MTRNR2L8		7.028227881	1.015591254
1.785711506	7.542033798			
CUL4B	CUL4B	3570.339763	2232.269576	3134.816549
3167.654195				
VEGFB	VEGFB	370.1533351	279.2875949	690.1774971
683.4968129				
TCEA1	TCEA1	7059.854906	7125.388238	6639.27538

7615.568627				
PPP1R12A	PPP1R12A		9195.264811	9221.568587
7505.34546	8579.063445			
SNORD107	SNORD107		9.370970508	5.07795627
75.89273901	23.56885562			
TNFRSF9	TNFRSF9		2189.292985	6397.209309
5621.643442				7524.095431
RAE1	RAE1	4870.561921	6717.120554	4756.242596
4380.978882				
C5orf51	C5orf51	2072.155854	1353.783142	1592.854663
2214.529674				
SNX20	SNX20	5731.519837	5240.450871	3634.815771
4569.529727				
SHMT1	SHMT1	5810.001715	7291.945204	2973.209658
3405.22826				
SLC35E2	SLC35E2	1029.635385	1300.972396	1469.640569
833.3947346				
LILRA1	LILRA1	1.171371313	1.015591254	0
TCP11	TCP11	0	11.17150379	0
MIR22HG	MIR22HG	240.1311193	389.9870416	491.9635199
323.3646991				
MAEL	MAEL	28.11291152	0	0
GK5	GK5	639.5687371	474.2811156	74.47758375
564.7097806				193.7496984
BMS1P20	BMS1P20	1041.349098	1345.658412	723.21316
990.8346902				
LCK	LCK	62612.13945	85753.47872	43491.89659
45226.74842				
FIGNL1	FIGNL1	3367.692526	3003.103338	1769.640103
2616.142974				
C17orf89	C17orf89		2551.246721	3997.367176
2510.710378	1921.33311			
FAM224A	FAM224A	1.171371313	0	0
PCBP1-AS1	PCBP1-AS1		263.5585455	4.713771124
372.320849	367.6741476			204.1338421
CCDC94	CCDC94	1641.09121	1975.324989	1458.9263
1535.746632				
MRPL20	MRPL20	3898.323731	5347.087953	4688.385559
3769.13139				
MLH3	MLH3	727.4215857	391.0026328	518.7491925
1129.419561				
ISPD	ISPD	31.62702546	51.79515396	49.10706642
72.5920753				
KBTBD13	KBTBD13	0	1.015591254	0
FAM111B	FAM111B	5381.279814	3095.522142	0
3260.044109				1635.71174
ZADH2	ZADH2	822.302662	1061.29286	1565.176135
835.2802431				
ZNF800	ZNF800	2176.4079	1560.963757	3563.38731
2828.262674				

AGR3	AGR3	0	0	1.785711506	1.885508449
SP8	SP8	1.171371313		0	3.571423012
SNORA35	SNORA35	0	0	2.678567259	0
CKLF	CKLF	5367.223358		4630.080527	2082.139616
3237.418008					
PLEKH02	PLEKH02	4205.223015		5142.954111	3337.494805
3057.351951					
KCNJ18	KCNJ18	4.685485254		14.21827756	0
TMEM87A	TMEM87A	4290.733121		5964.567435	6095.526226
5461.375224					
GTF2A1	GTF2A1	829.3308899		467.1719769	793.7487644
735.3482953					
OTUD4	OTUD4	3381.748982		2122.585721	2769.638546
3123.344746					
FAF2	FAF2	6818.552416		6905.004936	4868.742421
5426.493317					
PNISR	PNISR	3093.591639		2418.122776	5024.099322
5053.162644					
GPR162	GPR162	1.171371313		0	2.678567259
C2CD2	C2CD2	324.4698538		188.8999733	506.249212
396.8995286					
RIC8A	RIC8A	8228.883477		10471.76142	11258.91105
8888.286831					
ODF3	ODF3	0	0	3.571423012	0
EXD1	EXD1	0	0	11.60712479	0
EARS2	EARS2	1771.113426		1882.906185	1641.068874
1760.122138					
ALG2	ALG2	2690.639907		3478.400045	3727.672769
3109.203433					
ANKLE1	ANKLE1	158.1351273		414.3612317	299.999533
73.53482953					
U2AF1	U2AF1	7608.056681		6380.959849	5755.348184
5208.717092					
GGCX	GGCX	3078.363812		2730.924882	2878.566948
3357.147794					
GPR183	GPR183	4213.422615		4032.91287	7938.3805
11840.05031					
EPYC	EPYC	3.51411394		0	0
HUS1	HUS1	1696.145662		2208.910978	2020.532569
2078.773066					
NPPB	NPPB	0	0	0	1.885508449
HMGA2	HMGA2	1.171371313		0	0.942754225
TXNRD1	TXNRD1	14274.33083		17731.2077	16561.58136
12552.7725					
VAMP1	VAMP1	1905.821127		1385.266471	1757.140122
1996.753448					
HIRA	HIRA	3570.339763		2679.129728	2311.603545
1132.247824					
ZCCHC2	ZCCHC2	584.5142854		420.4547792	717.8560254
671.241008					

L3MBTL1	L3MBTL1	134.707701	46.71719769	160.7140355
112.1877527				
KBTBD2	KBTBD2	3227.127969	3018.337207	3730.351336
3958.62499				
UBIAD1	UBIAD1	2409.510792	3325.045766	4265.171932
3777.616178				
PRRC2B	PRRC2B	4930.301858	1283.707345	2050.889665
2820.72064				
MIER2	MIER2	479.0908672	359.5193039	344.6423207
415.7546131				
ANKDD1A	ANKDD1A	602.0848551	479.3590719	389.2851083
376.1589357				
EIF4G1	EIF4G1	16897.0312	13734.85612	11671.4104
11981.46344				
ZNF641	ZNF641	783.6474087	830.7536458	1252.676622
1261.405153				
ZNF764	ZNF764	573.9719436	530.1386346	936.6056849
765.5164305				
BAAT	BAAT	5.856856567	0	0
TPRN	TPRN	39.82662466	35.54569389	37.49994163
35.82466054				
TMTC4	TMTC4	866.814772	1121.212744	974.9984823
807.9403706				
C4orf48	C4orf48	801.2179784	842.9407409	308.9280905
367.6741476				
TNRC6C	TNRC6C	894.9276835	421.4703704	1478.569127
1336.825491				
SUGCT	SUGCT	8.199599194	2.031182508	7.142846024
25.45436407				
CBR4	CBR4	1129.201946	914.0321286	732.1417175
1024.773842				
F8	F8	629.0263953	568.7311023	759.8202458
768.3446931				
HTR7	HTR7	1.171371313	19.29623383	0
CARD8	CARD8	4602.317891	4185.251558	5011.599342
4541.2471				
XPNPEP2	XPNPEP2	92.53833376	165.5413744	9.821413283
12.25580492				
ZFP36	ZFP36	4117.370167	3474.33768	6956.239172
5652.754331				
OFD1	OFD1	1002.693844	929.2659975	2912.495466
2541.66539				
YWHAB	YWHAB	27784.92756	31783.94389	20169.61146
24236.32561				
CAPZA1	CAPZA1	35913.0731	42399.91927	24294.60504
27659.4662				
CLDN7	CLDN7	76.13913537	63.98224901	105.3569789
94.27542247				
DPH2	DPH2	4103.313711	5833.556163	4887.492392
4302.730282				

DPAGT1 DPAGT1	4655.0296	6306.821688	4224.100568		
4603.468879					
ZNF132 ZNF132	181.5625536	173.6661044	222.3210825		
218.7189801					
CCDC88A CCDC88A	188.5907815	169.6037394	389.2851083		
195.1501245					
EIF4EBP2	EIF4EBP2	9780.950467	8203.94615		
7409.809894	7866.341251				
CDCA4 CDCA4	5108.350298	5506.535779	4237.493404		
4218.825156					
MTCH2 MTCH2	8377.647634	10811.98449	4667.849877		
6018.542971					
SEC24B-AS1	SEC24B-AS1	56.22582305	50.7795627		
65.17846997	57.50800771				
PPP1R8 PPP1R8	3206.043285	853.0966534	1518.747636		
1098.308672					
KIF23 KIF23	6215.296189	6111.828167	1814.28289		
3257.215846					
SUN1 SUN1	2388.426108	1959.075529	3815.172633		
3774.787916					
SUM01 SUM01	10780.1302	11809.2951	7849.094925		
8507.414124					
UBE2I UBE2I	7960.639446	5842.696485	5039.27787		
5561.307172					
UBE2H UBE2H	3332.551387	2896.466257	4325.886123		
3105.432416					
ADAMTS15	ADAMTS15	1.171371313	0 0 0		
LINC00152	LINC00152	3778.843857	3209.268363		
1533.926184	2027.864337				
LINC00974	LINC00974	0 0	0.892855753	0	
LINC00965	LINC00965	1.171371313	0 0	0	
LOC100270804	LOC100270804	92.53833376	35.54569389		
183.0354294	210.2341921				
MGC12916	MGC12916	1819.13965	1784.393833		
240.1781976	555.2822384				
DNASE1L1	DNASE1L1	1027.292642	811.457412		
809.820168	979.5216395				
MYH2 MYH2	0 0	4.464278765	4.713771124		
MSS51 MSS51	17.5705697	24.3741901	43.7499319		
13.19855915					
ACTR3B ACTR3B	235.445634	246.7886747	619.6418926		
537.3699081					
ELF1 ELF1	10887.89636	8408.079992	16037.47504		
13162.73449					
ARNTL ARNTL	2722.266932	2417.107185	3775.88698		
4558.216676					
PODNL1 PODNL1	1.171371313	12.18709505	0 2.828262674		
CCDC134 CCDC134	506.0324074	443.813378	372.320849		
487.4039342					
ATP1B3 ATP1B3	11938.61643	13537.83142	9230.342775		

10351.44139					
ZEB1	ZEB1	3549.25508	2922.871629	3974.993812	
3997.277913					
TNFAIP8L2-SCNM1	TNFAIP8L2-SCNM1	2567.645919	3660.19088		
2885.709794		2277.694207			
LHPP	LHPP	286.9859718	360.5348952	269.6424374	
328.0784702					
PAIP1	PAIP1	2920.228684	3080.288274	3228.566403	
3148.799111					
CPSF4	CPSF4	2416.53902	2392.732995	2080.353905	
1720.52646					
MS4A13	MS4A13	0	0	1.785711506	2.828262674
MVD	MVD	3024.480731	4386.338626	2232.139383	
2551.092932					
COX4I1	COX4I1	16342.97257	20465.17936	14947.29816	
12989.26771					
SLC31A1	SLC31A1	1453.6718	1736.661044	1216.069536	
1087.938375					
GRIK4	GRIK4	10.54234182	11.17150379	31.24995136	
47.13771124					
ZNF714	ZNF714	1914.020726	1220.740687	733.0345732	
828.6809635					
CFAP99	CFAP99	0	0	7.142846024	0
TYW1B	TYW1B	387.7239048	117.8085855	388.3922526	
494.945968					
RFX4	RFX4	3.51411394	15.23386881	5.357134518	
7.542033798					
CDKN2D	CDKN2D	1951.504608	2507.494806	3277.673469	
2444.561705					
TRMT2B	TRMT2B	2191.635727	1745.801366	2374.103447	
2006.18099					
ZBTB48	ZBTB48	975.7523041	1009.497707	1395.533542	
1086.052867					
MSRB2	MSRB2	392.40939	418.4235967	416.0707809	
346.9335547					
NUBP2	NUBP2	4564.834009	6830.866775	4218.743433	
3834.181432					
DDX27	DDX27	4712.426794	5845.743258	5879.455134	
5672.55217					
NEFH	NEFH	503.6896648	423.5015529	433.0350402	
426.1249096					
RDH14	RDH14	992.1515025	1055.199313	1971.425503	
1659.247436					
INPP5E	INPP5E	930.0688229	834.8160108	1004.462722	
926.7274029					
CAMSAP2	CAMSAP2	101.9093043	51.79515396	207.1425347	
122.5580492					
TEPP	TEPP	0	6.093547524	61.60704696	19.79783872
SCARA5	SCARA5	0	0	3.571423012	0
PPARD	PPARD	1176.056799	832.7848283	969.6413478	

865.4483783					
GPHN	GPHN	811.7603202	706.8515128	558.0348456	
810.7686333					
SYCP2	SYCP2	224.9032922	53.82633646	82.14272928	
202.6921583					
CNPY2	CNPY2	5237.201142	7141.637698	4558.921475	
4541.2471					
MY01A	MY01A	12.88508445	11.17150379	74.99988325	
44.30944856					
ARMCX3	ARMCX3	2244.347437	2148.991094	4209.814876	
3619.233469					
SLC25A10	SLC25A10		2157.665959	3183.878581	
1131.248239	1494.265446				
GDPD1	GDPD1	76.13913537	35.54569389	65.17846997	
90.50440557					
TBX20	TBX20	8.199599194	1.015591254	0	0
S1PR5	S1PR5	0	0	125.8926612	83.905126
TLCD2	TLCD2	8.199599194	2.031182508	0	3.771016899
BHLHA9	BHLHA9	0	1.015591254	0	0
PGR	PGR	1.171371313	0	0	0
TSEN54	TSEN54	2712.895962	3732.297859	2989.281061	
3095.06212					
C3orf35	C3orf35	2.342742627	1.015591254	0	4.713771124
GPAT2	GPAT2	550.5445173	1325.346587	938.3913964	
775.8867269					
IFF02	IFF02	390.0666474	165.5413744	309.8209463	
354.4755885					
AKIRIN1	AKIRIN1	6655.731803	6877.583972	7730.34511	
7566.545408					
PMS2CL	PMS2CL	261.2158029	274.2096386	555.3562784	
355.4183427					
NUDT4P1	NUDT4P1	4063.487086	4798.668675	4063.386532	
3902.059736					
GTF2IP1	GTF2IP1	258.8730603	234.6015797	201.7854002	
236.6313104					
LOC100288162	LOC100288162		333.8408243	68.04461402	
227.678217	239.4595731				
CAND1.11	CAND1.11		0	0	0
GIMAP6	GIMAP6	8067.234236	6261.120081	8665.165083	0.942754225
7590.114263					
STPG2	STPG2	1.171371313	3.046773762	3.571423012	
18.85508449					
FAM49A	FAM49A	73.79639275	28.43655511	58.03562395	
327.135716					
C19orf52	C19orf52		1265.081019	1726.505132	
1516.961924	1168.072484				
TP53I13	TP53I13	1765.256569	1733.614271	1424.997782	
1425.444388					
NCOR1	NCOR1	9197.607553	9550.620153	8579.450931	
9378.519027					

PDXDC1 PDXDC1	6201.239733	7240.15005	8163.38015
6456.923685			
TTPAL TTPAL	2700.010878	1671.663204	1441.962041
2441.733442			
SLC27A3 SLC27A3	349.0686514	451.9381081	441.070742
303.5668604			
UBE2F UBE2F	7517.86109	8192.774646	3436.601793
4096.267106			
ZC3H13 ZC3H13	3578.539363	2894.435074	3825.886902
3641.85957			
SPTLC1 SPTLC1	4677.285655	5793.948104	4534.81437
4372.494094			
LOC100505984 LOC100505984	0 0	0 0	1.785711506
1.885508449			
MIF4GD MIF4GD	4120.884281	4410.712816	3762.494143
3489.133386			
FBX044 FBX044	390.0666474	383.893494	653.5704112
714.6077023			
ASB7 ASB7	1906.992498	1797.59652	2366.960601
2225.842725			
CFAP43 CFAP43	4.685485254	3.046773762	20.53568232
8.484788022			
ARL14 ARL14	0 2.031182508	0 0	0
SEMA4C SEMA4C	99.56656164	108.6682642	265.1781587
195.1501245			
LARP1 LARP1	4849.477238	2696.39478	3220.530701
3181.795508			
FANCE FANCE	1296.708044	1149.6493	1078.56975
1047.399944			
HECW2 HECW2	73.79639275	67.02902277	24.10710533
84.84788022			
ARMC5 ARMC5	1044.863212	908.9541724	673.2132378
692.9243552			
NCAPG2 NCAPG2	11013.23309	9963.965793	4094.636483
5894.099413			
IN080D IN080D	1211.197938	927.2348149	1221.42667
1173.72901			
ZNF667 ZNF667	4.685485254	13.2026863	127.6783727
31.11088942			
CHTF18 CHTF18	2328.686171	2400.857725	1670.533114
1765.778663			
TMSB15A TMSB15A	26.94154021	10.15591254	1.785711506
16.96957604			
GPR27 GPR27	99.56656164	55.85751897	12.49998054
59.39351616			
WDR5B WDR5B	178.0484396	109.6838554	696.4274874
689.1533383			
BRWD3 BRWD3	372.4960777	112.7306292	319.6423596
198.9211414			
CENPM CENPM	5426.963295	7040.078573	2511.603233

2825.434411					
TAC3	TAC3	7.028227881	0	2.678567259	1.885508449
PUSL1	PUSL1	1642.262581	2048.447559	1180.355306	
1263.290661					
GGT6	GGT6	1.171371313	2.031182508	0	0
MYOF	MYOF	1947.990494	1235.974556	565.1776917	
459.1213074					
DNAJB12	DNAJB12	3541.055481	3992.28922	3111.602299	
3078.092544					
ZDHHC13	ZDHHC13	3359.492927	3593.161857	2009.8183	
2503.955221					
AHCTF1	AHCTF1	5247.743484	3787.139786	5758.026751	
4781.649428					
NR1D2	NR1D2	837.5304891	467.1719769	4209.814876	
2931.022885					
VPS52	VPS52	70.28227881	0	0	81.07686333
GIMAP7	GIMAP7	15210.25651	13553.06529	23283.89233	
20058.03889					
NRN1	NRN1	55.05445173	42.65483267	26.78567259	
31.11088942					
ANO2	ANO2	2.342742627	0	0	0.942754225
CCDC36	CCDC36	2.342742627	1.015591254	0	0
NCR1	NCR1	4.685485254	0	0.892855753	0
TOR1AIP2	TOR1AIP2		1882.393701	1103.947693	
1270.533737		1268.004432			
DNAL1	DNAL1	230.7601488	191.946747	158.0354683	
181.9515654					
SCARNA23	SCARNA23		12.88508445	4.062365016	0
1.885508449					
GUSBP2	GUSBP2	36.31251072	18.28064257	58.03562395	
28.28262674					
SLC35C2	SLC35C2	3169.730774	3972.992986	3708.922798	
2819.777886					
BCL7B	BCL7B	5869.741652	7507.25055	5308.027452	
4494.109389					
DNAJA1	DNAJA1	21518.09103	29174.88996	34515.12484	
26757.25041					
UHMK1	UHMK1	10905.46693	7234.056503	5854.455173	
8460.276413					
FZD6	FZD6	1493.498425	1464.482588	527.67775	
634.4735932					
SNORD116-20	SNORD116-20		0	1.015591254	0.892855753
0					
SNORD116-18	SNORD116-18		0	3.046773762	1.785711506
2.828262674					
SNORD116-17	SNORD116-17		2.342742627	1.015591254	
5.357134518		7.542033798			
SNORD116-24	SNORD116-24		0	0	0.942754225
SNORD116-25	SNORD116-25		1.171371313	0	0.892855753
3.771016899					

SNORD116-26	SNORD116-26	1.171371313	0	2.678567259
9.427542247				
SNORD116-27	SNORD116-27	0	0	0.942754225
SNORD116-11	SNORD116-11	0	0	0.892855753
POMK	POMK	331.4980817	255.928996	117.8569594
161.2109724				
NR1H2	NR1H2	4235.678669	6593.218421	8865.164772
6124.131444				
LTA4H	LTA4H	3514.11394	4046.115556	3251.780653
4091.553335				
NCOA5	NCOA5	4357.501286	4765.154164	4349.100373
3981.251091				
KIAA1524	KIAA1524	1508.033367	3673.420439	3136.145793
1688.472816				
DIABLO	DIABLO	3637.107928	4609.768702	5413.384431
4318.757103				
AATF	AATF	6142.671168	8358.316021	6809.810828
6339.079407				
TOR3A	TOR3A	5589.783908	7158.90275	4717.849799
5102.185864				
OCLM	OCLM	12.88508445	10.15591254	3.571423012
14.14131337				
SLC6A20	SLC6A20	3.51411394	12.18709505	34.82137437
15.0840676				
MST4	MST4	4346.958944	3762.765596	4022.315167
4348.925239				
SDF4	SDF4	7291.786426	9266.254602	7772.30933
7103.653083				
DNAJC27	DNAJC27	161.6492413	77.18493531	541.9634421
262.0856745				
FAM21C	FAM21C	2420.053134	1920.483061	3283.030604
3436.339149				
COX15	COX15	3870.21082	4716.405784	3384.81616
3579.637791				
MED9	MED9	1021.435785	1127.306292	1456.247733
1108.678968				
FAM57B	FAM57B	5.856856567	3.046773762	3.571423012
2.828262674				
COPB2	COPB2	13699.18751	15911.26818	11408.91081
12607.45225				
CCDC135	CCDC135	2.342742627	0	0
AP1S2	AP1S2	1905.821127	2354.140527	2407.13911
2075.944803				
ACSS2	ACSS2	985.1232746	1523.386881	1640.176018
1412.245829				
SF3B5	SF3B5	5457.418949	7585.451077	5617.848398
4771.279131				
ENOX2	ENOX2	1453.6718	1169.961125	1441.962041
1697.900359				
DDX58	DDX58	2934.28514	3172.707078	7544.631113

5898.813184					
SLC16A3	SLC16A3	248.3307185	105.6214904	42.85707615	
115.0160154					
ZNF596	ZNF596	193.2762667	176.7128782	224.106794	
219.6617344					
CEP170	CEP170	1338.877411	1044.027809	1399.997821	
1469.753836					
KCTD19	KCTD19	2.342742627	8.124730032	19.64282657	
15.0840676					
NRAS	NRAS	10953.49315	8954.468087	4231.243414	
6154.299579					
ZNF142	ZNF142	1789.855367	1530.49602	1809.818611	
1742.209807					
SLC52A1	SLC52A1	19.91331233	45.70160643	91.96414256	
49.96597391					
NRXN3	NRXN3	0	2.678567259	1.885508449	
TSPAN14	TSPAN14	14810.81889	12289.66977	10016.05584	
10576.75965					
MEFV	MEFV	8.199599194	0	28.5713841	5.656525348
DNMT1	DNMT1	12477.44723	12322.16869	7594.631035	
10646.52346					
ACAD10	ACAD10	1327.163698	1329.408952	1634.818884	
1774.263451					
TMEM151B	TMEM151B		1.171371313	2.031182508	0
0					
ZNF727P	ZNF727P	0	3.571423012	2.828262674	
TCF3	TCF3	2882.744802	2801.000679	1598.211798	
2037.29188					
CMPK1	CMPK1	10964.03549	10316.37596	9025.878807	
10593.72922					
CYP4F12	CYP4F12	0	18.74997081	16.02682182	
C12orf10	C12orf10		2080.355453	2660.849086	
1808.925756		2016.551287			
LRRC61	LRRC61	2368.512796	3901.901598	1633.926028	
1383.963202					
MIS12	MIS12	2300.57326	2211.957751	3729.45848	
3442.938429					
LCE3A	LCE3A	0	0	1.885508449	
CAPRIN2	CAPRIN2	283.4718579	235.6171709	770.5345149	
793.7990572					
MAN1A1	MAN1A1	9178.865612	7663.651603	3579.458714	
4587.442057					
ZYG11B	ZYG11B	1071.804752	979.0299689	1458.9263	
1511.235022					
THNSL2	THNSL2	8.199599194	0	15.1785478	21.68334717
SLC50A1	SLC50A1	1745.343257	2034.229282	2696.424374	
2413.450815					
POLD1	POLD1	9397.912048	10513.40066	5358.92023	
7026.347237					
HYKK	HYKK	33.96976809	39.60805891	104.4641231	

62.22177883				
MIR7152	MIR7152	0	0	0
				1.885508449
MIR6511A2	MIR6511A2		0	0
				1.785711506
0.942754225				
FAM90A1	FAM90A1	4.685485254	17.26505132	3.571423012
				1.885508449
ENPP1	ENPP1	9.370970508	11.17150379	24.99996108
				4.713771124
ARHGEF11	ARHGEF11		586.857028	695.680009
				749.9988325
				604.305458
PYROXD1	PYROXD1	6440.199481	5443.569122	3666.065722
				6223.120637
IMP3	IMP3	5002.92688	7735.758582	7241.060157
				6058.138648
N4BP3	N4BP3	132.3649584	213.2741634	202.6782559
				167.810252
LDHC	LDHC	0	8.124730032	0
				0
CELSR2	CELSR2	56.22582305	25.38978135	10.71426904
				49.02321969
BAIAP3	BAIAP3	1017.921671	1655.413744	1153.569633
				1255.748627
ANKS1A	ANKS1A	612.6271969	567.715511	659.8204015
				663.6989742
C12orf4	C12orf4	2176.4079	1950.950799	1343.747908
				1602.682182
AVEN	AVEN	842.2159744	1173.007898	651.7846997
				639.1873644
EPHA6	EPHA6	0	0	2.678567259
				0
SLC9A9	SLC9A9	2376.712395	1047.074583	701.7846219
				949.3535043
ENGASE	ENGASE	809.4175776	559.590781	740.1774193
				818.3106671
COR07-PAM16	COR07-PAM16		11151.4549	13099.09599
				5838.383769
				6167.498138
CTSZ	CTSZ	120.6512453	108.6682642	120.5355267
				109.3594901
GPR137	GPR137	1878.879587	1742.754592	1525.890482
				1606.453199
RPH3AL	RPH3AL	72.62502143	88.3564391	93.74985407
				98.04643937
SLC16A4	SLC16A4	48.02622385	19.29623383	41.96422039
				17.91233027
ARHGEF33	ARHGEF33		33.96976809	46.71719769
				8.92855753
				7.542033798
PPP2R4	PPP2R4	2191.635727	900.8294423	577.6776722
				656.1569404
B4GALNT1	B4GALNT1		55.05445173	60.93547524
				103.5712674
				59.39351616
HSDL2	HSDL2	2398.96845	2073.837341	1699.104498
				1970.35633

SEPT5-GP1BB	SEPT5-GP1BB	3.51411394	1.015591254		
34.82137437	40.53843166				
AG02 AG02	2963.569423	2955.370549	2391.067707		
1947.730228					
IFIT3 IFIT3	1805.083194	3685.580661	67660.60896		
30516.95425					
SSBP4 SSBP4	4368.043628	4034.944052	1760.711545		
2212.644165					
GSTM3 GSTM3	418.1795589	896.7670773	2797.317074		
969.151343					
MORC4 MORC4	384.2097908	564.6687373	769.6416591		
806.0548621					
RAPGEF4-AS1	RAPGEF4-AS1	0	2.031182508	0	0
MAML2 MAML2	345.5545375	256.9445873	1074.998327		
1268.004432					
CARD11 CARD11	4896.33209	3417.46457	2859.816977		
4399.833967					
LOC100130880	LOC100130880	0	0	0	5.656525348
EDN3 EDN3	3.51411394	12.18709505	0	10.37029647	
CARD16 CARD16	2156.494588	2564.367916	2364.282034		
2127.796285					
NTPCR NTPCR	1171.371313	1175.039081	865.1772247		
989.891936					
KLRC3 KLRC3	0	19.29623383	57.14276819	0	
ACAA2 ACAA2	10126.505	15188.1672	6518.739853		
6642.646267					
TSNAX TSNAX	3168.559403	3119.896332	4266.957644		
3768.188636					
XBP1 XBP1	8201.941937	9927.404508	17233.00889		
13915.99511					
KCND3 KCND3	0	2.031182508	0	0	
KIF11 KIF11	13430.94348	10766.28288	3185.709327		
5701.777551					
TMCC1-AS1	TMCC1-AS1	35.1411394	44.68601518		
8.92855753	41.48118589				
BBS9 BBS9	449.8065844	530.1386346	707.1417564		
450.6365194					
ARL5A ARL5A	6182.497792	5669.03038	4137.49356		
5014.509721					
KIAA1191	KIAA1191	2855.803262	3109.74042		
3625.887213	3423.14059				
CCDC24 CCDC24	25.7701689	23.35859884	47.32135491		
32.99639787					
SEL1L SEL1L	8854.395758	6128.077627	6041.062025		
6703.925292					
MIR141 MIR141	0	0	7.142846024	0	
RPS7P5 RPS7P5	1.171371313	0	0	0	
LOC440700	LOC440700	2.342742627	2.031182508		
15.1785478	14.14131337				
FLJ44511	FLJ44511	0	0	12.49998054	0

EGLN2	EGLN2	7068.054505	7777.397824	8242.844312	
6453.152668					
WDR78	WDR78	35.1411394	62.96665775	91.07128681	
70.70656685					
RNASE7	RNASE7	0	0	11.60712479	0
KIAA0319L	KIAA0319L			3269.297336	3135.130201
2736.602883		3771.016899			
TNIP3	TNIP3	1702.002518	875.439661	968.748492	
1218.038458					
PREX2	PREX2	0	0	3.571423012	0
MRM1	MRM1	720.3933578	1117.150379	855.3558114	
835.2802431					
C6orf1	C6orf1	1240.482221	1473.62291	2039.28254	
1624.365529					
LPHN1	LPHN1	73.79639275	53.82633646	110.7141134	
83.905126					
EAF1	EAF1	1664.518636	1760.019643	1450.890599	
1263.290661					
LINC00673	LINC00673		71.45365012	47.73278894	
47.32135491		86.73338867			
SNORD109B	SNORD109B		0	1.015591254	1.785711506
		1.885508449			
TFAMP1	TFAMP1	0	1.015591254	0	0
MYBPC1	MYBPC1	0	0	0.892855753	0
APOLD1	APOLD1	554.0586313	420.4547792	252.6781781	
350.7045716					
ER01L	ER01L	8328.450039	9213.443857	4646.421339	
5711.205093					
ANXA10	ANXA10	0	1.015591254	11.60712479	3.771016899
HIP1R	HIP1R	2268.946234	2253.596993	3666.958578	
2644.4256					
SAA2-SAA4	SAA2-SAA4		0	1.015591254	0
SMC5	SMC5	4044.745145	3554.569389	3484.816004	0
4168.859182					
PDK2	PDK2	2238.49058	3175.753851	2965.173956	
2239.041284					
TRIOBP	TRIOBP	3641.793414	3952.681161	2337.496361	
2393.652977					
SERPINB5	SERPINB5		0	0	17.85711506
PHKA1	PHKA1	1043.69184	477.3278894	274.9995719	0
302.6241061					
SLC25A3	SLC25A3	21070.62719	25138.93031	16016.93935	
17300.48278					
APOBEC3B-AS1	APOBEC3B-AS1		823.4740334	1109.025649	
488.3920969		355.4183427			
LINC01030	LINC01030		0	0	0
FLJ38122	FLJ38122		0	0	2.828262674
92.38991402					316.0709366
AOC3	AOC3	9.370970508	6.093547524	8.92855753	0
TMSB4Y	TMSB4Y	93.70970508	0	0	60.33627038

ITGA3	ITGA3	201.4758659	114.7618117	396.4279543
404.4415624				
HDC	HDC	87.85284851	19.29623383	0 49.02321969
HTT	HTT	2020.615516	1471.591727	911.6057238
1376.421168				
MED14	MED14	2621.529	2340.937841	1888.389918
2041.062897				
STX3	STX3	358.4396219	943.484275	1266.069458
795.6845657				
OASL	OASL	3099.448495	3067.085587	7961.59475
5143.66705				
SLC7A14	SLC7A14	0 0	1.785711506	0
MYH15	MYH15	7.028227881	2.031182508	0 13.19855915
SLC37A3	SLC37A3	2005.387689	2627.334574	3020.531013
3524.015292				
CNOT1	CNOT1	24567.17056	12360.76115	11999.08847
13493.64122				
MBD4	MBD4	2854.631891	2947.245819	3441.958928
3174.253475				
TSG101	TSG101	7039.941594	6697.82432	5094.634927
5943.122633				
PTK6	PTK6	36.31251072	12.18709505	40.17850889
50.90872813				
WISP1	WISP1	0 0	14.28569205	7.542033798
WISP3	WISP3	0 0	0 0.942754225	
GGH	GGH	3392.291324	4413.75959	1327.676505
1472.582099				
TPP2	TPP2	10930.06573	8471.04665	5481.241468
7084.797999				
HTR3A	HTR3A	0 0	0 1.885508449	
DSC1	DSC1	4.685485254	0 0	16.96957604
SMC6	SMC6	3486.001029	3625.660777	1957.139811
2540.722636				
SMPD4	SMPD4	11489.98121	14275.15067	9506.235203
9331.381316				
CHST15	CHST15	37.48388203	45.70160643	5.357134518
131.0428372				
SEMA4B	SEMA4B	898.4417974	849.0342884	976.7841938
977.636131				
ANXA2P2	ANXA2P2	119.479874	154.3698706	27.67852834
44.30944856				
DLEU7	DLEU7	9.370970508	2.031182508	10.71426904
11.3130507				
NAPEPLD	NAPEPLD	729.7643283	617.4794825	611.6061908
866.3911325				
PPP1R32	PPP1R32	120.6512453	69.06020528	77.67845051
116.9015239				
ITM2B	ITM2B	12901.48365	13641.42172	33945.48287
26716.71197				
SLC17A9	SLC17A9	78.481878	103.5903079	142.8569205

68.8210584				
TMEM132A	TMEM132A		7.028227881	7.109138778
14.28569205	2.828262674			
HOMER2 HOMER2	564.6009731		1034.887488	244.6424763
191.3791076				
SERPINE2	SERPINE2		1187.770512	1721.427176
1052.676933	937.0976994			
SERPINB1	SERPINB1		2689.468536	2142.897546
5098.20635	5937.466107			
NHLRC3 NHLRC3	1402.131462		979.0299689	1109.819701
1083.224604				
LINC00928	LINC00928	0	1.015591254	0 0
WDR86 WDR86	18.74194102	0	16.07140355	26.39711829
SIPA1L1 SIPA1L1	3189.644087		2859.904971	2644.63874
3310.010083				
MORN4 MORN4	163.9919839		91.40321286	249.1067551
223.4327513				
ELF2 ELF2	1580.179902		1008.482115	2146.42523
2052.375947				
PER3 PER3	1554.409733		939.42191	922.3199929
1263.290661				
HMGCS1 HMGCS1	1322.478213		364.5972602	758.0345343
856.9635903				
TFR2 TFR2	151.1068994		262.0225435	313.3923693
145.1841506				
C17orf85	C17orf85		2837.061321	2530.853405
2145.532375	2569.005262			
CHPF CHPF	1436.10123		1492.919143	1460.712012
1504.635743				
C5orf22 C5orf22	2954.198453		3105.678055	2769.638546
3506.102962				
TMA16 TMA16	1103.431777		1269.489068	858.9272344
1007.804266				
SECTM1 SECTM1	318.6129973		431.626283	504.4635005
456.2930448				
RALA RALA	3842.097908		3664.253245	3674.101424
3267.586143				
PTPN14 PTPN14	53.88308042		36.56128515	68.74989298
74.47758375				
CST6 CST6	15.22782708		12.18709505	25.89281684
77.30584643				
CNTNAP1 CNTNAP1	36.31251072		11.17150379	17.85711506
32.99639787				
NME4 NME4	235.445634		298.5838287	612.4990466
698.5808805				
TMEM9 TMEM9	873.8429998		1040.981035	1755.35441
1156.759434				
CIITA CIITA	1704.345261		1967.200259	526.7848943
546.7974503				
TMEM179 TMEM179	3.51411394	0	0	0

FAM120B	FAM120B	3081.877926	3833.856984	4541.06436
4193.370792				
MCFD2	MCFD2	3632.422443	4052.209104	3545.530195
3947.311939				
NELL2	NELL2	2031.157858	2384.608265	7793.737868
4215.996893				
SAA2	SAA2	0	1.015591254	0
EGR2	EGR2	1803.911823	1382.219697	4426.778824
3677.684231				
PIGR	PIGR	3.51411394	1.015591254	0
SLC30A3	SLC30A3	22.25605496	2.031182508	41.07136464
20.74059294				
ATAD2	ATAD2	13108.81637	10911.51243	5237.491847
8639.399715				
TRPM7	TRPM7	5074.38053	2870.060884	4626.778512
4875.92485				
CCDC22	CCDC22	2424.738619	3469.259724	2141.068096
2433.248654				
C16orf58	C16orf58		1616.492413	1772.206738
2547.317463	2526.581322			
GALNT8	GALNT8	15.22782708	7.109138778	0
SEC61A1	SEC61A1	21507.54869	27306.20205	24.51160984
19701.67779				20108.89727
TRIM54	TRIM54	12.88508445	19.29623383	4.464278765
16.02682182				
UBC	UBC	64010.7568	81254.40946	93950.74661
81453.96502				
MFSD11	MFSD11	7563.544571	9827.876565	7453.559826
6473.893261				
NCR2	NCR2	3.51411394	13.2026863	6.249990271
2.828262674				
PLEK	PLEK	255.3589463	423.5015529	1065.176913
557.1677468				
SLC2A1	SLC2A1	5638.981503	7138.590925	3518.744523
4216.939647				
OR2C1	OR2C1	3.51411394	0	0
OR2B6	OR2B6	0	9.140321286	0
SLC38A2	SLC38A2	12818.31628	9107.822366	15233.012
13967.84659				
SORCS3	SORCS3	0	0.892855753	5.656525348
IL5	IL5	4.685485254	224.4456671	135.7140745
10.37029647				
SLC7A4	SLC7A4	0	14.28569205	0
FCGRT	FCGRT	330.3267104	250.8510398	928.5699832
629.7598221				
FOXH1	FOXH1	38.65525334	7.109138778	14.28569205
41.48118589				
DDX39A	DDX39A	18003.97709	28869.19699	21874.07309
16411.46554				
KLHDC2	KLHDC2	3346.607843	3878.542999	5278.563212

4099.095369				
FEM1A FEM1A	4707.741309	5404.976654	6153.56185	
4708.114598				
VASH1 VASH1	124.1653592	114.7618117	181.2497179	
356.3610969				
EP400 EP400	569.2864583	243.741901	580.3562395	
471.3771124				
KRT73 KRT73	2.342742627	0	17.85711506	29.22538097
IFNL1 IFNL1	2.342742627	11.17150379	20.53568232	
8.484788022				
MKRN1 MKRN1	7923.155564	7906.377913	16779.43817	
15830.72894				
CCL28 CCL28	290.5000857	205.1494333	176.7854391	
213.0624548				
SCYL3 SCYL3	1403.302834	1600.571816	2381.246293	
1688.472816				
PHYKPL PHYKPL	2319.315201	2569.445873	2473.210436	
2265.438402				
ZNF709 ZNF709	139.3931863	160.4634181	533.0348846	
392.1857575				
MON1A MON1A	1064.776524	1606.665364	1297.319409	
1230.294263				
TBRG4 TBRG4	6890.006066	9926.388917	8357.129848	
7534.491764				
MCM3AP-AS1	MCM3AP-AS1	1247.510449	910.9853549	
1101.783999	1275.546466			
PL0D2 PL0D2	12.88508445	11.17150379	20.53568232	
14.14131337				
ZBED6CL ZBED6CL	1871.851359	1083.635868	781.2487839	
879.5896917				
KLHDC7B KLHDC7B	433.407386	298.5838287	684.8203626	
810.7686333				
KANSL1L KANSL1L	685.2522184	434.6730567	362.4994357	
697.6381263				
TFCP2L1 TFCP2L1	21.08468364	1.015591254	12.49998054	
3.771016899				
FAM19A2 FAM19A2	1.171371313	7.109138778	49.10706642	
7.542033798				
LCN12 LCN12	1.171371313	1.015591254	0	1.885508449
RNF180 RNF180	0	0	1.785711506	0
MBLAC1 MBLAC1	147.5927855	193.9779295	231.24964	
172.5240231				
MGAT2 MGAT2	5398.850384	5891.444865	5186.599069	
4764.679852				
CUL7 CUL7	1634.062982	1095.822963	1500.890521	
1602.682182				
CLCN7 CLCN7	3400.490923	3739.406997	5585.705591	
3800.24228				
SEC31A SEC31A	9649.75688	12002.25744	13782.1214	
12236.00708				

JUP	JUP	156.963756	184.8376082	26.78567259
57.50800771				
PPCS	PPCS	2446.994674	2937.089907	3718.744211
3296.811524				
IQCE	IQCE	651.2824503	795.2079519	274.1067162
495.8887222				
SAP30L	SAP30L	1283.82296	1239.02133	1297.319409
1277.431974				
STS	STS	230.7601488	491.546167	173.2140161
286.5972843				
WASF1	WASF1	85.51010588	20.31182508	166.9640258
91.4471598				
ATP50	ATP50	12895.62679	15880.80044	8475.879664
8777.984586				
TTC1	TTC1	4831.906668	5914.803464	4927.670901
4742.05375				
AGAP9	AGAP9	14.05645576	5.07795627	33.92851862
37.71016899				
RAB9A	RAB9A	726.2502143	954.6557788	1144.641075
1197.297865				
S0X6	S0X6	1.171371313	1.015591254	4.464278765
3.771016899				
VTRNA1-1	VTRNA1-1		5.856856567	7.109138778
11.60712479	16.02682182			
PLEKHG4B	PLEKHG4B		2.342742627	7.109138778
2.678567259	0			
EFCAB11	EFCAB11	306.8992841	413.3456404	295.5352543
241.3450815				
CCDC117	CCDC117	4558.977152	3335.201678	3229.459259
3251.559321				
ASCC3	ASCC3	5631.953275	4126.347265	4045.529417
4545.018117				
MRAP	MRAP	108.9375322	109.6838554	107.1426904
79.19135488				
LIPH	LIPH	0	5.07795627	0
ZNF513	ZNF513	685.2522184	566.6999198	544.6420093
636.3591017				
TBC1D20	TBC1D20	2786.692355	2549.134048	3197.316452
2893.312716				
GNB3	GNB3	104.2520469	59.91988399	35.71423012
62.22177883				
ANKS6	ANKS6	189.7621528	160.4634181	585.713374
716.4932108				
OSCAR	OSCAR	10.54234182	1.015591254	17.85711506
8.484788022				
KIRREL2	KIRREL2	21.08468364	18.28064257	58.9284797
6.599279573				
CEMP1	CEMP1	261.2158029	239.679536	554.4634226
430.8386807				
FGFBP3	FGFBP3	80.82462063	43.67042392	165.1783143

105.5884732					
AMER1	AMER1	4.685485254	10.15591254	12.49998054	
3.771016899					
APOBEC3A	APOBEC3A	0	1.015591254	0	0
SKP2	SKP2	2054.585284	2176.412057	1589.28324	
1670.560486					
PLD2	PLD2	557.5727452	398.1117716	566.9634032	
657.0996946					
ZNF160	ZNF160	1262.738276	1261.364338	3937.493871	
3070.55051					
NXT1	NXT1	2260.746635	3324.030175	3611.601521	
2861.259072					
COTL1	COTL1	65907.20695	60865.39945	22158.00122	
36833.40756					
IL22RA1	IL22RA1	5.856856567	0	11.60712479	0
GPBP1L1	GPBP1L1	6334.776063	4659.532674	7556.238238	
7241.2952					
LGR6	LGR6	0	4.062365016	23.21424958	14.14131337
PTPN9	PTPN9	3989.690694	5210.998725	1870.532803	
3298.697032					
IRF7	IRF7	5947.052158	6007.222268	8498.201057	
6863.250756					
SEMA4F	SEMA4F	504.8610361	609.3547524	1014.284135	
984.2354106					
DSTYK	DSTYK	1635.234354	1469.560545	2382.139149	
2334.25946					
GGPS1	GGPS1	1679.746464	1691.975029	3006.24532	
2769.811912					
ZNF28	ZNF28	1747.686	1626.977189	2341.067784	
1923.218618					
C12orf29	C12orf29		1287.337073	1387.297653	
1528.569049		1693.186588			
AIDA	AIDA	2110.811107	1020.66921	1240.176641	
1126.591299					
LOC100862671	LOC100862671		46.85485254	32.49892013	
73.21417175		35.82466054			
TPSB2	TPSB2	0	0	8.035701777	0
TADA3	TADA3	9170.666013	9921.310961	3882.136814	
5225.686668					
ANAPC11	ANAPC11	6913.433492	9387.109961	5161.599108	
5061.647432					
SNORD116-9	SNORD116-9		0	2.031182508	0
0.942754225					
UBE2K	UBE2K	3392.291324	2852.795833	2018.746858	
2529.409585					
ZDBF2	ZDBF2	326.8125965	312.8021062	456.2492898	
656.1569404					
PPP1R15A	PPP1R15A		2295.887774	3981.117716	
8834.807676		3670.142197			
MRPL23	MRPL23	2889.77303	3915.104284	1815.175746	

1829.88595				
PMAIP1	PMAIP1	4069.343943	6465.253923	7226.774465
5720.632636				
SMIM20	SMIM20	691.1090749	795.2079519	1211.605257
732.5200326				
DFFA	DFFA	3286.867906	4251.264989	2990.173917
3274.185422				
CTNNA2	CTNNA2	0	0	0.892855753
0				0
PPP3R1	PPP3R1	769.5909529	313.8176975	266.0710144
386.5292321				
RNF8	RNF8	1409.15969	1926.576609	1189.283863
1670.560486				
KIF22	KIF22	12798.40297	16659.75893	9474.092395
9651.917753				
OST4	OST4	9810.23475	11003.93124	8612.486594
8109.571841				
NCOA4	NCOA4	17897.3823	20953.67875	18430.32845
18184.78624				
HMGB3	HMGB3	3323.180416	3406.293066	744.641698
1075.68257				
UQCC1	UQCC1	2715.238705	3822.68548	2832.138449
2515.268272				
CCDC101	CCDC101	1096.403549	1239.02133	1565.176135
1378.306677				
PPM1K	PPM1K	2561.789063	2582.648559	4984.813669
4176.401215				
IGSF11	IGSF11	0	4.062365016	27.67852834
1.885508449				
DUSP18	DUSP18	1080.004351	962.7805088	733.0345732
881.4752001				
APBB1	APBB1	2008.901803	2130.710451	5487.491458
4058.556937				
APAF1	APAF1	2615.672143	1625.961598	970.5342035
1401.875532				
PPP1R12B	PPP1R12B		614.9699396	462.0940206
573.2133934	513.8010525			
GCLC	GCLC	1803.911823	2144.928729	3018.745301
1498.036463				
FJX1	FJX1	5.856856567	2.031182508	17.85711506
27.33987252				
FKBP3	FKBP3	5547.614541	5543.097065	3054.459531
3896.403211				
CHML	CHML	949.9821352	547.4036859	830.3558503
565.6525348				
NT5E	NT5E	145.2500429	313.8176975	623.2133156
433.6669434				
LIMK2	LIMK2	5354.338274	4881.947158	3052.67382
4019.904014				
UCP2	UCP2	29027.75252	38877.8488	18091.93612
23290.74312				
SERINC5	SERINC5	2340.399884	971.9208301	2134.818105

1629.0793					
PTPN13	PTPN13	1602.435957	210.2273896	224.106794	
1063.426765					
NSUN4	NSUN4	1324.820956	1526.433655	1748.211564	
1743.152562					
ELOVL3	ELOVL3	7.028227881	8.124730032	41.96422039	
18.85508449					
LPAR6	LPAR6	865.6434006	1029.809532	1163.391046	
1331.168965					
TNK2	TNK2	388.8952761	205.1494333	225.8925055	
265.8566914					
WFS1	WFS1	292.8428284	561.6219635	393.7493871	
560.9387637					
SNORA70	SNORA70	173.3629544	218.3521196	327.6780614	
326.1929618					
TET2	TET2	2818.31938	2489.214164	2009.8183	
2113.654972					
SOWAHC	SOWAHC	32.79839678	3.046773762	46.42849916	
124.4435577					
PIK3C2G	PIK3C2G	0	0	1.885508449	
AGAP11	AGAP11	0	3.046773762	0	0.942754225
FAM228A	FAM228A	1.171371313	0	11.60712479	1.885508449
BAG5	BAG5	3381.748982	3298.640393	4620.528522	
4200.912825					
DOK1	DOK1	3601.966789	5354.197091	2362.496323	
2082.544082					
ASPDH	ASPDH	0	0	1.785711506	0
XRCC1	XRCC1	2940.141997	2176.412057	1956.246955	
3021.52729					
KCP	KCP	5.856856567	0	20.53568232	5.656525348
CXorf22	CXorf22	0	0	0.942754225	
GABPB1-AS1	GABPB1-AS1	1349.105043	1470.070998	1290.816484	
1308.542864					
LRRC59	LRRC59	7748.621239	5744.184133	3131.245126	
3298.697032					
PAN3	PAN3	968.7240762	375.768764	616.9633253	
870.1621494					
TAF9	TAF9	6412.08657	7943.954789	6090.169091	
6170.326401					
AK6	AK6	4161.882277	4900.227801	4209.814876	
4187.714266					
ZNF585A	ZNF585A	483.7763525	478.3434807	1629.461749	
1189.755832					
ARSE	ARSE	0	1.015591254	0	0
ATP5J	ATP5J	9520.906036	10070.60288	6497.311315	
6857.594231					
KIF2A	KIF2A	8306.193984	9130.165374	8550.879547	
9604.780041					
PPP1R14A	PPP1R14A		0	2.031182508	0.892855753
0.942754225					

FXYD6-FXYD2	FXYD6-FXYD2	9.370970508	18.28064257
20.53568232	86.73338867		
ETV7 ETV7	260.0444316	761.6934405	1568.747558
499.6597391			
SLC25A26	SLC25A26	1040.177726	1512.215377
2196.425152	1781.805485		
RAB40AL RAB40AL	2.342742627	0 0	0
GPER1 GPER1	25.7701689	5.07795627	0 0
SYNE4 SYNE4	18.74194102	23.35859884	47.32135491
38.65292321			
ARL2 ARL2	1625.863383	2132.741634	2458.031888
2430.420391			
TDGF1 TDGF1	0 2.031182508	0	2.828262674
LUC7L2 LUC7L2	9831.319434	9886.780858	9135.700065
9002.360092			
HRC HRC	0 0	0 4.713771124	
HOXB2 HOXB2	828.1595186	724.1165641	931.2485504
1115.278248			
CDC25A CDC25A	2607.472544	2008.839501	1012.498424
1148.274646			
BRI3 BRI3	227.2460348	113.7462205	346.4280322
206.4631752			
SETD1A SETD1A	320.9557399	237.6483534	315.1780808
249.8298695			
DCTD DCTD	3760.101916	4069.474155	3506.244542
4740.168242			
ARHGAP11B	ARHGAP11B	691.1090749	658.1031326
261.6067356	411.040842		
TPM2 TPM2	23.42742627	8.124730032	19.64282657
13.19855915			
ACOT8 ACOT8	2183.436128	2610.069523	1524.997626
1459.38354			
MED6 MED6	2942.484739	3719.095172	3108.030876
3003.61496			
HTATIP2 HTATIP2	3895.980989	5300.370755	5365.17022
4817.474088			
SHISA9 SHISA9	4.685485254	18.28064257	74.99988325
58.45076193			
7-Sep 7-Sep	17931.35207	17755.58189	16749.97393
20207.93681			
SPATA45 SPATA45	2.342742627	14.21827756	19.64282657
5.656525348			
CYB5RL CYB5RL	744.9921554	752.5531193	506.249212
737.2338037			
RFX5 RFX5	8034.435839	8782.833165	5393.741604
6679.413682			
KIAA0825	KIAA0825	128.8508445	134.0580455
71.42846024	46.19495701		
C2CD4D C2CD4D	162.8206126	259.991361	283.0352737
318.650928			

MEF2A	MEF2A	1735.972287	1830.09544	2299.99642	
1589.483623					
LIMS2	LIMS2	543.5162894	944.4998663	276.7852834	
428.9531722					
SLC1A5	SLC1A5	11664.51554	15746.74239	9180.342853	
9250.304453					
PDHX	PDHX	2680.097565	3180.831808	2115.175279	
2129.681794					
LOC102723859	LOC102723859		69.11090749	30.46773762	
64.28561422	82.01961755				
ATP6V1E1	ATP6V1E1		5254.771712	7001.486105	
6683.918167	5840.362422				
ATP6V1B1	ATP6V1B1		1.171371313	0	5.357134518
	1.885508449				
FKBP14	FKBP14	147.5927855	118.8241767	178.5711506	
221.5472428					
LAX1	LAX1	2886.258916	3040.680215	2562.496011	
2801.865556					
C17orf80	C17orf80		2049.899799	2401.873316	
1862.497101	1677.159766				
PSTPIP2	PSTPIP2	491.9759517	1489.87237	1764.282968	
1539.517649					
TRNAU1AP	TRNAU1AP		2223.262753	2628.350165	
1772.31867	1893.993237				
SPATS2L	SPATS2L	3374.720754	2742.096386	2496.424685	
3330.750676					
RAB20	RAB20	19.91331233	70.07579653	349.1065994	
178.1805485					
RBM15	RBM15	1984.303005	1881.890594	2103.568154	
1840.256247					
LOC101928471	LOC101928471		0	0	3.571423012
LOC101927583	LOC101927583		0	0	1.885508449
EIF4G2	EIF4G2	99974.19886	92380.21165	69597.21309	
72607.15937					
CCBL1	CCBL1	826.9881473	822.6289158	412.4993579	
554.3394841					
LOC101929718	LOC101929718		1335.363297	1332.455725	
1466.962002	1282.145746				
SP110	SP110	4323.531518	4601.643972	8004.451826	
6904.731942					
SNORA34	SNORA34	9.370970508	18.28064257	10.71426904	
12.25580492					
SNORA31	SNORA31	63.25405093	56.87311023	122.3212382	
74.47758375					
SNORA29	SNORA29	35.1411394	8.124730032	45.5356434	
39.59567744					
SNORA69	SNORA69	3.51411394	0	1.785711506	0
ZNF639	ZNF639	1466.556884	1321.284222	2133.92525	
1787.46201					
ATL1	ATL1	171.0202118	66.01343151	23.21424958	

178.1805485				
KCTD21	KCTD21	434.5787573	811.457412	531.2491731
529.8278743				
ECD	ECD	3610.166388	3906.979554	4061.600821
3571.153003				
ITIH4	ITIH4	86.6814772	62.96665775	114.2855364
158.3827098				
BUD13	BUD13	2405.996678	2547.102865	2343.746352
2618.971236				
HPCA	HPCA	3.51411394	0	0.892855753
				4.713771124
HOXA4	HOXA4	0	0	5.357134518
				9.427542247
VDAC2	VDAC2	8826.282847	12183.03268	8080.344565
8059.605867				
ASCL4	ASCL4	0	9.140321286	0
BACE2	BACE2	19.91331233	23.35859884	5.357134518
19.79783872				
LRRC14	LRRC14	2944.827482	3440.823169	3685.708549
3283.612965				
LRWD1	LRWD1	2564.131805	3357.544686	2022.318281
1933.588915				
CEP41	CEP41	1774.62754	1457.37345	1393.74783
1066.255028				
TGM5	TGM5	0	9.140321286	38.39279738
				11.3130507
HSPB11	HSPB11	3249.384024	3288.484481	2315.174968
2479.443611				
PLAC8L1	PLAC8L1	2.342742627	4.062365016	2.678567259
8.484788022				
PTPN4	PTPN4	3102.962609	3116.849559	2798.20993
2586.917593				
GCC1	GCC1	2532.50478	2500.385667	4220.529145
3961.453252				
C1orf123	C1orf123		1953.847351	2234.300759
2074.103914		2121.197006		
ULK4	ULK4	340.8690522	575.840241	601.7847775
352.59008				
MICB	MICB	172.1915831	155.3854619	74.99988325
94.27542247				
RPS4Y2	RPS4Y2	32.79839678	0	0
				14.14131337
FBF1	FBF1	701.6514168	457.0160643	744.641698
644.8438897				
CATSPER1	CATSPER1		3.51411394	4.062365016
15.1785478		28.28262674		
PCGF1	PCGF1	761.3913537	965.8272826	969.6413478
875.8186748				
KNTC1	KNTC1	5429.306038	2635.459304	1341.962197
1982.612135				
WDR48	WDR48	5564.013739	6211.35611	6033.919179
6887.762366				
CBX2	CBX2	312.7561407	258.9757698	64.28561422
181.9515654				

LINC00176	LINC00176	78.481878	166.5569657
58.9284797	56.56525348		
CNNM4 CNNM4	1399.78872	910.9853549	744.641698
1152.045663			
TAC1 TAC1	3.51411394	1.015591254	76.78559476
57.50800771			
MYCBP MYCBP	5371.908844	5972.692165	3210.709288
4442.257907			
PCYOX1 PCYOX1	1213.540681	1638.148693	2755.352854
2872.572123			
MMD MMD	1133.887431	1396.437974	992.8555974
657.0996946			
PIGN PIGN	2880.40206	2543.0405	2158.032355
2153.250649			
B4GALT3 B4GALT3	4787.394558	5749.262089	6207.133195
5095.586585			
AK3 AK3	3409.861893	3151.379661	2252.675065
2851.83153			
RPL21 RPL21	23163.86772	24781.44219	41508.86396
36569.43638			
ARHGEF39	ARHGEF39	2601.615687	2896.466257
1882.139927	2386.110943		
BTBD7 BTBD7	756.7058685	517.9515396	712.4988909
987.0636733			
AMBRA1 AMBRA1	2195.149841	1977.356172	1891.961341
1987.325906			
TRIM61 TRIM61	112.4516461	80.23170907	54.46420093
129.1573288			
FOXK1 FOXK1	928.8974516	635.760125	1325.890793
1268.947186			
ZNF611 ZNF611	1754.714228	1450.264311	2040.175396
2341.801494			
SPDYE4 SPDYE4	1.171371313	1.015591254	0 0
FAM229B FAM229B	134.707701	197.0247033	345.5351764
211.1769463			
RCHY1 RCHY1	1512.240366	1564.010531	1491.961963
1665.846715			
EIF1AX EIF1AX	2605.129801	4821.011683	5392.848748
3612.634189			
PLS1 PLS1	439.2642425	504.7488533	440.1778862
447.8082567			
EXT1 EXT1	946.4680213	1150.664891	610.7133351
999.3194782			
MXRA8 MXRA8	15.22782708	10.15591254	8.035701777
7.542033798			
RIBC1 RIBC1	38.65525334	52.81074521	95.53556557
45.25220279			
UNC45B UNC45B	50.36896648	15.23386881	3.571423012
5.656525348			
PRIMA1 PRIMA1	1.171371313	0 0	0

LOC101927697	LOC101927697	0	0	0	0.942754225
SLC9A6 SLC9A6	1974.932034	1440.108398		1816.961457	
1497.093709					
C19orf54	C19orf54	917.1837384		1019.653619	
597.3204988	528.8851201				
ARHGAP12	ARHGAP12	706.336902		559.590781	
1416.96208	1199.183374				
GPR157 GPR157	62.08267961	158.4322356		69.64274874	
82.01961755					
TYW1 TYW1	1611.806927	1918.451879		2049.103953	
1877.023661					
TOE1 TOE1	2222.091382	2978.729148		2995.531051	
2764.155387					
HSD11B1 HSD11B1	89.02421982	139.1360018		106.2498346	
49.96597391					
AKT3 AKT3	256.5303176	847.0031059		519.6420483	
366.7313934					
LOC101928861	LOC101928861	17.5705697		4.062365016	
12.49998054	12.25580492				
FAIM FAIM	400.6089892	435.688648		336.6066189	
430.8386807					
URGCP URGCP	2457.537016	2857.873789		3319.63769	
3311.895591					
PPT1 PPT1	14657.36925	19543.0225		16005.33223	
15515.84903					
SUFU SUFU	1506.383509	950.5934138		661.606113	
890.9027424					
NUP210 NUP210	26152.03594	15003.3296		11701.7675	
14880.43268					
LSR LSR	364.2964785	741.3816155		4066.065099	
3387.315929					
TCF7L1 TCF7L1	3.51411394	1.015591254		25.89281684	
5.656525348					
PSME1 PSME1	26129.77989	33045.30822		40366.00859	
35682.30465					
FAM213A FAM213A	310.4133981	317.8800625		790.1773414	
726.8635073					
SLC22A1 SLC22A1	3.51411394	10.15591254		15.1785478	0
ANKRD7 ANKRD7	0	3.571423012		1.885508449	
GTPBP8 GTPBP8	1049.548697	860.2057922		881.2486282	
991.7774444					
TLR10 TLR10	4.685485254	0	0	14.14131337	
STAT1 STAT1	93386.40659	118616.9961		197674.6923	
166115.1799					
TTC39B TTC39B	886.7280843	1017.622437		1641.068874	
1174.671764					
ACTA2 ACTA2	1061.26241	1209.569184		1830.354294	
1330.226211					
ACP2 ACP2	2265.43212	2395.779768		1367.855014	
1740.324299					

ACADSB	ACADSB	2001.873575	2186.56797	2002.675454	
2592.574118					
ACAA1	ACAA1	5689.350469	7647.402143	4732.135491	
4848.584978					
CBFB	CBFB	17087.96472	21122.2669	11565.16057	
12152.10196					
KIF5C	KIF5C	335.0121956	145.2295493	404.4636561	
421.4111384					
OCRL	OCRL	62.08267961	86.32525659	74.99988325	
70.70656685					
CHAD	CHAD	5.856856567	6.093547524	13.3928363	
6.599279573					
THBS3	THBS3	182.7339249	239.679536	43.7499319	
252.6581322					
LRAT	LRAT	4.685485254	0	0	0
HAND1	HAND1	0	1.015591254	0	0
CYP7B1	CYP7B1	22.25605496	11.17150379	6.249990271	
2.828262674					
MTA2	MTA2	4157.196791	3887.683321	2624.995914	
2838.632971					
LINC00847	LINC00847		987.4660172	961.7649176	
1874.104226	1632.850317				
FAM27E2	FAM27E2	0	1.015591254	0	0
CISD3	CISD3	2022.958258	3293.562437	1274.998015	
1416.9596					
ARL5C	ARL5C	3.51411394	0	8.92855753	0
NAF1	NAF1	249.5020898	174.6816957	179.4640064	
148.0124133					
MTSS1L	MTSS1L	4.685485254	2.031182508	9.821413283	
16.96957604					
MYOM3	MYOM3	2.342742627	4.062365016	0	0
TXNDC5	TXNDC5	7917.298708	9671.475512	5520.527121	
6011.943691					
ELMSAN1	ELMSAN1	2646.127797	1383.235288	2216.067979	
2383.28268					
MT01	MT01	3749.559574	4763.122981	4352.671796	
3798.356771					
LAMA3	LAMA3	10.54234182	0	0	13.19855915
FBXL5	FBXL5	2272.460348	2512.572763	7364.274251	
5570.734714					
USP34	USP34	3065.478727	1572.135261	2199.10372	
2363.484841					
CAPN10-AS1	CAPN10-AS1		83.16736326	107.6526729	
422.3207712	211.1769463				
SIX3-AS1	SIX3-AS1		0	13.2026863	0
EPN2	EPN2	77.31050669	104.6058992	38.39279738	0
118.7870323					
RPL7L1	RPL7L1	4201.708901	5879.25777	4907.135219	
4858.955274					
THADA	THADA	4471.124303	2932.01195	3017.852445	

4255.59257					
ZC3HAV1	ZC3HAV1	12585.21339	12676.61003	15496.40445	
12117.22005					
NLRX1	NLRX1	2060.44214	2103.289487	1125.891105	
1138.847103					
SNIP1	SNIP1	1097.574921	964.8116913	829.4629946	
1086.995621					
TTLL7	TTLL7	120.6512453	62.96665775	34.82137437	
67.87830418					
XP04	XP04	2674.240709	1852.438447	1855.354255	
2446.447213					
DOLPP1	DOLPP1	1498.18391	1911.34274	1080.355461	
1202.954391					
POLR2J3	POLR2J3	409.9799597	422.4859617	490.1778084	
380.8727068					
HIST1H3C	HIST1H3C		306.8992841	122.8865417	
26.78567259	41.48118589				
HIST1H3A	HIST1H3A		67.93953618	70.07579653	
55.35705669	42.42394011				
HIST1H3D	HIST1H3D		2172.893786	652.0095851	
274.1067162	379.9299526				
HIST1H2BC	HIST1H2BC		144.0786716	236.6327622	
135.7140745	93.33266825				
CD52	CD52	39954.30413	35852.40245	15244.61913	
19564.03567					
CPNE6	CPNE6	1.171371313	13.2026863	0.892855753	0
ZBTB47	ZBTB47	0	1.015591254	18.74997081	0
MAP2K5	MAP2K5	766.076839	628.6509863	716.9631697	
953.1245212					
ADCY7	ADCY7	7435.865098	6665.3254	3815.172633	
4490.338372					
HLA-DRB6	HLA-DRB6		48.02622385	44.68601518	
18.74997081	16.02682182				
PRSS3P2	PRSS3P2	0	0	1.785711506	3.771016899
SNORD108	SNORD108		1.171371313	1.015591254	
0.892855753	1.885508449				
TNXA	TNXA	3.51411394	0	0	0
KIAA1958	KIAA1958		216.703693	274.2096386	
296.42811	267.7421998				
GLG1	GLG1	15095.46212	13766.33945	13695.5144	
12526.37538					
SNAP91	SNAP91	0	0	1.785711506	0
ANXA8	ANXA8	0	0	2.678567259	0
ANKRD13D	ANKRD13D		2168.208301	1834.157805	
1750.890132	1662.075698				
SLC30A5	SLC30A5	4824.87844	4616.877841	5041.063582	
4553.502905					
TRAPPC2	TRAPPC2	1151.458001	1376.126149	1582.140394	
1758.236629					
NR2E3	NR2E3	0	0	1.885508449	

SNX16	SNX16	237.7883766	248.8198572	561.6062687
332.7922413				
PDIK1L	PDIK1L	1427.901631	1352.76755	1581.247539
1906.249042				
ST3GAL6	ST3GAL6	4.685485254	0	3.771016899
RAD51C	RAD51C	4407.870253	4723.514923	2953.566831
3020.584536				
UBE2Q2	UBE2Q2	3099.448495	3063.023222	2867.852679
3182.738263				
LINC00652	LINC00652		21.08468364	14.21827756
53.57134518	58.45076193			
LOC100507144	LOC100507144		8.199599194	0
10.37029647				12.49998054
GALNT18	GALNT18	62.08267961	50.7795627	0
TIPARP	TIPARP	2348.599483	1119.181562	81.07686333
1352.852312				1761.604401
CDK10	CDK10	2376.712395	2174.380875	2138.389529
2223.014462				
HAUS3	HAUS3	2443.48056	2225.160438	3187.495038
3392.972455				
TRIM9	TRIM9	17.5705697	8.124730032	31.24995136
14.14131337				
HSPA12B	HSPA12B	7.028227881	3.046773762	4.464278765
3.771016899				
KDM1B	KDM1B	643.0828511	118.8241767	115.1783921
479.8619004				
ANP32E	ANP32E	21091.71187	16437.34445	8858.021926
13557.74851				
ZNF235	ZNF235	412.3227023	385.9246765	587.4990855
558.110501				
SOCS6	SOCS6	278.7863726	215.3053459	91.07128681
223.4327513				
CD68	CD68	289.3287144	1134.415431	534.8205961
234.745802				
CD40	CD40	53.88308042	103.5903079	546.4277209
399.7277913				
MSX2	MSX2	0	1.015591254	8.035701777
0				0
STK17B	STK17B	13512.93947	8243.554209	8082.130276
12389.67602				
MFHAS1	MFHAS1	1354.105238	702.7891478	518.7491925
602.4199496				
ACTL8	ACTL8	9.370970508	0	0
0				0
DZIP1L	DZIP1L	14.05645576	3.046773762	0
0				0
SMAP2	SMAP2	32784.34032	42068.83652	24086.56965
28268.48543				
NBPF15	NBPF15	599.7421125	502.7176708	863.3915132
648.6149066				
C9orf91	C9orf91	2524.305181	1641.195467	1624.104615
1714.869935				
EEF1B2	EEF1B2	8141.030629	9518.121233	8274.094263

8664.854079					
ANKRD55	ANKRD55	188.5907815	159.4478269	376.7851278	
173.4667773					
RBCK1	RBCK1	5156.376522	5781.761009	6608.025428	
6375.846822					
GRID1	GRID1	0	0	2.828262674	
EPDR1	EPDR1	46.85485254	0	22.32139383	44.30944856
FOXRED1	FOXRED1	2673.069337	3584.021536	1616.961769	
1977.898363					
NME6	NME6	1515.75448	2137.81959	2047.318242	
1947.730228					
HES1	HES1	203.8186085	186.8687907	8.92855753	
23.56885562					
CYTH4	CYTH4	2846.432292	2029.151326	1463.390579	
1716.755443					
TOMM40	TOMM40	5889.654964	8323.785918	5015.170765	
5399.153445					
COPS5	COPS5	5523.015743	5917.850237	4895.528094	
5436.863614					
CTRC	CTRC	1.171371313	0	1.785711506	3.771016899
PTPDC1	PTPDC1	352.5827654	426.5483267	456.2492898	
432.7241891					
NGLY1	NGLY1	3160.359804	3658.159697	3811.60121	
4211.283122					
DESI2	DESI2	2595.758831	2321.641607	1678.568816	
2345.572511					
FBX042	FBX042	2955.369824	3536.288747	3798.208373	
3139.371568					
PSMA5	PSMA5	16954.42839	20607.36214	13916.04977	
12938.35898					
WSB2	WSB2	6557.336613	6114.874941	2401.781976	
3701.253086					
ZMPSTE24	ZMPSTE24		7269.530371	7771.304276	
4617.849955					
RAMP3	RAMP3	0	11.17150379	1.785711506	0
GDPD3	GDPD3	18.74194102	4.062365016	22.32139383	
23.56885562					
UHRF1BP1	UHRF1BP1		937.0970508	682.4773227	
449.9992995					
CBX4	CBX4	675.8812479	497.6397145	1114.28398	
765.5164305					
CHST1	CHST1	4.685485254	0	0	6.599279573
DGKD	DGKD	1863.65176	1183.163811	2047.318242	
1935.474423					
TRIB2	TRIB2	2593.416088	1303.003579	1208.033834	
1153.931171					
SENP5	SENP5	2120.182077	1892.046506	1764.282968	
1616.823495					
PPARA	PPARA	285.8146005	173.6661044	421.4279154	
349.7618174					

PCP4L1	PCP4L1	14.05645576	4.062365016	0	3.771016899
PGRMC1	PGRMC1	2721.095561	3288.484481	2151.782365	
2457.760264					
NFE2	NFE2	7.028227881	2.031182508	2.678567259	
4.713771124					
ZNF254	ZNF254	921.8692237	570.7622848	1907.139888	
1557.429979					
ZNF341	ZNF341	694.6231889	692.6332353	483.9278181	
511.915544					
METTL9	METTL9	5383.622557	6821.726453	6602.668294	
5644.269543					
MTL5	MTL5	106.5947895	119.839768	108.9284019	
169.6957604					
CD3D	CD3D	20401.77417	20529.16161	13179.44377	
15138.74734					
SAPCD1	SAPCD1	4.685485254	1.015591254	0	0.942754225
SH3RF3	SH3RF3	2.342742627	3.046773762	2.678567259	
23.56885562					
KLC2	KLC2	1980.788891	1680.803525	1552.676155	
1700.728621					
PYY2	PYY2	2.342742627	0	0	0
NOL3	NOL3	126.5081019	87.34084785	36.60708587	
62.22177883					
CDC14C	CDC14C	1.171371313	0	0	0
MY015B	MY015B	42.16936728	5.07795627	27.67852834	
104.6457189					
YOD1	YOD1	522.4316058	380.8467203	548.2134324	
704.2374059					
PPP1R3E	PPP1R3E	90.19559114	61.9510665	334.8209074	
301.6813519					
CDKL1	CDKL1	149.9355281	113.7462205	240.1781976	
215.8907175					
COL4A3	COL4A3	11.71371313	1.015591254	15.1785478	
17.91233027					
PDE4DIP	PDE4DIP	9727.067387	15357.77094	7533.023988	
6665.272369					
IPP	IPP	1924.563068	1625.961598	1517.85478	
1946.787474					
CA6	CA6	283.4718579	997.3106115	155.356901	
62.22177883					
GDF1	GDF1	0	3.046773762	0	0
LINC00901	LINC00901	0	0	0	6.599279573
KIF20B	KIF20B	3791.728942	3706.908077	1814.28289	
2621.799499					
ZNF460	ZNF460	309.2420268	283.3499599	731.2488617	
703.2946516					
2-Sep	2-Sep	20655.96174	28849.90075	29333.88291	
21947.31835					
LYSMD1	LYSMD1	91.36696245	46.71719769	84.82129654	
61.27902461					

RNF175	RNF175	1.171371313	3.046773762	26.78567259
16.96957604				
VANGL1	VANGL1	2531.333408	2681.160911	406.2493676
764.5736762				
KPNA3	KPNA3	5757.290006	3818.623115	3667.851433
4645.892819				
TIGD3	TIGD3	24.59879758	39.60805891	81.24987353
79.19135488				
GADL1	GADL1	0	1.015591254	4.464278765
0				0
ZNF483	ZNF483	21.08468364	49.76397145	55.35705669
62.22177883				
GSC	GSC	3.51411394	0	8.035701777
0				4.713771124
ZFP41	ZFP41	346.7259088	230.5392147	604.4633448
592.9924073				
CEP57L1	CEP57L1	845.7300883	970.9052389	523.2134713
703.2946516				
RARB	RARB	16.39919839	3.046773762	0.892855753
6.599279573				
MAPK11	MAPK11	108.9375322	14.21827756	23.21424958
46.19495701				
VSTM4	VSTM4	30.45565415	13.2026863	1.785711506
79.19135488				
ZFC3H1	ZFC3H1	2104.95425	1546.74548	1970.532647
2414.393569				
AP1S3	AP1S3	234.2742627	332.0983401	286.6066967
317.7081737				
ZNF276	ZNF276	2718.752819	2079.930888	2741.067162
2469.073315				
ZNF214	ZNF214	1.171371313	6.093547524	0
0				16.02682182
RPS6KA3	RPS6KA3	9130.839388	5470.990086	4963.385131
6425.812796				
RC3H2	RC3H2	3789.386199	2417.107185	2245.532219
2755.670599				
FL0T2	FL0T2	11595.40463	16138.76062	8408.022626
9960.198384				
FUT7	FUT7	1713.716232	385.9246765	529.4634615
856.020836				
FRG1	FRG1	2127.210305	2327.735154	1989.282618
2021.265058				
PDZD7	PDZD7	65.59679355	64.99784026	161.6068913
110.3022443				
FAM170B	FAM170B	3.51411394	0	0
0			0	0
INCA1	INCA1	83.16736326	99.5279429	133.0355072
150.840676				
ZBTB24	ZBTB24	2562.960434	2887.325935	2952.673975
2688.735049				
RPS13	RPS13	12459.87666	11940.30637	15032.11946
13683.13482				
NUDT14	NUDT14	206.1613512	432.6418742	406.2493676
379.9299526				

SETDB2 SETDB2	1661.004522	1283.707345	2376.782015	
2185.304293				
ZNF540 ZNF540	33.96976809	57.88870148	466.9635588	
464.7778328				
GNAL GNAL	988.6373886	850.0498796	1019.64127	
960.666555				
CCND3 CCND3	34075.19151	49276.48765	23376.74933	
23382.19028				
DLGAP2 DLGAP2	4.685485254	1.015591254	8.92855753	0
RPL41 RPL41	5935.338445	7715.446757	8399.094069	
7533.54901				
TMSB10 TMSB10	104264.932	107113.394	47857.06836	
50990.74775				
UBASH3A UBASH3A	3695.676494	4718.436966	3028.566714	
3401.457243				
OPN1LW OPN1LW	4.685485254	0 0 0		
COBLL1 COBLL1	3.51411394	0 16.07140355 0		
WDR16 WDR16	0 2.031182508 0 0			
SNORD49B	SNORD49B	131.1935871	146.2451406	
234.821063	213.0624548			
SNORD45C	SNORD45C	8.199599194	12.18709505	
8.035701777	18.85508449			
ZNF70 ZNF70	37.48388203	28.43655511	134.8212187	
95.2181767				
ZNF69 ZNF69	26.94154021	22.34300759	143.7497762	
110.3022443				
MPP7 MPP7	70.28227881	81.24730032	1899.104187	
1604.56769				
MTIF3 MTIF3	2524.305181	2897.481848	2613.388789	
2347.45802				
TNFRSF25	TNFRSF25	6877.120981	8296.364954	
6787.489435	7907.822437			
FGFR1 FGFR1	3524.656282	2767.486167	730.356006	
978.5788853				
PLEKHD1 PLEKHD1	0 0	11.60712479	5.656525348	
TCOF1 TCOF1	7433.522355	8922.984758	7544.631113	
6795.372452				
RPS3A RPS3A	16142.66807	16691.24226	20803.53905	
19496.15737				
ADH6 ADH6	1.171371313	0 0	1.885508449	
CCNA1 CCNA1	161.6492413	282.3343686	24.10710533	
14.14131337				
IL15RA IL15RA	1396.274606	2175.396466	2180.353749	
1980.726626				
ADRM1 ADRM1	9628.672197	14731.15114	9783.020486	
8636.571453				
RNU12 RNU12	3.51411394	14.21827756	2.678567259	0
LINC01140	LINC01140	3.51411394	1.015591254	0
3.771016899				
LOC145837	LOC145837	0 0 0	3.771016899	

VPS9D1	VPS9D1	217.8750643	139.1360018	188.3925639
151.7834302				
CDK17	CDK17	3878.410419	3882.605364	6947.310614
5776.255135				
SLC44A3	SLC44A3	16.39919839	0	4.713771124
RNU5E-1	RNU5E-1	0	0	0.942754225
ATRX	ATRX	4068.172572	3676.44034	4629.457079
5886.557379				
ATP1A4	ATP1A4	3.51411394	12.18709505	6.249990271
0.942754225				
SPINK7	SPINK7	0	4.062365016	0
DGAT2	DGAT2	236.6170053	360.5348952	328.5709171
274.3414794				
POLB	POLB	1830.853363	1660.4917	1584.818962
1519.71981				
CTRL	CTRL	467.3771541	238.6639447	564.2848359
353.5328343				
CSNK2A2	CSNK2A2	176.8770683	136.089228	141.071209
143.2986422				
MUT	MUT	3856.154364	3180.831808	2495.53183
3194.994068				
SERPIND1	SERPIND1		22.25605496	7.109138778
33.03566286	68.8210584			
HADHB	HADHB	7262.502143	9189.069667	4795.52825
6135.444494				
STOM	STOM	3236.498939	1582.291174	8424.986886
7784.321633				
THEMIS2	THEMIS2	3122.875922	5560.362116	2495.53183
2216.415182				
BOLA2B	BOLA2B	576.3146862	444.8289693	258.9281684
455.3502905				
FCGR2B	FCGR2B	0	16.07140355	0
TSHZ3	TSHZ3	55.05445173	13.2026863	38.39279738
14.14131337				
MYOM1	MYOM1	28.11291152	27.42096386	85.71415229
181.9515654				
RWDD3	RWDD3	688.7663323	780.9896744	738.3917078
846.5932938				
KIAA1468	KIAA1468		1482.956083	1255.27079
1960.711234	1567.800276			
KIAA1467	KIAA1467		332.669453	246.7886747
168.7497373	298.8530892			
METTL3	METTL3	3849.126136	4041.0376	2255.353632
3530.614572				
IQCF6	IQCF6	1.171371313	0	0
DAW1	DAW1	3.51411394	0	0
AGPAT6	AGPAT6	5462.104435	5589.814262	4443.743083
5363.328784				
CMTM4	CMTM4	17.5705697	6.093547524	30.3570956
41.48118589				

ARL5B	ARL5B	1170.199942	742.3972067	785.7130627
738.176558				
TSACC	TSACC	56.22582305	42.65483267	112.4998249
98.04643937				
WDR64	WDR64	5.856856567	4.062365016	128.5712284
51.85148236				
FAM91A1	FAM91A1	6925.147205	6759.775387	4890.170959
5109.727898				
MED25	MED25	1509.897623	1068.401999	702.6774776
723.0924904				
TUBA4B	TUBA4B	8.199599194	9.140321286	3.571423012
5.656525348				
SCARNA9	SCARNA9	114.7943887	61.9510665	57.14276819
48.08046546				
LRIG1	LRIG1	6618.247921	7711.384392	6621.418264
7892.738369				
PYG01	PYG01	0	4.464278765	0
UBXN7	UBXN7	3976.805609	3648.003785	3612.494377
3392.029701				
WDHD1	WDHD1	5353.166903	4505.162803	2214.282268
3338.29271				
APRT	APRT	8165.629426	11122.75541	9334.806898
9255.018224				
ANGPTL4	ANGPTL4	23.42742627	17.26505132	30.3570956
16.02682182				
SDCBP2	SDCBP2	86.6814772	280.3031861	255.3567454
140.4703795				
TPMT	TPMT	1317.792728	1675.725569	1122.319682
1310.428372				
MDFIC	MDFIC	6335.947435	8689.39877	6704.45385
7663.649093				
SCD5	SCD5	8.199599194	0	21.42853807
NCKAP5L	NCKAP5L	59.73993699	72.10697904	14.14131337
273.3987252				324.9994941
H2AFB2	H2AFB2	0	1.015591254	0.892855753
OPA3	OPA3	1659.833151	1659.476109	3.771016899
1295.533698				
1537.632141				
HILPDA	HILPDA	459.1775549	559.590781	421.4279154
544.9119419				
FAM89B	FAM89B	4156.02542	3970.961803	2823.209891
3863.406813				
RPP14	RPP14	1656.319037	2098.211531	2283.925016
1822.343916				
FANCL	FANCL	1685.60332	1751.894913	1244.64092
1700.728621				
EIF4E1B	EIF4E1B	0	0.892855753	0
LRCH1	LRCH1	1382.21815	1092.776189	1257.1409
1210.496425				
GDA	GDA	0	3.571423012	0
C8orf76	C8orf76	1658.66178	2024.073369	1256.248045

1332.11172					
TRAF6	TRAF6	816.4458055	1075.511138	1654.46171	
1697.900359					
BPNT1	BPNT1	1341.220154	1235.974556	989.2841744	
894.6737593					
FDX1	FDX1	2774.978642	3097.553325	2287.496439	
2310.690605					
GPX3	GPX3	22.25605496	12.18709505	30.3570956	
20.74059294					
ERCC1	ERCC1	3029.166217	4536.646132	3302.67343	
3444.823937					
IKBKAP	IKBKAP	5135.291838	4067.442972	3944.636717	
4803.332775					
KMT2D	KMT2D	1199.484225	510.8424008	935.7128292	
1058.712994					
SLC39A11	SLC39A11		500.1755508	722.0853816	
497.3206544	540.1981708				
ERI1	ERI1	5333.25359	7123.357056	2947.316841	
3763.474865					
KCTD6	KCTD6	723.9074717	539.2789559	619.6418926	
681.6113045					
FAM3B	FAM3B	2.342742627	3.046773762	4.464278765	
1.885508449					
TLR7	TLR7	3.51411394	11.17150379	0	22.62610139
LINC00341	LINC00341		83.16736326	43.67042392	
8.92855753	68.8210584				
SAMD14	SAMD14	29.28428284	12.18709505	41.07136464	
26.39711829					
LINC00239	LINC00239		297.5283136	170.6193307	
78.57130627	186.6653365				
TBXAS1	TBXAS1	695.7945602	573.8090585	283.9281295	
568.4807975					
ISL2	ISL2	111.2802748	53.82633646	11.60712479	
21.68334717					
PCDH8	PCDH8	103.0806756	55.85751897	45.5356434	0
ERN1	ERN1	1144.429773	918.0944937	1713.39019	
2084.429591					
AGTRAP	AGTRAP	1131.544689	1872.750272	816.0701583	
741.9475749					
ZMAT5	ZMAT5	1467.728256	1933.685748	1432.140628	
1154.873925					
KIAA0556	KIAA0556		719.2219865	478.3434807	
391.9636756	454.4075363				
HAS3	HAS3	2338.057142	2747.174342	2465.174734	
1986.383151					
UCHL5	UCHL5	6125.100598	6887.739885	5415.170142	
6390.930889					
KIF21B	KIF21B	2327.5148	1196.366497	1589.28324	
1669.617732					
WWC1	WWC1	4.685485254	15.23386881	12.49998054	

7.542033798					
LPHN3	LPHN3	2.342742627	0	0.892855753	0
PLSCR3	PLSCR3	5260.628569	6909.067301	3240.173528	
3629.603765					
ZNF684	ZNF684	298.6996849	254.9134048	212.4996692	
294.1393181					
UBAC2	UBAC2	2773.80727	2555.227595	5660.705474	
4275.390409					
HMG1	HMG1	14499.23412	16230.16383	13455.3362	
15250.93509					
GID8	GID8	2297.059146	2121.57013	2533.924627	
2439.847934					
B3GNT3	B3GNT3	0	0	1.885508449	
COR02A	COR02A	1259.224162	832.7848283	1434.819195	
1604.56769					
WIPF1	WIPF1	18971.52979	10514.41625	9559.806548	
10652.17999					
ALPK3	ALPK3	0	3.046773762	0	16.96957604
MSL3	MSL3	3625.394215	3155.442026	5917.847931	
5995.916869					
DCAF6	DCAF6	2059.270769	1801.658885	1727.675882	
2029.749846					
RPA3	RPA3	5911.911019	5207.951951	4167.850655	
4379.093374					
KLK2	KLK2	1.171371313	2.031182508	0	0
SMPDL3B	SMPDL3B	21.08468364	58.90429273	0	10.37029647
SH2D4B	SH2D4B	2.342742627	8.124730032	9.821413283	0
DYNC1H1	DYNC1H1	6864.235897	4217.750478	5893.740826	
5042.792348					
GTF2E1	GTF2E1	2063.956254	2191.645926	1933.032705	
1686.587308					
TBC1D31	TBC1D31	1787.512624	1322.299813	1005.355578	
1375.478414					
SLC1A2	SLC1A2	0	4.062365016	21.42853807	0.942754225
TGFBR3	TGFBR3	1970.246549	1624.946006	1199.105276	
1828.000442					
ACTB	ACTB	1612350.444	2060037.487	658009.69	
980398.4009					
ACTA1	ACTA1	0	4.062365016	0	1.885508449
B3GAT1	B3GAT1	2.342742627	0	0	1.885508449
NADK	NADK	3789.386199	3252.938787	1793.747208	
1831.771459					
UPF3A	UPF3A	940.6111647	1451.279902	1451.783454	
1193.526848					
ABCA6	ABCA6	0	2.031182508	0	0
LINC00491	LINC00491	0	0	2.031182508	8.035701777
0					
KMT2A	KMT2A	6312.520008	3482.46241	5380.348768	
6136.387249					
CNGA1	CNGA1	0	3.046773762	32.14280711	4.713771124

LOC100132352	LOC100132352	181.5625536	204.1338421	
349.1065994	328.0784702			
SYT12 SYT12	0 0	19.64282657	0	
EFNA4 EFNA4	147.5927855	251.866631	170.5354488	
102.7602105				
E2F1 E2F1	7271.873114	7771.304276	2530.353204	
3503.274699				
BTLA BTLA	1022.607157	1033.871897	844.6415424	
1433.929176				
NAA16 NAA16	1431.415745	1023.715984	1497.319098	
1466.925574				
PAXBP1-AS1	PAXBP1-AS1	210.8468364	152.3386881	
195.5354099	254.5436407			
LOC151475	LOC151475	0 4.062365016	0	0
PMM2 PMM2	1423.216146	1457.37345	1423.21207	
1435.814684				
DOT1L DOT1L	1520.439965	1298.941214	1083.926884	
1060.598503				
FAM76B FAM76B	1625.863383	1139.493387	1666.068835	
1745.980824				
DOCK11 DOCK11	5442.191122	3040.680215	1833.032861	
2637.826321				
TRAP1 TRAP1	9450.623757	13669.85828	8330.344176	
9753.735209				
CRBN CRBN	3542.226852	3311.843079	4871.420989	
4745.824767				
HP1BP3 HP1BP3	13214.23979	10584.49205	10437.48375	
11142.41218				
CSTF2 CSTF2	5694.035955	7958.173067	4432.135958	
4237.68024				
TAF5 TAF5	1758.228342	1727.520723	1456.247733	
1756.351121				
IFNA21 IFNA21	3.51411394	0 0	0	
OPRM1 OPRM1	219.0464356	215.3053459	601.7847775	
459.1213074				
SPATA31C2	SPATA31C2	9.370970508	17.26505132	0
11.3130507				
GRIK5 GRIK5	7.028227881	1.015591254	4.464278765	
1.885508449				
DRD3 DRD3	0 0	3.571423012	0	
ARHGAP17	ARHGAP17	2722.266932	2438.434601	
3180.352192	2785.838734			
INPP5B INPP5B	2551.246721	2867.01411	3431.244659	
2379.511663				
FXR2 FXR2	3044.394044	3535.273155	3208.923576	
2964.962037				
RHD RHD	38.65525334	57.88870148	106.2498346	
134.8138541				
CD79A CD79A	144.0786716	156.4010531	163.3926028	
100.874702				

CD69	CD69	4159.539534	3946.587613	10389.26954
11500.65879				
CD63	CD63	3669.906325	5322.713762	4680.349857
4644.007311				
SLA	SLA	16851.34772	12447.08641	9595.520778
11898.50107				
CNNM2	CNNM2	286.9859718	323.97361	598.2133545
249.8298695				
PLCG2	PLCG2	1190.113254	1207.538001	258.9281684
396.8995286				
MCM4	MCM4	28040.2865	33931.91939	11683.91038
15017.13205				
C11orf95	C11orf95		25.7701689	24.3741901
74.1070275	20.74059294			
C5orf55	C5orf55	140.5645576	162.4946006	284.8209852
201.7494041				
NFKB1	NFKB1	14459.40749	22548.15702	20361.57545
19263.29707				
RNF17	RNF17	0	2.678567259	0
MORN2	MORN2	338.5263096	381.8623115	358.9280127
292.2538097				
GREM2	GREM2	31.62702546	29.45214637	57.14276819
168.7530062				
DAPK2	DAPK2	154.6210134	73.12257029	30.3570956
167.810252				
METTL5	METTL5	3564.482907	3650.034967	3130.35227
3520.244275				
IGSF8	IGSF8	2210.377669	2431.325462	3587.494416
2488.871153				
IQSEC2	IQSEC2	3.51411394	6.093547524	0
C11orf84	C11orf84		292.8428284	6.599279573
81.24987353	59.39351616			
AES	AES	20632.53432	24150.76002	12463.37346
9828.212793				
GSDMB	GSDMB	204.9899799	110.6994467	318.7495038
317.7081737				
VSIG10	VSIG10	131.1935871	109.6838554	65.17846997
156.4972013				
TAC01	TAC01	2045.214313	1986.496493	1318.747947
1432.043667				
PPOX	PPOX	872.6716285	1569.088488	829.4629946
845.6505396				
KIAA1598	KIAA1598		0	15.23386881
	12.25580492			5.357134518
AP0D	AP0D	588.0283994	2685.223276	217.8568037
451.5792736				
KMT2B	KMT2B	458.0061836	400.1429541	441.9635978
388.4147406				
FETUB	FETUB	1.171371313	0	0
MAP2K1	MAP2K1	5115.378526	4037.990826	3680.351414

3527.786309					
TMEM106C	TMEM106C		9277.260803	12148.50258	
7069.631852	7509.980154				
SLC5A5	SLC5A5	16.39919839	66.01343151	65.17846997	
76.3630922					
ABLIM1	ABLIM1	8747.800969	8815.332085	18698.18518	
14175.25252					
RBX1	RBX1	11855.44906	11631.56663	8527.665297	
8692.193952					
VIPAS39	VIPAS39	1468.899627	1554.87021	1254.462333	
1493.322692					
STXBP1	STXBP1	415.8368163	373.7375815	953.5699442	
605.2482123					
PKM	PKM	126248.0574	116776.7448	63485.61546	
85933.93309					
FGFR10P	FGFR10P	1591.893615	1705.177716	728.5702945	
1243.492822					
RNF41	RNF41	2708.210477	3013.259251	3275.887758	
2868.801106					
CNNM3	CNNM3	2554.760835	3065.054405	2855.352698	
3018.699028					
ZNF75A	ZNF75A	832.8450039	703.8047391	1403.569244	
1293.458796					
FAM218A	FAM218A	16.39919839	29.45214637	90.17843106	
36.76741476					
LYG2	LYG2	11.71371313	8.124730032	8.92855753	
9.427542247					
HTRA4	HTRA4	1.171371313	0	5.656525348	
CACNA2D2	CACNA2D2		45.68348122	18.28064257	
180.3568621	173.4667773				
CRCP	CRCP	1263.909647	1458.389041	1715.175902	
1352.852312					
TMEM11	TMEM11	2819.490752	3597.224222	2858.924121	
2493.584924					
EBF1	EBF1	2.342742627	1.015591254	41.96422039	0
TARBP2	TARBP2	2131.895791	2661.864677	1817.854313	
1987.325906					
LIMS3L	LIMS3L	0	2.031182508	0.892855753	1.885508449
E2F8	E2F8	3216.585627	2512.572763	548.2134324	
1057.77024					
EIF1AD	EIF1AD	1748.857371	1644.24224	2590.17454	
1482.009641					
ETS1	ETS1	34595.28037	21598.5792	15374.97607	
17572.93875					
AQP8	AQP8	0	13.3928363	0.942754225	
TIMM23	TIMM23	4657.372342	6417.521134	3647.315751	
3927.5141					
TULP1	TULP1	0	9.821413283	0	
TUFM	TUFM	14934.98425	22880.25536	14803.54839	
15060.49874					

SGTA	SGTA	6212.953447	8560.41868	6149.990427
4760.908835				
RPL35A	RPL35A	10025.76707	9302.815887	10553.555
10562.61833				
ACVR1	ACVR1	1426.73026	1533.542794	1488.39054
1237.836297				
CDK9	CDK9	5422.27781	6705.94905	5716.955387
5404.80997				
COL6A1	COL6A1	248.3307185	620.5262562	235.7139188
356.3610969				
ANKFY1	ANKFY1	5477.332262	4297.982187	4376.778901
4658.148624				
TBC1D7	TBC1D7	2364.998682	2203.833021	825.8915716
1210.496425				
ERAP2	ERAP2	10598.56764	21698.10714	29935.66769
18358.25302				
TRIM14	TRIM14	7807.189804	9598.352942	9535.699442
8216.103068				
BDP1	BDP1	2060.44214	1782.362651	2165.175201
2628.398779				
TMEM126B	TMEM126B		2627.385856	2260.706132
2626.781625	2919.709834			
LRRD1	LRRD1	0	2.031182508	0
ZNF559-ZNF177	ZNF559-ZNF177		119.479874	108.6682642
641.9632864	330.9067329			
PTPRF	PTPRF	55.05445173	4.062365016	17.85711506
5.656525348				
GNRH1	GNRH1	18.74194102	4.062365016	42.85707615
36.76741476				
EIF4G3	EIF4G3	3391.119952	3072.163544	1199.105276
2347.45802				
PEX13	PEX13	1347.07701	1491.903552	1362.497879
1297.229813				
SLC22A18	SLC22A18		301.0424276	224.4456671
164.2854586	302.6241061			
NEMF	NEMF	3076.021069	3011.228068	3249.994941
3497.618174				
MTAP	MTAP	2133.067162	3422.542526	1949.104109
2316.34713				
MIR6889	MIR6889	5.856856567	1.015591254	3.571423012
7.542033798				
TMEM57	TMEM57	776.6191808	587.0117448	974.9984823
642.9583813				
CSTL1	CSTL1	0	0	7.142846024
LOC283194	LOC283194		0	0
LOC729970	LOC729970		9.370970508	3.046773762
31.24995136	3.771016899			
OR2L13	OR2L13	0	0	16.96957604
REPIN1	REPIN1	2726.952418	2743.111977	3317.851978
2869.74386				

AKAP8L	AKAP8L	3997.890293	4956.08532	6568.739775
5599.017341				
QTRTD1	QTRTD1	1598.921843	2153.053459	2125.889548
1941.130949				
LSM3	LSM3	6881.806467	6436.817368	4485.707303
5319.019336				
MUS81	MUS81	3832.726938	3769.874735	2508.03181
3185.566525				
HSPB6	HSPB6	3.51411394	1.015591254	0 4.713771124
ACPT	ACPT	17.5705697	20.31182508	29.46423985
19.79783872				
CLPP	CLPP	6519.852731	8584.79287	4911.599497
5111.613406				
MAT2A	MAT2A	16762.3235	14962.70595	14009.79962
17737.92074				
ZDHC11	ZDHC11	25.7701689	9.140321286	23.21424958
17.91233027				
GSTK1	GSTK1	10420.5192	9005.24765	9279.449841
10625.78287				
C22orf46	C22orf46		419.3509302	305.6929675
507.1420677	546.7974503			
FBX015	FBX015	35.1411394	28.43655511	149.9997665
143.2986422				
TBC1D5	TBC1D5	3039.708558	1985.480902	1424.997782
2491.699416				
BACH1	BACH1	1290.851187	1060.277269	2544.638896
2098.570904				
IL2RA	IL2RA	39239.76763	79592.90217	28268.706
38146.66419				
GSPT1	GSPT1	14221.61912	18329.39095	13336.58638
13691.61961				
EPHX4	EPHX4	24.59879758	12.18709505	8.035701777
11.3130507				
CHPF2	CHPF2	4116.198796	3609.411317	3490.173139
3072.436018				
C3orf58	C3orf58	1142.087031	809.4262295	1155.355344
1047.399944				
PALM2-AKAP2	PALM2-AKAP2		6625.276149	5006.864882
4267.850499	5035.250314			
METTL14	METTL14	1740.657772	1797.59652	2870.531246
2710.418396				
AN08	AN08	144.0786716	6.093547524	10.71426904
115.0160154				
ZNF704	ZNF704	15.22782708	8.124730032	25.89281684
40.53843166				
ZNF404	ZNF404	12.88508445	14.21827756	56.24991244
48.08046546				
NOP2	NOP2	6923.975834	9597.337351	10017.84155
9137.173946				
ZMAT3	ZMAT3	1019.093043	788.0988131	2651.781587

973.8651141					
TMX1	TMX1	8508.841221	8735.100376	5946.419315	
6609.649869					
WNT3	WNT3	1.171371313	0	8.92855753	3.771016899
WWOX	WWOX	493.147323	692.6332353	481.2492509	
637.3018559					
PTP4A1	PTP4A1	12368.5097	15681.74455	15076.76225	
11234.8021					
DNALI1	DNALI1	124.1653592	175.697287	97.32127708	
135.7566084					
CDK11B	CDK11B	1450.157686	1193.319724	1762.497256	
1318.91316					
DPYSL3	DPYSL3	8.199599194	3.046773762	1.785711506	0
DPYSL2	DPYSL2	3880.753161	3844.012897	1249.998054	
1891.164975					
NEDD1	NEDD1	5444.533865	5165.297118	4839.278181	
5968.576997					
PHOSPH01	PHOSPH01		44.51210991	28.43655511	
16.96425931					
CEACAM21	CEACAM21		1310.7645	1565.026122	
2078.568193					
DDX17	DDX17	2352.113597	1089.729416	2333.032083	
3074.321527					
YPEL5	YPEL5	3125.218664	3056.929675	8673.200785	
5912.011743					
LANCL1	LANCL1	4594.118291	3549.491433	2540.174617	
4191.485283					
ZNF397	ZNF397	304.5565415	237.6483534	840.1772636	
838.1085058					
RBM28	RBM28	1746.514628	2255.628175	1749.10442	
1739.381545					
HIGD2B	HIGD2B	0	4.062365016	5.357134518	9.427542247
NPIPA7	NPIPA7	0	0	0.892855753	2.828262674
TMEM163	TMEM163	12.88508445	10.15591254	4.464278765	
5.656525348					
BTBD11	BTBD11	2072.155854	1559.948166	2177.675182	
2315.404376					
LTBP1	LTBP1	50.36896648	14.21827756	0	8.484788022
DID01	DID01	4760.453018	3711.986034	4882.135258	
4716.599386					
NDUFA11	NDUFA11	6134.471569	6811.570541	4345.52895	
4364.009306					
CEBPG	CEBPG	3126.390036	3541.366703	4900.885228	
4119.835962					
E2F6	E2F6	1023.778528	1067.386408	1066.069769	
981.4071479					
NXPE4	NXPE4	1.171371313	2.031182508	0	0
PHYHD1	PHYHD1	7.028227881	7.109138778	16.07140355	
8.484788022					
METTL15	METTL15	988.6373886	1029.809532	856.2486672	

917.2998606				
IKBKG IKBKG	1643.433953	1770.175556	1411.604946	
1316.084898				
LARS2 LARS2	3145.131977	2921.856038	1721.425892	
2251.297089				
ESYT2 ESYT2	12506.73151	10762.22052	8523.201018	
10726.65757				
ZNF490 ZNF490	1026.121271	1135.431022	887.4986185	
943.6969789				
MAU2 MAU2	4345.787573	5352.165909	5724.991088	
4755.252309				
NCSTN NCSTN	6949.746003	7420.925293	6441.061402	
6810.456519				
EPT1 EPT1	2390.768851	1478.700866	1202.676699	
1522.548073				
EDAR EDAR	10.54234182	0 408.0350791	390.300249	
STRA13 STRA13	2497.36364	3726.204311	2312.4964	
2051.433193				
WEE2 WEE2	1.171371313	5.07795627	7.142846024	
5.656525348				
C1orf177	C1orf177	30.45565415	21.32741634	
13.3928363	0			
MEF2BNB MEF2BNB	928.8974516	885.5955735	671.4275263	
710.8366854				
TPGS2 TPGS2	7966.496303	8103.402616	3175.887914	
4392.291933				
VIPR1 VIPR1	104.2520469	69.06020528	622.3204599	
496.8314764				
TRIM22 TRIM22	7859.901513	8905.719707	54479.37948	
34075.85145				
ARHGAP8 ARHGAP8	7.028227881	2.031182508	84.82129654	
15.0840676				
TNFRSF10D	TNFRSF10D	131.1935871	183.822017	
1644.640297	322.4219449			
TP53INP2	TP53INP2	541.1735468	231.5548059	
124.1069497	240.4023273			
CCL22 CCL22	69.11090749	563.653146	8890.164733	
1791.233027				
GPANK1 GPANK1	1.171371313	1.015591254	0.892855753	
0.942754225				
ST3GAL5 ST3GAL5	752.0203832	587.0117448	788.3916299	
1084.167358				
MAFG-AS1	MAFG-AS1	37.48388203	39.60805891	
35.71423012	53.73699081			
NOP14-AS1	NOP14-AS1	1629.377497	1756.97287	
2207.139421	2169.277471			
RNF216P1	RNF216P1	1041.349098	1211.600366	
1420.533503	1664.903961			
LOC100129534	LOC100129534	2.342742627	5.07795627	
31.24995136	17.91233027			

LINC00461	LINC00461	0	0	3.571423012	0
LOC148413	LOC148413	2442.309189		2667.958224	
2770.531402	2412.508061				
LINC-PINT	LINC-PINT	897.2704261		955.6713701	
2894.638351	1697.900359				
ZMIZ1-AS1	ZMIZ1-AS1	9.370970508		4.062365016	
28.5713841	12.25580492				
LINC00094	LINC00094	1343.562897		1129.337475	
1749.997276	1437.700193				
ANKRD36BP2	ANKRD36BP2	12.88508445		23.35859884	
97.32127708	73.53482953				
LINC00426	LINC00426	493.147323		420.4547792	
287.4995525	235.6885562				
LINC00908	LINC00908	0	0	0.892855753	
3.771016899					
HSD17B14	HSD17B14	10.54234182		19.29623383	
64.28561422	21.68334717				
YTHDF1 YTHDF1	5218.459201	5776.683053		6337.490135	
5642.384035					
BTBD2 BTBD2	463.8630401	334.1295226		334.8209074	
425.1821553					
PAK4 PAK4	263.5585455	108.6682642		124.9998054	
108.4167358					
MTERF2 MTERF2	325.6412251	328.0359751		303.570956	
401.6132997					
CCDC66 CCDC66	892.5849409	978.0143777		1928.568427	
1449.955998					
C10TNF9B	C10TNF9B	23.42742627		27.42096386	
13.3928363	29.22538097				
ESR1 ESR1	60.9113083	25.38978135		58.9284797	
82.96237177					
DEPDC1B DEPDC1B	3936.978985	3528.164017		907.1414451	
1645.106122					
TNIK TNIK	1963.218321	1081.604686		1263.390891	
1058.712994					
LSM7 LSM7	3095.934381	3810.498385		2169.63948	
2008.066499					
ENPP4 ENPP4	1266.25239	1065.355226		1207.140978	
1479.181379					
APOBEC1 APOBEC1	0	0	3.571423012	0	
GPALPP1 GPALPP1	1014.407557	1027.778349		881.2486282	
933.3266825					
EVI2B EVI2B	2197.492584	1655.413744		2378.567726	
2422.878358					
STRADB STRADB	1731.286801	3206.221589		2338.389217	
2074.059294					
NARS NARS	9068.756709	11330.95162		11386.58942	
12740.38059					
MAST3 MAST3	1439.615344	551.4660509		1372.319292	
1871.367136					

ATP2A1	ATP2A1	56.22582305	69.06020528	66.96418148	
37.71016899					
ASCL1	ASCL1	3.51411394	0	0	17.91233027
ARRB2	ARRB2	3797.585798	2166.256145	887.4986185	
1131.30507					
FBX032	FBX032	869.1575146	519.9827221	1528.569049	
1558.372733					
IL1RL1	IL1RL1	0	77.18493531	0	16.96957604
DEFB113	DEFB113	0	0	0.942754225	
ATXN7	ATXN7	1636.405725	921.1412674	2131.246682	
2226.785479					
APOH	APOH	0	0	5.357134518	1.885508449
SLAMF6	SLAMF6	5554.642768	3940.494066	4709.814097	
5868.645049					
SCARF1	SCARF1	10.54234182	22.34300759	73.21417175	
16.96957604					
HHLA2	HHLA2	12.88508445	24.3741901	28.5713841	
16.96957604					
HPS3	HPS3	2998.710562	3697.767756	3149.995097	
3404.285505					
FPGS	FPGS	5251.257598	6518.064668	4113.386454	
4001.04893					
DPRX	DPRX	0	0	7.142846024	0
HRH1	HRH1	10.54234182	11.17150379	0	88.61889712
RUFY1	RUFY1	2443.48056	2596.866837	2322.317814	
2360.656579					
ARTN	ARTN	0	3.046773762	0	0
CTSC	CTSC	19014.87053	23545.46763	7116.060352	
10821.87575					
SLC25A25	SLC25A25		1436.10123	1199.413271	
1431.247772	839.05126				
MLH1	MLH1	6556.165241	7283.820474	4397.314584	
5393.49692					
SLC39A9	SLC39A9	4085.743141	3446.916716	3900.886785	
3886.975669					
INAFM2	INAFM2	286.9859718	387.955859	563.3919802	
391.2430033					
LOC283710	LOC283710		1.171371313	0	0
SLC29A2	SLC29A2	69.11090749	86.32525659	507.1420677	0
336.5632582					
SLC27A1	SLC27A1	161.6492413	132.026863	448.213588	
328.0784702					
LRRK2	LRRK2	7.028227881	0	6.249990271	6.599279573
ALAS1	ALAS1	6266.836527	10137.6319	5525.884256	
5681.036958					
PSMC2	PSMC2	14872.90157	20623.6116	11782.12452	
12297.28611					
GTF3C1	GTF3C1	6455.427308	4523.443446	3140.173683	
4097.209861					
ETFA	ETFA	7558.859086	9466.326079	5934.81219	

6466.351227				
BIVM-ERCC5	BIVM-ERCC5		4595.289663	4616.877841
5397.313027	5305.820777			
GUK1 GUK1	12119.00761		18263.37752	14400.87044
11172.58032				
FFAR3 FFAR3	0 0		24.10710533	42.42394011
THRAP3 THRAP3	12506.73151		14802.24253	13222.30085
13686.90583				
HOXC4 HOXC4	0 0		0.892855753	1.885508449
ARFGAP3 ARFGAP3	2324.000686		2640.537261	3050.888108
2903.683012				
PDPR PDPR	2578.188261		1100.900919	1698.211642
2039.177388				
SNX10 SNX10	3132.246892		5296.30839	2247.31793
2355.000053				
TTC18 TTC18	60.9113083		77.18493531	122.3212382
162.1537267				
SPAG5-AS1	SPAG5-AS1		1164.343086	684.5085052
781.2487839	855.0780818			
CHST7 CHST7	823.4740334		1074.495547	415.1779252
596.7634242				
WSB1 WSB1	5177.461205		5352.165909	7472.309797
6829.311604				
BHLHB9 BHLHB9	192.1048954		124.9177242	182.1425736
209.2914379				
GGACT GGACT	227.2460348		255.928996	194.6425542
253.6008864				
PNPT1 PNPT1	5177.461205		6134.171174	4844.635316
5815.850812				
DAZAP2 DAZAP2	28280.41762		32432.9067	37007.97811
31249.47429				
ATXN7L3B	ATXN7L3B		4267.305695	3678.471522
5404.455873	5965.748734			
JHDM1D-AS1	JHDM1D-AS1		521.2602345	257.9601785
324.9994941	290.3683012			
SNX30 SNX30	140.5645576		122.8865417	505.3563562
437.4379603				
ZKSCAN2 ZKSCAN2	226.0746635		201.0870683	110.7141134
199.8638956				
GGA1 GGA1	2492.678155		2363.280848	2351.782053
2252.239843				
FBX048 FBX048	295.185571		250.8510398	273.2138604
224.3755055				
LIN52 LIN52	1861.309017		2389.686221	1580.354683
1799.717815				
PLVAP PLVAP	0 0		2.678567259	0
LOC101928489	LOC101928489		89.02421982	64.99784026
7.142846024	48.08046546			
NOM02 NOM02	2165.865559		3417.46457	1949.996965
2072.173786				

KSR2	KSR2	4.685485254	2.031182508	13.3928363	
10.37029647					
ANKRD52	ANKRD52	4519.150527	4004.476315	2172.318047	
3029.069324					
B4GALNT3	B4GALNT3		338.5263096	660.1343151	
408.9279349	290.3683012				
LOC102724862	LOC102724862		69.11090749	30.46773762	
64.28561422	82.01961755				
BTBD17	BTBD17	1.171371313	0	0	
C17orf98	C17orf98		3.51411394	1.015591254	0
	6.599279573				
NTRK2	NTRK2	288.1573431	657.0875414	455.356434	
303.5668604					
C1orf192	C1orf192		9.370970508	10.15591254	
29.46423985	16.02682182				
BCL2A1	BCL2A1	591.5425133	479.3590719	1466.069146	
1793.118535					
ADAMTS18	ADAMTS18		1.171371313	0	0
2.828262674					
TNFRSF1B	TNFRSF1B		77876.27903	133730.0096	
26254.42342	35096.85428				
ISOC1	ISOC1	2912.029085	3557.616163	2959.816821	
3169.539703					
FAHD2A	FAHD2A	1049.548697	1395.422383	721.4274484	
983.2926564					
KCNN1	KCNN1	3.51411394	0	0	0.942754225
DRAP1	DRAP1	4236.850041	5365.368595	5414.277286	
4253.707062					
TNFRSF1A	TNFRSF1A		1812.111422	1742.754592	
1520.533347	1845.912772				
KIF21A	KIF21A	679.3953618	507.795627	1053.569789	
1005.918758					
ZNF358	ZNF358	18.74194102	14.21827756	49.99992217	
27.33987252					
NBPF14	NBPF14	50.36896648	60.93547524	189.2854196	
95.2181767					
ZSCAN30	ZSCAN30	559.9154878	351.3945739	471.4278376	
553.3967299					
TMED1	TMED1	2047.557056	2544.056091	1824.104303	
1439.585701					
TYR03P	TYR03P	0	2.031182508	0	
OSTCP1	OSTCP1	2.342742627	3.046773762	0	3.771016899
RNF123	RNF123	3619.537359	3640.894646	3250.887797	
3348.663006					
HIST1H4J	HIST1H4J		76.13913537	56.87311023	
33.03566286	28.28262674				
RGS9	RGS9	407.6372171	116.7929942	17.85711506	
168.7530062					
ISG20	ISG20	7121.937586	6328.149104	12622.30178	
10101.61152					

MAOA	MAOA	2.342742627	7.109138778	92.85699832
18.85508449				
IL34	IL34	0	0	1.885508449
ILF2	ILF2	22562.95424	29381.05498	21276.75259
21977.48649				
MEF2BNB	MEF2B	MEF2BNB	MEF2B	540.0021755
516.0706253		492.1177053		570.7622848
MED13	MED13	1525.12545	603.2612049	1090.176874
1008.74702				
MCHR1	MCHR1	0	2.031182508	0
UQCRQ	UQCRQ	9597.045171	9602.415307	5908.919374
6213.693095				
FNBP1	FNBP1	7623.284508	6506.893165	7008.024806
7557.117865				
DHX9	DHX9	21206.50626	22916.81665	18680.32806
19480.13055				
DLGAP5	DLGAP5	8159.77257	8776.739618	1994.639752
4172.630199				
NEDD8	NEDD8	8870.794957	11777.81177	8162.487294
7542.033798				
ACIN1	ACIN1	4409.041624	2288.127095	2299.103564
2248.468826				
SMCHD1	SMCHD1	14045.91342	8686.351996	15602.65428
14883.26095				
COPS6	COPS6	7849.359171	10655.58344	6281.240223
7201.699523				
FRYL	FRYL	4746.396562	1678.772343	1842.854274
2318.232639				
RRAGB	RRAGB	371.3247064	350.3789826	623.2133156
470.4343581				
MIR25	MIR25	31.62702546	20.31182508	41.96422039
39.59567744				
MIR24-2	MIR24-2	1.171371313	2.031182508	3.571423012
3.771016899				
PAX2	PAX2	0	0	0.942754225
GTPBP2	GTPBP2	913.6696245	532.1698171	409.8207906
556.2249926				
PEX2	PEX2	3179.101745	4164.939733	3043.745262
3150.684619				
GPATCH11	GPATCH11		1105.77452	1087.698233
1440.17633		1209.55367		
SIMC1	SIMC1	1124.516461	1446.201946	894.6414645
1182.213798				
KANK1	KANK1	209.6754651	1166.914351	2102.675298
326.1929618				
ADCK1	ADCK1	363.1251072	403.1897279	401.7850889
465.720587				
EIF2S1	EIF2S1	10163.98889	12431.85254	9916.055993
10297.7044				
MEX3D	MEX3D	45.68348122	4.062365016	3.571423012

2.828262674				
SH2D4A SH2D4A	159.3064986	290.4590987	169.6425931	
92.38991402				
ACKR2 ACKR2	10.54234182	6.093547524	7.142846024	
13.19855915				
CLDN3 CLDN3	1.171371313	0 0 0		
ALOX15B ALOX15B	0 0	0 5.656525348		
ALOX12B ALOX12B	28.11291152	18.28064257	133.928363	
44.30944856				
ALOX5AP ALOX5AP	2951.85571	1778.300286	3204.459298	
3925.628592				
NR4A3 NR4A3	330.3267104	242.7263097	294.6423985	
243.23059				
WDPCP WDPCP	173.3629544	170.6193307	371.4279933	
205.520421				
FAM43A FAM43A	2510.248725	2248.519036	1152.676777	
898.4447762				
TCTEX1D1 TCTEX1D1		0 0 0	2.828262674	
RALGPS2 RALGPS2	44.51210991	36.56128515	184.8211409	
226.2610139				
SDHAF1 SDHAF1	1095.232178	1271.52025	1599.997509	
1301.00083				
ZNF408 ZNF408	1103.431777	1264.411111	1620.533192	
1308.542864				
C12orf49 C12orf49		2154.151845	2662.880268	
2016.06829	1715.812689			
FBX031 FBX031	2170.551044	2766.470576	3919.636756	
2998.901189				
KLHL36 KLHL36	1409.15969	877.4708435	2089.282462	
1837.427984				
SNORD116-19 SNORD116-19		2.342742627	1.015591254	
5.357134518	7.542033798			
LRRC28 LRRC28	1037.834984	1075.511138	521.4277598	
803.2265995				
FAM215A FAM215A	7.028227881	27.42096386	54.46420093	
47.13771124				
TRA2B TRA2B	13853.80852	12076.3956	9444.628156	
11119.78608				
NDUFA5 NDUFA5	3445.003033	2903.575395	3622.31579	
3803.070543				
BOLL BOLL	2.342742627	5.07795627	4.464278765	
3.771016899				
ID2-AS1 ID2-AS1	44.51210991	26.40537261	45.5356434	
30.16813519				
PRKAR2A-AS1 PRKAR2A-AS1		38.65525334	16.24946006	
44.64278765	94.27542247			
LOC100506476 LOC100506476		23.42742627	126.9489068	
183.9282851	57.50800771			
LOC101928075 LOC101928075		0 2.031182508	8.92855753	
0				

LOC101927124	LOC101927124	32.79839678	11.17150379
63.39275847	31.11088942		
SLC25A30	SLC25A30	448.6352131	204.1338421
254.4638896	197.035633		
GOPC GOPC	2157.665959	2232.269576	2587.495972
3068.665001			
DTNBP1 DTNBP1	1767.599312	1710.255672	1674.104537
1890.222221			
FAM188B FAM188B	72.62502143	69.06020528	39.28565313
93.33266825			
SLC19A2 SLC19A2	489.633209	487.4838019	243.7496206
503.430756			
CACNA1A CACNA1A	23.42742627	52.81074521	43.7499319
44.30944856			
TMEM109 TMEM109	9269.061203	11159.3167	9140.164344
8496.101073			
RETNLB RETNLB	0 1.015591254 0	0	0
KIAA1324	KIAA1324	3070.164213	2885.294753
974.9984823	1514.063285		
AHNAK AHNAK	7280.072713	5209.983133	2932.138293
5765.884838			
NUP37 NUP37	3799.928541	4837.261143	2167.853768
2430.420391			
SMOX SMOX	354.925508	850.0498796	347.3208879
335.620504			
SYTL5 SYTL5	2.342742627	3.046773762	16.96425931
13.19855915			
FAM60A FAM60A	5518.330258	5955.427114	6195.52607
6857.594231			
GLI1 GLI1	23.42742627	17.26505132	38.39279738
23.56885562			
FGF22 FGF22	0 0	0 0.942754225	
RET RET	55.05445173	24.3741901	0 7.542033798
HIST2H2AA4	HIST2H2AA4	1.171371313	1.015591254
5.357134518	2.828262674		
GLB1L3 GLB1L3	148.7641568	86.32525659	72.321316
73.53482953			
EIF3H EIF3H	6187.183278	7036.016208	6179.454667
5842.247931			
CSGALNACT1	CSGALNACT1	1938.619524	3832.841393
1483.033406	1265.17617		
TMEM255A	TMEM255A	2.342742627	0 8.92855753
13.19855915			
COR01B COR01B	1868.337245	3134.11461	1716.068757
1653.59091			
LSM10 LSM10	2757.408072	4176.111237	3511.601677
2775.468438			
CLUAP1 CLUAP1	891.4135695	929.2659975	2497.317541
1542.345912			
MRPL55 MRPL55	2196.321213	3556.600572	3444.637495

2487.928399					
ASB14 ASB14	175.705697	163.5101919	198.2139772		
223.4327513					
HIST1H3F	HIST1H3F	94.88107639	67.02902277		
12.49998054	15.0840676				
FAAH2 FAAH2	671.1957626	411.3144579	1607.140355		
1868.538873					
FAM9C FAM9C	8.199599194	5.07795627	0	5.656525348	
NDUFAF2 NDUFAF2	565.7723444	698.7267828	651.7846997		
633.530839					
PSORS1C2	PSORS1C2	0	0	0	1.885508449
MCTS2P MCTS2P	306.8992841	365.6128515	326.7852056		
338.4487667					
LINC01480	LINC01480	241.3024906	168.5881482		
437.499319	251.715378				
LOC101927661	LOC101927661	0	0	3.571423012	0
LOC101929698	LOC101929698	26.94154021	58.90429273		
104.4641231	20.74059294				
EME1 EME1	2017.101402	1759.004052	1065.176913		
1302.886339					
ABHD14A-ACY1	ABHD14A-ACY1	1757.05697	2351.093753		
1930.354138	2122.13976				
HERC2P2 HERC2P2	1078.83298	169.6037394	224.106794		
768.3446931					
MIR29B1 MIR29B1	0	0	3.571423012	0.942754225	
MIR101-1	MIR101-1	2.342742627	1.015591254		
16.07140355	6.599279573				
ZNF667-AS1	ZNF667-AS1	25.7701689	52.81074521		
308.9280905	81.07686333				
G3BP1 G3BP1	23373.54319	25994.05815	22120.50128		
23043.74151					
SSBP3 SSBP3	828.1595186	602.2456137	435.7136075		
484.5756715					
ZMAT2 ZMAT2	2774.978642	2217.035708	2580.353126		
2078.773066					
DCXR DCXR	3617.194616	4184.235967	3008.031032		
2887.65619					
BPIFA3 BPIFA3	0	0	3.571423012	0	
LCORL LCORL	766.076839	873.4084785	872.3200707		
823.9671924					
TMEM147 TMEM147	2711.724591	3110.756011	3675.887135		
2976.275087					
RBM39 RBM39	11939.7878	11712.81393	15364.2618		
15347.09602					
C4orf32 C4orf32	1314.278614	1435.030442	1699.104498		
1661.132944					
DCLRE1A DCLRE1A	3115.847694	2591.78888	1553.56901		
2206.044886					
DNTT DNTT	0	0	33.03566286	0	
CELF1 CELF1	8911.792953	8969.701956	9790.163332		

9310.640723				
ZRANB2-AS1	ZRANB2-AS1		726.2502143	792.1611782
767.8559476	853.1925734			
CLN5 CLN5	1151.458001		1290.816484	2366.067746
2080.658574				
LOC440896	LOC440896		0 0	5.357134518
25.45436407				
RPL32P3 RPL32P3	217.8750643		121.8709505	353.5708782
293.1965639				
CCT6P1 CCT6P1	210.8468364		160.4634181	549.9991439
477.0336377				
LOC100289361	LOC100289361		26.94154021	43.67042392
66.07132572	15.0840676			
SDC4 SDC4	3952.206812		2176.412057	1317.855091
2522.810305				
COL8A1 COL8A1	1.171371313		0 0	0
ATR ATR	2581.702375		1573.150853	1821.425736
2149.479632				
GNB4 GNB4	889.0708269		534.2009996	213.392525
207.4059294				
US01 US01	6724.842711		5376.540099	5191.063348
6329.651865				
NR1H3 NR1H3	643.0828511		585.9961536	533.0348846
490.2321969				
FANCM FANCM	1404.474205		1004.41975	827.6772831
909.7578268				
ABR ABR	3852.64025		2729.909291	1550.890443
2765.098141				
LOC101927599	LOC101927599		100.737933	101.5591254
85.71415229	104.6457189			
KRT81 KRT81	0 13.2026863		0	0
TRDMT1 TRDMT1	528.2884624		591.0741099	484.8206739
436.495206				
C5AR1 C5AR1	0 0		1.785711506	3.771016899
STARD7 STARD7	27794.29853		33305.29959	23306.21372
25848.43533				
ETS2 ETS2	3247.041281		4112.128988	2934.81686
3289.26949				
POLR3C POLR3C	2978.79725		3724.173129	4473.207323
3552.297919				
ZNF181 ZNF181	291.6714571		279.2875949	1384.819273
1366.993626				
WDR62 WDR62	2628.557227		2093.133575	868.7486477
1056.827486				
FERMT3 FERMT3	20588.02221		30356.02258	13841.04988
16857.38829				
SNX29P1 SNX29P1	0 0		2.678567259	1.885508449
TRIM16L TRIM16L	26.94154021		55.85751897	18.74997081
13.19855915				
ABCA9 ABCA9	0 0		0 2.828262674	

FEZ1	FEZ1	35.1411394	59.91988399	48.21421066	
128.2145746					
ABCA10	ABCA10	0	1.015591254	4.464278765	6.599279573
LY9	LY9	353.7541367	86.32525659	4682.135569	
3688.997281					
TFPI	TFPI	62.08267961	39.60805891	0	0
SCARA3	SCARA3	0	5.07795627	0	0
GSDMA	GSDMA	70.28227881	108.6682642	46.42849916	
79.19135488					
MAPK7	MAPK7	722.7361004	652.0095851	683.0346511	
526.0568574					
ATRN	ATRN	987.4660172	655.0563589	519.6420483	
577.9083398					
FUT8	FUT8	7134.82267	8088.168747	2095.532452	
3395.800717					
KLHL8	KLHL8	1467.728256	1405.578296	1749.10442	
1350.966804					
NOG	NOG	8.199599194	5.07795627	109.8212576	
38.65292321					
ATAD3A	ATAD3A	3946.349955	5265.840652	2641.960173	
2763.212633					
HORMAD1	HORMAD1	0	0	20.53568232	0
KCNQ2	KCNQ2	0	0	5.357134518	1.885508449
F5	F5	5835.771884	4101.973075	1342.855053	
4256.535325					
TMEM50B	TMEM50B	2315.801087	2370.389987	4789.278259	
3590.950842					
BIN3	BIN3	2510.248725	3425.5893	2256.246488	
2188.132556					
CMAS	CMAS	3992.033436	5144.985293	3502.673119	
3698.424824					
METTL18	METTL18	910.1555106	656.0719501	1235.712362	
1564.972013					
ZNF622	ZNF622	3252.898137	5032.254664	4538.385793	
3670.142197					
EPHB1	EPHB1	113.6230174	96.48116913	0	32.05364364
MPRIP	MPRIP	3134.589635	3009.196886	1937.496984	
2193.789081					
ITGB5	ITGB5	25.7701689	12.18709505	106.2498346	
63.16453306					
GGT1	GGT1	4147.825821	6821.726453	1298.212265	
2252.239843					
NUP43	NUP43	2080.355453	1058.246087	1008.927001	
1346.253033					
SETD9	SETD9	467.3771541	440.7666043	571.4276819	
456.2930448					
WDR36	WDR36	5518.330258	4909.368122	5116.063465	
5930.866828					
CELA2A	CELA2A	3.51411394	2.031182508	0	2.828262674
SLC47A2	SLC47A2	4.685485254	0	1.785711506	0

SNX21	SNX21	630.1977666	705.8359216	475.8921164
483.6329173				
UHRF2	UHRF2	2812.462524	2289.142687	2091.068174
2856.545301				
FNIP2	FNIP2	1067.119267	1270.504659	1562.497568
1224.637738				
PERM1	PERM1	9.370970508	9.140321286	6.249990271
4.713771124				
CCDC173	CCDC173	1.171371313	2.031182508	12.49998054
6.599279573				
NXPE3	NXPE3	3039.708558	3247.86083	5346.420249
3701.253086				
MIR4461	MIR4461	1.171371313	0	0
MIR4458	MIR4458	2.342742627	5.07795627	4.464278765
0.942754225				
EBLN2	EBLN2	171.0202118	78.20052656	108.9284019
91.4471598				
SAMD4B	SAMD4B	1444.30083	943.484275	1303.569399
1409.417566				
GOLGA3	GOLGA3	2127.210305	1779.315877	1811.604323
1517.834302				
TAF5L	TAF5L	988.6373886	300.6150112	251.7853224
271.5132167				
GPD1L	GPD1L	1536.839163	1513.230969	1230.355228
1155.81668				
LGALS14	LGALS14	0	2.031182508	13.3928363
CEP135	CEP135	1415.016547	1159.805212	3.771016899
1591.369131				
CCDC28A	CCDC28A	1857.794903	1942.826069	1281.248006
2146.65137				
GRB7	GRB7	3.51411394	19.29623383	2935.709716
5.656525348				
PIP5KL1	PIP5KL1	5.856856567	12.18709505	19.64282657
27.33987252				
AP5Z1	AP5Z1	3275.154192	4316.26283	26.78567259
3181.795508				
SV2A	SV2A	144.0786716	108.6682642	4411.600276
303.5668604				
CACNA2D3	CACNA2D3		0	341.0708977
1.885508449				
RQCD1	RQCD1	5781.888803	7715.446757	0.892855753
3693.711052				
SNORA43	SNORA43	12.88508445	9.140321286	4434.814525
16.02682182				
SNORA80E	SNORA80E		7.028227881	44.64278765
3.571423012				
RFPL1S	RFPL1S	7.028227881	0	6.093547524
SNORA40	SNORA40	39.82662466	0	32.14280711
46.19495701				9.427542247
ALOX12P2	ALOX12P2		23.35859884	32.14280711
			86.6814772	96.48116913

110.7141134	30.16813519			
TMEM127	TMEM127	5658.894815	6287.525454	5698.205416
5631.070984				
SNORD72	SNORD72	5.856856567	6.093547524	1.785711506
2.828262674				
SNORD74	SNORD74	12.88508445	11.17150379	8.035701777
17.91233027				
HINFP	HINFP	1618.835155	2165.240554	2906.245476
2168.334717				
FKBP7	FKBP7	133.5363297	155.3854619	91.96414256
111.2449985				
HIST1H1B	HIST1H1B		1138.572917	1261.364338
326.7852056	241.3450815			
TTC33	TTC33	1482.956083	1388.313244	1450.890599
1784.633747				
HIST1H1D	HIST1H1D		2915.543199	2115.476582
2064.282501	975.7506226			
HIST1H1C	HIST1H1C		2307.601488	2067.743793
1608.926067	1007.804266			
PPP2R5B	PPP2R5B	750.8490119	627.635395	808.0344565
630.7025763				
PSMG3-AS1	PSMG3-AS1		455.6634409	632.7133513
407.1422234	526.9996116			
CSNK1A1P1	CSNK1A1P1		0	0
LINC01126	LINC01126		11.71371313	9.140321286
8.92855753	0			
TJAP1	TJAP1	969.8954475	943.484275	1177.676738
1182.213798				
ZNF524	ZNF524	1069.462009	1304.01917	922.3199929
997.4339697				
FBLN7	FBLN7	523.6029771	1603.61859	2164.282345
1844.027264				
ARHGEF19	ARHGEF19		387.7239048	649.9784026
638.3918634	416.6973673			
GJB4	GJB4	0	0	1.885508449
KIF5B	KIF5B	9735.266986	9296.72234	8746.414957
9072.123904				
NEURL4	NEURL4	484.9477238	172.6505132	331.2494844
366.7313934				
TCFL5	TCFL5	169.8488405	73.12257029	131.2497957
247.0016069				
TCAP	TCAP	1.171371313	11.17150379	26.78567259
0.942754225				
SRSF2	SRSF2	21933.92784	22772.60269	17467.82995
19301.00724				
RFC4	RFC4	4968.957112	5090.143365	2430.35336
3671.084951				
SMARCC1	SMARCC1	10897.26733	8876.26756	5909.812229
8350.916923				
LOC100093631	LOC100093631		217.8750643	217.3365284

189.2854196	224.3755055			
ACTN3 ACTN3	23.42742627	14.21827756	16.07140355	
7.542033798				
GCH1 GCH1	7126.623071	7007.579653	5380.348768	
4305.558544				
CHAC1 CHAC1	92.53833376	122.8865417	581.2490952	
398.7850371				
METTL22 METTL22	637.2259945	728.1789292	672.320382	
721.2069819				
FBXW12 FBXW12	0 0	16.96425931	0	
LRP3 LRP3	4.685485254	8.124730032	15.1785478	
8.484788022				
LRRC29 LRRC29	130.0222158	115.777403	135.7140745	
92.38991402				
PTPRK PTPRK	652.4538216	1010.513298	677.6775165	
398.7850371				
MAPK8 MAPK8	921.8692237	565.6843285	707.1417564	
596.7634242				
IRF1 IRF1	16120.41202	20006.13211	48704.38847	
33355.58722				
ITGA9 ITGA9	51.54033779	42.65483267	0.892855753	
9.427542247				
TNRC18 TNRC18	409.9799597	145.2295493	172.3211603	
326.1929618				
ARID4B ARID4B	3959.235039	3593.161857	6878.560721	
6512.546184				
GINS2 GINS2	5137.634581	6628.764115	2741.960018	
3471.221055				
MIR3648-1	MIR3648-1	22.25605496	7.109138778	
36.60708587	18.85508449			
LINC01094	LINC01094	10.54234182	7.109138778	0
0				
TRAPPC5 TRAPPC5	2585.216489	3242.782874	2363.389178	
2122.13976				
ANKRD62P1-PARP4P3	ANKRD62P1-PARP4P3	0	0	
1.785711506	0			
ARPC5 ARPC5	38092.99511	37692.6538	18708.89945	
25206.41971				
UBL4A UBL4A	4909.217175	6851.1786	4166.064944	
4494.109389				
CBY1 CBY1	353.7541367	410.2988666	533.9277403	
549.625713				
AIMP1 AIMP1	2787.863726	3310.827488	2858.924121	
3044.153392				
TMF1 TMF1	4062.315715	4715.390193	4442.850227	
4220.710664				
JAK1 JAK1	30151.09761	27609.86383	32728.52048	
32663.60562				
C10orf32	C10orf32	1040.177726	1031.840714	
933.0342619	1165.244222			

RBM4	RBM4	6633.475748	7817.005882	9003.557414
8120.884892				
FAM24B	FAM24B	174.5343257	118.8241767	191.9639869
229.0892766				
HAUS7	HAUS7	1731.286801	2504.448032	1804.461477
1910.020059				
HSP90AB4P	HSP90AB4P		18.74194102	4.062365016
28.5713841		11.3130507		
UGDH	UGDH	2493.849526	2768.501759	3167.852212
3369.403599				
MTF2	MTF2	6087.616716	6728.292058	4136.600704
4693.030531				
CCNL2	CCNL2	3818.670482	3445.901125	5216.063309
5397.267936				
GST02	GST02	35.1411394	24.3741901	110.7141134
77.30584643				
PDYN	PDYN	0	10.71426904	0
		0		
CCNI2	CCNI2	302.2137989	717.0074254	321.4280711
341.2770293				
ARHGAP9	ARHGAP9	7884.500311	7994.734352	3530.351647
5750.800771				
TMED6	TMED6	28.11291152	14.21827756	24.99996108
16.96957604				
CEP152	CEP152	2415.367648	2362.265257	1267.855169
2133.452811				
SCYL2	SCYL2	3863.182592	3624.645186	2842.852718
3367.518091				
SEC23IP	SEC23IP	7722.85107	7968.328979	5364.277364
6209.922078				
ARR3	ARR3	12.88508445	9.140321286	3.571423012
8.484788022				
MRPL57	MRPL57	4748.739305	5194.749264	4528.564379
4373.436848				
ACAT1	ACAT1	6786.92539	9599.368533	4158.029242
5138.010525				
PPFIBP1	PPFIBP1	466.2057828	675.3681839	386.6065411
168.7530062				
TIAF1	TIAF1	1013.236186	566.6999198	433.927896
527.9423658				
FNBP4	FNBP4	3640.622042	2634.443713	5356.241662
4577.071761				
MTG1	MTG1	3043.222672	3014.274842	2946.423985
3163.883178				
TMEM79	TMEM79	657.1393069	516.9359483	1080.355461
817.3679128				
PRPF19	PRPF19	1573.151674	545.3725034	578.570528
452.5220279				
LINC00521	LINC00521		2.342742627	4.062365016
9.821413283		0		
SPACA6P	SPACA6P	11.71371313	5.07795627	64.28561422

19.79783872					
HINT1 HINT1	18658.77365	20112.7692	12268.7309		
13176.8758					
GHRL05 GHRL05	253.0162037	183.822017	171.4283046		
181.0088111					
KBTBD4 KBTBD4	4018.974976	4793.590719	4062.493676		
3682.398002					
RNF135 RNF135	810.5889489	982.0767427	517.8563368		
782.4860065					
NUDT9 NUDT9	754.3631259	940.4375013	1428.569205		
1206.725408					
FAM217A FAM217A	0 0	0.892855753	12.25580492		
TMEM132D TMEM132D		0 4.062365016	0	0	0
GRIN3A GRIN3A	11.71371313	3.046773762	7.142846024		
8.484788022					
AMOTL1 AMOTL1	154.6210134	166.5569657	8.92855753		
18.85508449					
RNF152 RNF152	0 0	0.892855753	6.599279573		
CCDC83 CCDC83	0 3.046773762	0	0		
TYSND1 TYSND1	1208.855195	1228.865417	1230.355228		
1811.97362					
CCDC171 CCDC171	94.88107639	93.43439537	74.99988325		
88.61889712					
LBH LBH	13936.97589	9948.731925	16857.11662		
17757.71858					
TRIM8 TRIM8	3245.86991	2840.608738	2116.068135		
2493.584924					
EXOSC6 EXOSC6	2854.631891	4328.449925	3019.638157		
2585.974838					
YTHDC2 YTHDC2	2295.887774	1649.320197	1888.389918		
2503.012467					
TES TES	9921.515025	12079.44238	9176.77143		
8243.442941					
ZNF441 ZNF441	442.7783565	292.4902812	2015.175435		
2104.22743					
DHDH DHDH	22.25605496	37.5768764	58.9284797		
50.90872813					
LRRC8D LRRC8D	3421.575607	2918.809264	4353.564652		
4378.15062					
HNRNPD L HNRNPD L	9572.446374	8173.478413	11945.51712		
12103.07874					
ELM02 ELM02	7038.770223	8557.371907	7513.381162		
6470.122244					
RBAK-RBAKDN RBAK-RBAKDN		163.9919839	129.9956805		
276.7852834 247.9443611					
TACR2 TACR2	2.342742627	3.046773762	0 9.427542247		
LOC644656 LOC644656		77.31050669	90.38762161		
54.46420093 52.79423658					
ZFP37 ZFP37	30.45565415	82.26289158	333.0351959		
155.5544471					

KCNJ2-AS1	KCNJ2-AS1	2.342742627	0	0	0
PTPN22	PTPN22	10463.85994	9352.579859	3627.672925	
6653.016564					
CES3	CES3	31.62702546	40.62365016	33.92851862	
29.22538097					
CFI	CFI	10.54234182	4.062365016	0	11.3130507
THOC7-AS1	THOC7-AS1	1.171371313	1.171371313	1.015591254	0
1.885508449					
CTBP1-AS	CTBP1-AS	3682.79141	3682.79141	3086.381821	
2450.889042	2576.547296				
ZNF471	ZNF471	3.51411394	5.07795627	5.357134518	
32.05364364					
ARHGAP20	ARHGAP20	3.51411394	3.51411394	2.031182508	0
0					
RAD52	RAD52	538.8308042	437.7198305	700.8917661	
756.0888882					
STAMPB	STAMPB	3514.11394	3665.268836	3038.388128	
3655.058129					
TM4SF19	TM4SF19	4.685485254	2.031182508	36.60708587	
12.25580492					
GLI4	GLI4	347.8972801	253.8978135	275.8924277	
268.684954					
ISCA1	ISCA1	2293.545032	2285.080322	2903.566909	
2929.137376					
KIF9	KIF9	178.0484396	193.9779295	124.1069497	
160.2682182					
EIF3CL	EIF3CL	1240.482221	2113.4454	1486.604829	
1597.025657					
ANKRD16	ANKRD16	297.5283136	370.6908077	591.9633643	
432.7241891					
RAP1B	RAP1B	15560.49653	16068.68482	14702.65569	
16043.7914					
IL12B	IL12B	29.28428284	17.26505132	0	8.484788022
ABHD14A	ABHD14A	841.0446031	1114.103606	1681.247383	
1273.660958					
SYNJ2BP	SYNJ2BP	456.8348122	471.2343419	915.1771469	
1039.85791					
STARD8	STARD8	14.05645576	42.65483267	2.678567259	
3.771016899					
RAB5B	RAB5B	4171.253247	3234.658144	4283.921903	
4291.417231					
PKMYT1	PKMYT1	7124.280328	8817.363268	3045.530974	
3940.712659					
TARS	TARS	10258.86996	12652.23584	13545.51463	
11594.93421					
ZNF547	ZNF547	276.44363	294.5214637	686.6060741	
524.1713489					
DNAH17	DNAH17	368.9819637	370.6908077	377.6779835	
384.6437237					
USP39	USP39	7527.23206	8819.39445	6989.274835	

5943.122633					
FAM132B	FAM132B	1.171371313	15.23386881	0	4.713771124
DPH5	DPH5	1304.907643	1895.09328	1343.747908	
1504.635743					
PPA2	PPA2	3928.779385	4331.496699	3319.63769	
3770.074145					
ARMS2	ARMS2	0	7.142846024	0	
POMT2	POMT2	313.927512	240.6951272	416.9636367	
328.0784702					
NSUN7	NSUN7	3.51411394	0	11.60712479	0
TTI2	TTI2	3733.160376	4482.819795	3572.315868	
3624.889994					
SFXN3	SFXN3	1760.571084	1415.734208	1384.819273	
1841.199001					
CDHR5	CDHR5	4.685485254	0	3.571423012	1.885508449
SAC3D1	SAC3D1	1668.03275	2137.81959	1159.819623	
1070.968799					
RBP5	RBP5	1.171371313	8.124730032	16.96425931	
20.74059294					
L3MBTL2	L3MBTL2	4399.670653	5727.934673	3986.600937	
4004.819947					
OR10A5	OR10A5	2.342742627	0	0	0
MTRF1L	MTRF1L	890.2421982	1320.26863	891.0700415	
782.4860065					
HES2	HES2	58.56856567	35.54569389	29.46423985	0
YME1L1	YME1L1	14770.99226	17063.96425	13463.3719	
13141.99389					
LRRC73	LRRC73	4.685485254	0	0	0
PLAC9	PLAC9	4.685485254	7.109138778	7.142846024	0
FAM209A	FAM209A	17.5705697	15.23386881	27.67852834	
7.542033798					
SPIN4	SPIN4	436.9214999	315.84888	217.8568037	
180.0660569					
OCIAD2	OCIAD2	4855.334094	6945.628586	6716.95383	
5006.967687					
CDR1	CDR1	3.51411394	1.015591254	0	0
SURF6	SURF6	1306.079015	1812.830388	2328.567804	
2091.971625					
C1orf52	C1orf52	1320.13547	1282.691754	1547.31902	
1576.285064					
TTBK1	TTBK1	26.94154021	2.031182508	0	14.14131337
HEATR9	HEATR9	10.54234182	12.18709505	0	13.19855915
SWT1	SWT1	324.4698538	318.8956538	933.9271177	
609.0192292					
OR7E14P	OR7E14P	2.342742627	6.093547524	3.571423012	
10.37029647					
UGT2A2	UGT2A2	0	4.062365016	0	0
WDR38	WDR38	462.6916688	503.733262	495.5349429	
481.7474088					
MIR4741	MIR4741	80.82462063	134.0580455	59.82133545	

69.76381263				
POTEE POTEE	70.28227881	69.06020528	17.85711506	
25.45436407				
GABRR3 GABRR3	3.51411394	1.015591254	0	0
ICA1 ICA1	189.7621528	123.902133	190.1782754	
250.7726238				
ZNF236 ZNF236	1041.349098	807.395047	854.4629556	
1153.931171				
TCF25 TCF25	5013.469222	5936.13088	8099.987391	
6439.954109				
ELP3 ELP3	3443.831662	4430.00905	3910.708198	
3648.45885				
SGMS2 SGMS2	43.3407386	35.54569389	48.21421066	
26.39711829				
GPCPD1 GPCPD1	1882.393701	1884.937368	3171.423635	
3126.173009				
OAT OAT	4154.854049	5896.522821	4874.992412	
4831.615402				
CCR2 CCR2	5325.053991	9930.451282	1200.890988	
3178.967246				
TBC1D3 TBC1D3	69.11090749	30.46773762	64.28561422	
82.01961755				
DDHD1 DDHD1	4320.017404	4498.053664	4694.635549	
5153.094592				
CPOX CPOX	6111.044142	7348.818314	2851.781275	
3967.109778				
CDR2 CDR2	5702.235554	6112.843758	4790.171115	
4929.661841				
GLRA1 GLRA1	1.171371313	0	6.249990271	1.885508449
NLRP2 NLRP2	836.3591178	343.2698439	94.64270982	
312.9944026				
C2orf83 C2orf83	0	1.015591254	0	0
ENPP3 ENPP3	25.7701689	63.98224901	51.78563368	
9.427542247				
UBQLNL UBQLNL	3.51411394	1.015591254	0	0.942754225
KCTD3 KCTD3	480.2622385	656.0719501	154.4640453	
261.1429202				
FSTL5 FSTL5	0	0	0	0.942754225
BAGE2 BAGE2	0	0	0	0.942754225
KPNA2 KPNA2	27968.83285	40324.05074	16309.79604	
22773.17105				
KPNB1 KPNB1	9041.815169	5315.604624	5361.598797	
6008.172674				
SLC35A3 SLC35A3	1123.34509	888.6423473	1052.676933	
1228.408755				
SP2 SP2	1668.03275	864.2681572	1047.319798	
836.2229973				
RNASEH2B	RNASEH2B	4496.894472	4077.598885	
2296.424997	2910.282292			
MIIP MIIP	2253.718407	3389.028015	2928.56687	

2483.214628				
DYX1C1	DYX1C1	16.39919839	24.3741901	10.71426904
23.56885562				
TMEM180	TMEM180	1037.834984	321.9424275	374.1065605
759.8599051				
CSPP1	CSPP1	586.857028	542.3257297	974.9984823
754.2033798				
RNU6-72P	RNU6-72P	0	0	5.357134518
5.656525348				
RNU6-78P	RNU6-78P	1.171371313		2.031182508
8.035701777	6.599279573			
RNU6-83P	RNU6-83P	1.171371313	0	0.892855753
0				
RAB36	RAB36	5.856856567	5.07795627	89.2855753
70.70656685				
NDRG1	NDRG1	2587.559231	2557.258778	2139.282384
2160.792683				
LRRC71	LRRC71	0	0	0.892855753
LZTR1	LZTR1	2405.996678	1821.97071	1858.032822
2218.300691				
LYZ	LYZ	183.9052962	3906.979554	708.9274679
22.62610139				
RNPEPL1	RNPEPL1	7625.627251	8534.013308	4414.278843
5568.849205				
KLHL34	KLHL34	15.22782708	31.48332888	133.928363
117.8442781				
LIN7A	LIN7A	7.028227881	16.24946006	1.785711506
2.828262674				
DCUN1D1	DCUN1D1	3714.418435	3305.749532	2507.138955
3011.156994				
RAVER1	RAVER1	5232.515657	3040.680215	2353.567765
2363.484841				
LDHD	LDHD	18.74194102	13.2026863	21.42853807
16.96957604				
COPS3	COPS3	9025.41597	10210.75447	6516.954141
7007.492152				
TRIM39-RPP21	TRIM39-RPP21	432.1421845	38.65525334	191.946747
66.93554995				
UBE2L3	UBE2L3	11787.50953	15135.35646	8693.736467
9515.21839				
LINC00597	LINC00597	5.856856567	0	12.49998054
0				
RUNX1-IT1	RUNX1-IT1	221.4282268	159.3064986	88.3564391
186.6653365				
LINC00887	LINC00887	9.821413283	120.6512453	43.67042392
27.33987252				
LINC00638	LINC00638	247.3210436	15.22782708	23.35859884
88.61889712				
RNF165	RNF165	4.685485254	6.093547524	0.892855753
6.599279573				

LINC00689	LINC00689		15.22782708	10.15591254	0
	31.11088942				
PHKB	PHKB	3929.950757	3680.502705	2089.282462	
2920.652588					
NNT-AS1	NNT-AS1	523.6029771	477.3278894	435.7136075	
425.1821553					
EPN2-IT1	EPN2-IT1		5.856856567	3.046773762	0
	2.828262674				
FER1L6-AS2	FER1L6-AS2		0	0	0.942754225
FDPS	FDPS	9657.956479	11235.48604	5675.884022	
7335.570623					
XRN1	XRN1	5942.366673	4388.369809	8805.343436	
9006.131109					
ZFP82	ZFP82	347.8972801	349.3633914	1214.283824	
1326.455194					
NOL4L	NOL4L	661.8247921	399.1273628	1166.069613	
1741.267053					
GLRX2	GLRX2	821.1312907	865.2837485	568.7491147	
731.5772784					
FGD5-AS1	FGD5-AS1		4712.426794	2959.432914	
4831.24248	4512.964474				
CHEK1	CHEK1	4486.352131	4388.369809	1864.282812	
2504.897975					
LOC100507600	LOC100507600		117.1371313	134.0580455	
69.64274874	49.96597391				
LOC646626	LOC646626		263.5585455	354.4413477	
314.2852251	293.1965639				
CCDC148	CCDC148	0	5.07795627	0.892855753	0
MAMSTR	MAMSTR	57.39719436	66.01343151	113.3926806	
94.27542247					
RBM45	RBM45	1169.028571	1393.391201	727.6774387	
789.0852861					
KCNQ5	KCNQ5	193.2762667	243.741901	140.1783532	
129.1573288					
PLCD4	PLCD4	37.48388203	24.3741901	84.82129654	
101.8174563					
PTPLAD1	PTPLAD1	6515.167245	7650.448917	4927.670901	
5172.892431					
SLC39A13	SLC39A13		1507.55488	1754.941687	
2132.139538	2169.277471				
FAM66A	FAM66A	11.71371313	6.093547524	12.49998054	
26.39711829					
VPS45	VPS45	2687.125793	2882.247979	2191.960874	
2393.652977					
HARS2	HARS2	2547.732607	3011.228068	3549.994474	
2775.468438					
BRE-AS1	BRE-AS1	268.2440308	378.8155378	240.1781976	
296.9675808					
LPAR1	LPAR1	0	0	6.599279573	
CSRNP3	CSRNP3	0	0	0.892855753	0

DUSP4	DUSP4	16437.85364	16272.81866	5858.919451	
8036.037011					
EEF1A1	EEF1A1	87813.02188	115643.3449	154512.2595	
143358.9784					
ZNF816-ZNF321P	ZNF816-ZNF321P	474.9992606	203.8186085	244.7574922	
449.6937652					
METTL2B	METTL2B	1307.250386	1682.834708	1442.854897	
1277.431974					
KIAA1211	KIAA1211		10.54234182	16.24946006	0
0					
HELZ	HELZ	7210.961806	5448.647078	5306.24174	
6495.576608					
ZKSCAN7	ZKSCAN7	52.71170911	37.5768764	197.3211214	
234.745802					
GPRC5C	GPRC5C	1.171371313	2.031182508	13.3928363	0
SLC35E3	SLC35E3	687.594961	845.9875146	487.4992412	
721.2069819					
LENEP	LENEP	2.342742627	2.031182508	7.142846024	0
BTN3A3	BTN3A3	2046.385685	1860.563177	9058.021614	
5959.149454					
ZNF10	ZNF10	241.3024906	225.4612584	975.8913381	
526.0568574					
RNF5	RNF5	0	1.015591254	2.678567259	0.942754225
RIT1	RIT1	1361.133466	1468.544953	1188.391007	
1527.261844					
RLN1	RLN1	49.19759517	39.60805891	99.99984434	
26.39711829					
DDX52	DDX52	3857.325735	4365.01121	2562.496011	
3168.596949					
FAM114A1	FAM114A1		32.79839678	43.67042392	
44.64278765		16.02682182			
KRTCAP2	KRTCAP2	4337.587974	4191.345105	4409.814564	
4401.719475					
APOA1	APOA1	0	4.062365016	3.571423012	1.885508449
ABCD1	ABCD1	282.3004865	107.6526729	144.642632	
137.6421168					
CEACAM3	CEACAM3	1.171371313	1.015591254	1.785711506	0
ENTPD2	ENTPD2	24.59879758	23.35859884	9.821413283	
20.74059294					
EPS8	EPS8	22.25605496	57.88870148	225.8925055	
198.9211414					
LAMC1	LAMC1	4.685485254	7.109138778	23.21424958	
1.885508449					
C10orf120	C10orf120		0	0	0.942754225
BVES	BVES	86.6814772	4.062365016	0	16.02682182
CALY	CALY	0	61.60704696	12.25580492	
ADCY6	ADCY6	5.856856567	11.17150379	0	0
LRIF1	LRIF1	1946.819123	1951.96639	3190.173606	
2390.824714					
CENPJ	CENPJ	1473.585112	1607.680955	699.9989104	

853.1925734					
CCDC162P	CCDC162P	0	0	0	2.828262674
MRPL23-AS1	MRPL23-AS1	2.342742627		0	16.07140355
	2.828262674				
LINC00704	LINC00704	1.171371313		0	0 0
MIR623 MIR623	1.171371313	0	0	0	
ALKBH3-AS1	ALKBH3-AS1	12.88508445		11.17150379	
13.3928363	7.542033798				
TMEM126A	TMEM126A	2280.659947		1797.59652	
1252.676622	1781.805485				
CTU1 CTU1	480.2622385	660.1343151		474.1064049	
378.9871983					
BTRC BTRC	1676.23235	1919.46747		2139.282384	
2206.98764					
TVP23C TVP23C	202.6472372	257.9601785		288.3924082	
229.0892766					
ZBTB49 ZBTB49	399.4376179	352.4101652		1032.141251	
658.9852031					
UBR1 UBR1	4564.834009	3474.33768		3100.88803	
3550.41241					
KHDRBS1 KHDRBS1	14043.57068	14094.37542		11678.55325	
12582.94064					
POLR2L POLR2L	4965.442998	5178.499804		3299.102007	
3125.230255					
ZWINT ZWINT	14878.75842	17539.26096		6041.954881	
8212.332051					
APOBEC2 APOBEC2	55.05445173	24.3741901		66.07132572	
63.16453306					
STAT5B STAT5B	13204.86882	9130.165374		9839.270398	
10600.3285					
SF3B3 SF3B3	22786.68616	24816.98788		18149.97175	
19200.13254					
FHL3 FHL3	746.1635267	1005.435342		624.1061714	
533.5988912					
SRM SRM	12020.61242	18189.23936		11475.87499	
10556.96181					
GOLGA6L5P	GOLGA6L5P	5.856856567		9.140321286	
32.14280711	25.45436407				
C6orf163	C6orf163	16.39919839		10.15591254	
19.64282657	17.91233027				
TGDS TGDS	1702.002518	1757.988461		2025.889704	
1742.209807					
QRICH1 QRICH1	5367.223358	5581.689532		6153.56185	
5022.994509					
TMEM104 TMEM104	1543.867391	1900.171236		958.034223	
832.4519804					
ZSCAN10 ZSCAN10	3.51411394	5.07795627		0 0	
ADO ADO	458.0061836	172.6505132		216.0710922	
502.4880018					
ZBTB45 ZBTB45	543.5162894	298.5838287		311.6066578	

321.4791906					
ZNF514	ZNF514	58.56856567	60.93547524	92.85699832	
126.3290661					
ZC3H10	ZC3H10	561.0868591	536.2321821	1216.069536	
1046.457189					
CCDC142	CCDC142	890.2421982	881.5332085	1731.247305	
1140.732612					
STK39	STK39	2758.579443	1247.14606	698.2131989	
1804.431586					
SCARF2	SCARF2	30.45565415	16.24946006	42.85707615	
32.99639787					
TCEAL8	TCEAL8	2005.387689	1879.859411	1827.675726	
2215.472428					
MBLAC2	MBLAC2	215.5323217	200.071477	437.499319	
505.3162644					
EMR4P	EMR4P	0	0	30.3570956	37.71016899
MIR3140	MIR3140	0	1.015591254	0	0
PDXDC2P	PDXDC2P	222.5605496	158.4322356	691.0703528	
505.3162644					
TUBA3FP	TUBA3FP	11.71371313	14.21827756	47.32135491	
26.39711829					
MIR3138	MIR3138	0	0	1.785711506	0
ZFAS1	ZFAS1	1342.391525	943.484275	2439.281917	
1788.404764					
DOCK3	DOCK3	133.5363297	166.5569657	245.5353321	
220.6044886					
CDC42EP4	CDC42EP4		45.68348122	29.45214637	
77.67845051		42.42394011			
LIG4	LIG4	1101.089035	989.1858814	737.498852	
1429.215405					
NCOA6	NCOA6	2334.543028	1556.901392	1896.425619	
2311.633359					
PSD3	PSD3	32.79839678	18.28064257	0	19.79783872
HIBCH	HIBCH	1985.474376	3415.433387	1663.390268	
2046.719422					
BAI3	BAI3	0	0	2.678567259	1.885508449
TBC1D25	TBC1D25	1488.812939	1749.863731	1871.425658	
1715.812689					
OAS2	OAS2	14672.59707	18571.10167	18866.93492	
15600.69691					
NIPA2	NIPA2	7693.566787	8257.772487	7472.309797	
7475.098248					
KCNIP2	KCNIP2	14.05645576	15.23386881	33.03566286	
8.484788022					
SLC46A1	SLC46A1	846.9014596	756.6154843	667.8561033	
794.7418114					
MAL2	MAL2	0	0	16.07140355	0
CSMD1	CSMD1	0	0	8.035701777	0
LDHAL6A	LDHAL6A	24.59879758	9.140321286	75.89273901	
34.88190631					

ZAP70	ZAP70	13845.60893	10772.37643	6962.489162	
8497.986582					
HTR6	HTR6	9.370970508	1.015591254	20.53568232	
4.713771124					
PSMB10	PSMB10	14380.92562	18089.71142	13883.0141	
14734.30578					
ANP32C	ANP32C	3.51411394	1.015591254	0.892855753	
0.942754225					
PARL	PARL	4168.910505	5782.776601	3975.886668	
3883.204652					
BTF3	BTF3	14769.82089	16496.24874	13037.47971	
14779.55798					
SIL1	SIL1	1138.572917	1424.874529	902.6771663	
907.8723184					
ZBED5	ZBED5	1874.194102	1344.64282	1945.532686	
2540.722636					
GREB1L	GREB1L	5.856856567	8.124730032	13.3928363	
2.828262674					
HTATSF1	HTATSF1	5889.654964	9082.432585	6048.204871	
5826.221109					
C11orf21	C11orf21		589.1997707	558.5751897	
274.9995719	323.3646991				
PDE7B	PDE7B	1036.663612	722.0853816	124.9998054	
418.5828758					
POMGNT2	POMGNT2	776.6191808	1397.453566	1228.569516	
1019.117317					
KDM2B	KDM2B	2687.125793	1038.949853	1030.355539	
1070.968799					
JAM3	JAM3	281.1291152	227.4924409	762.4988131	
588.2786362					
PRAM1	PRAM1	9.370970508	9.140321286	3.571423012	0
SLC41A2	SLC41A2	473.2340106	291.4746899	152.6783338	
341.2770293					
SLC24A2	SLC24A2	0	0.892855753	0.942754225	
ZXDA	ZXDA	147.5927855	132.026863	368.749426	
364.845885					
ZP3	ZP3	154.6210134	47.73278894	103.5712674	
159.325464					
TMEM251	TMEM251	639.5687371	880.5176173	1215.17668	
1037.029647					
C21orf49	C21orf49		35.1411394	41.63924142	
108.9284019	102.7602105				
PART1	PART1	1.171371313	0	2.678567259	0
CTNNA3	CTNNA3	0	0.892855753	0.942754225	
KPNA1	KPNA1	6293.778067	8746.27188	7353.559982	
6729.379656					
CENPT	CENPT	2517.276953	2282.033548	2041.068251	
2390.824714					
PPIP5K2	PPIP5K2	4714.769537	3624.645186	3870.529689	
4207.512105					

KLF12	KLF12	654.7965642	437.7198305	976.7841938
1420.730617				
MEPCE	MEPCE	900.7845401	506.7800358	553.5705669
609.9619834				
COL9A2	COL9A2	980.4377894	1346.674003	670.5346705
1005.918758				
CA5A	CA5A	3.51411394	1.015591254	0 0
PSMC1	PSMC1	9563.075403	14585.92159	7565.166795
7992.670317				
OLA1	OLA1	3675.763182	4144.627908	2854.459842
3086.577332				
RSBN1	RSBN1	1615.321041	1423.858938	2687.495817
2159.849929				
SERF1A	SERF1A	30.45565415	32.49892013	53.57134518
32.05364364				
PGM5	PGM5	0 0	0 0.942754225	
ZNF148	ZNF148	3139.27512	3006.150112	4288.386182
4224.481681				
NAGPA	NAGPA	1002.693844	1713.302446	1736.60444
1181.271044				
BIRC6	BIRC6	7014.171425	3916.119876	4011.600898
4919.291545				
MAN1C1	MAN1C1	696.9659315	3360.59146	3694.637106
2646.311109				
GJA9	GJA9	11.71371313	12.18709505	16.96425931
5.656525348				
ILKAP	ILKAP	3487.1724	4267.51445	3249.994941
3212.906398				
ZNF23	ZNF23	424.0364155	473.2655244	812.4987353
717.435965				
SMG1	SMG1	3723.789405	1892.046506	3227.673547
2914.053309				
MAN1B1	MAN1B1	1686.774691	2148.991094	2766.067123
2272.980436				
HDHD2	HDHD2	2407.168049	2484.136207	1447.319176
2026.921583				
PNMAL2	PNMAL2	0 0	69.64274874	42.42394011
SLC12A5	SLC12A5	3.51411394	2.031182508	1.785711506
1.885508449				
FOXRED2	FOXRED2	1536.839163	1789.47179	1179.46245
998.376724				
AGK	AGK	6675.645115	8438.54773	3775.88698
4552.560151				
LOC554223	LOC554223		0 0	0 1.885508449
PLEKHA5	PLEKHA5	132.3649584	223.4300759	352.6780224
211.1769463				
GSS	GSS	4920.930888	6567.82864	3745.529884
4777.878411				
ARHGAP19	ARHGAP19		5254.771712	4582.347738
2317.853535	3283.612965			

ACTR3C	ACTR3C	371.3247064	456.0004731	241.9639091	
316.7654195					
RP9P	RP9P	32.79839678	43.67042392	58.9284797	
49.96597391					
IL10RA	IL10RA	21161.99415	29742.60547	19185.68442	
19931.70982					
LOC146880	LOC146880		209.6754651	105.6214904	
120.5355267	81.07686333				
LINC00924	LINC00924		0	1.785711506	0
THUMPD3-AS1	THUMPD3-AS1		495.4900656	471.2343419	
749.1059768	580.7366024				
GFOD2	GFOD2	965.2099623	1395.422383	1498.211954	
1081.339096					
SOX30	SOX30	17.5705697	32.49892013	18.74997081	
48.08046546					
CLCC1	CLCC1	2113.153849	2399.842133	1993.746897	
1831.771459					
ADRBK2	ADRBK2	2564.131805	2476.011477	529.4634615	
806.9976164					
IRF2BP1	IRF2BP1	309.2420268	176.7128782	389.2851083	
226.2610139					
UTRN	UTRN	2712.895962	2276.955592	2771.424257	
2983.817121					
EPHX1	EPHX1	96.0524477	48.74838019	104.4641231	
81.07686333					
KBTBD8	KBTBD8	1276.794732	1536.589567	1220.533814	
929.5556656					
RBM23	RBM23	6991.91537	9437.889524	9564.270826	
7625.938924					
UBE2G1	UBE2G1	11160.82587	7997.781126	5644.634071	
8048.292816					
MAP1LC3B	MAP1LC3B		10264.72682	13035.11375	
15347.29754	11925.84094				
PER2	PER2	360.7823645	339.2074789	431.2493287	
315.8226653					
CDK5RAP3	CDK5RAP3		4180.624218	4665.626221	
4029.458013	4300.844773				
IMPDH2	IMPDH2	6258.636928	7736.774173	6874.989298	
7718.328838					
PSME2	PSME2	26667.43932	37046.73777	29915.13201	
26817.58668					
RORB	RORB	2.342742627	3.046773762	0	2.828262674
CCNI	CCNI	7672.482103	5600.985766	6206.240339	
6950.926899					
IFT88	IFT88	431.0646434	491.546167	600.8919218	
487.4039342					
SLC25A51	SLC25A51		548.2017747	712.9450603	
619.6418926	629.7598221				
SLC52A3	SLC52A3	0	2.031182508	0	
PVRL4	PVRL4	5.856856567	1.015591254	10.71426904	

18.85508449				
CEP83	CEP83	476.7481246	500.6864882	408.9279349
492.1177053				
ACSL4	ACSL4	4193.509302	4152.752638	3245.530662
3627.718257				
NPAP1	NPAP1	0	1.785711506	0
SLC16A6	SLC16A6	230.7601488	72.10697904	103.5712674
70.70656685				
ZNF33B	ZNF33B	576.3146862	450.9225168	817.8558698
954.0672754				
ZNF274	ZNF274	1671.546864	2004.777135	4583.921436
3284.555719				
SLMAP	SLMAP	2736.323388	2508.510398	2765.174267
2588.803101				
ARIH1	ARIH1	2381.39788	1120.197153	1687.497373
2080.658574				
KCNQ4	KCNQ4	8.199599194	22.34300759	2.678567259
6.599279573				
LATS1	LATS1	1816.796907	1584.322356	2499.103253
2276.751453				
PBK	PBK	3053.765014	3305.749532	832.1415618
1609.281462				
TOMM70A	TOMM70A	3278.668306	3768.859144	3707.137087
4462.9985				
GLIPR1	GLIPR1	5373.080215	4322.356377	2796.424218
4672.289938				
KATNA1	KATNA1	2242.004694	2741.080795	1862.497101
2117.425989				
TSFM	TSFM	2511.420096	4039.006417	2721.424335
2289.007258				
SOS2	SOS2	1651.633552	1196.366497	3394.637573
2941.393181				
TMEM222	TMEM222	2621.529	3391.059197	3765.172711
2999.843943				
IQUB	IQUB	1.171371313	1.015591254	6.249990271
2.828262674				
SPSB3	SPSB3	2338.057142	2078.915297	3655.351453
3048.867163				
EID3	EID3	363.1251072	347.3322089	302.6781003
286.5972843				
LIPJ	LIPJ	0	12.49998054	0
AWAT1	AWAT1	0	0	0.942754225
MPST	MPST	1538.010535	2425.231915	441.9635978
673.1265164				
MIR548AZ	MIR548AZ		1.171371313	4.062365016
4.464278765	1.885508449			
FAM53A	FAM53A	40.99799597	45.70160643	29.46423985
76.3630922				
CCDC50	CCDC50	3271.640078	1179.101446	684.8203626
1465.982819				

KRTCAP3	KRTCAP3	86.6814772	46.71719769	204.4639674	
166.8674978					
AKR1A1	AKR1A1	4836.592153	7453.424213	5301.777461	
5224.743913					
LURAP1L	LURAP1L	1.171371313	0	0	
FITM1	FITM1	9.370970508	2.031182508	17.85711506	
7.542033798					
PMP22	PMP22	2.342742627	26.40537261	24.99996108	0
NAGS	NAGS	42.16936728	56.87311023	233.9282073	
94.27542247					
SP7	SP7	8.199599194	0	8.035701777	12.25580492
PPIH	PPIH	2127.210305	2282.033548	1841.961419	
1777.091714					
SLC30A9	SLC30A9	5320.368506	5004.8337	3807.136931	
4539.361592					
HMG20B	HMG20B	3317.32356	3722.141946	2861.602688	
2944.221444					
TIMM17A	TIMM17A	6036.076378	7557.014521	4788.385404	
4650.606591					
RALB	RALB	5911.911019	11162.36347	5679.455445	
5017.337984					
KCNJ4	KCNJ4	0	0	0.942754225	
PTPRN	PTPRN	0	0	7.542033798	
ACTR3	ACTR3	75653.01628	81978.52603	35052.62401	
49170.28934					
TESK2	TESK2	357.2682506	374.7531727	1264.283746	
863.5628698					
APTX	APTX	2659.012882	3747.531727	2483.924705	
2422.878358					
CYP2R1	CYP2R1	429.893272	362.5660777	637.4990077	
554.3394841					
HNRNPK	HNRNPK	74679.60672	60589.15863	57647.23169	
57552.31716					
GPR132	GPR132	2776.150013	3749.56291	2864.281256	
2398.366748					
MTRNR2L9	MTRNR2L9		2.342742627	2.031182508	
1.785711506	1.885508449				
LYPLA1	LYPLA1	8679.861433	8785.879939	4751.778318	
6238.204705					
TMEM145	TMEM145	0	3.046773762	8.92855753	3.771016899
CSNK2B	CSNK2B	735.6211849	913.0165374	758.0345343	
858.8490987					
C7orf76	C7orf76	7.028227881	0	1.785711506	0
ZMYM6NB	ZMYM6NB	2732.809274	2408.982455	3211.602144	
3935.998888					
CHAMP1	CHAMP1	1197.141482	500.6864882	516.963481	
470.4343581					
ZBED6	ZBED6	134.707701	68.04461402	55.35705669	
84.84788022					
NARS2	NARS2	1520.439965	1946.888434	1684.818806	

1709.213409				
BEST2	BEST2	1.171371313	0	0
MFAP3L	MFAP3L	17.5705697	14.21827756	63.39275847
58.45076193				
ZNF500	ZNF500	662.9961634	599.1988399	887.4986185
864.5056241				
LANCL2	LANCL2	1340.048783	1741.739001	853.5700999
1179.385535				
TEFM	TEFM	1165.514457	1121.212744	955.3556557
1206.725408				
CUZD1	CUZD1	90.19559114	57.88870148	90.17843106
81.07686333				
ATG101	ATG101	2080.355453	2691.316823	2683.924394
2305.034079				
VPS28	VPS28	3305.609847	4107.051031	4232.136269
4136.805538				
RINT1	RINT1	2820.662123	3014.274842	1924.997004
2722.674201				
FDPSP2	FDPSP2	53.88308042	33.51451138	54.46420093
36.76741476				
ZNF37BP	ZNF37BP	493.147323	200.071477	914.2842911
838.1085058				
EME2	EME2	87.85284851	20.31182508	16.96425931
48.08046546				
SNORA78	SNORA78	28.11291152	9.140321286	46.42849916
28.28262674				
SNORA77	SNORA77	8.199599194	7.109138778	2.678567259
3.771016899				
ZDHHC2	ZDHHC2	875.0143712	472.2499331	658.9275457
849.4215565				
TCP10L	TCP10L	50.36896648	80.23170907	17.85711506
65.99279573				
C18orf8	C18orf8	4609.346118	5185.608943	6066.061986
4710.000107				
C2CD2L	C2CD2L	1430.244374	1647.289014	1495.533386
1415.074091				
COLCA2	COLCA2	0	0	12.25580492
MIR3134	MIR3134	18.74194102	12.18709505	11.60712479
14.14131337				
CCDC112	CCDC112	35.1411394	43.67042392	149.9997665
167.810252				
TRPM5	TRPM5	5.856856567	0	0
MORC2	MORC2	2466.907986	2361.249666	1741.961574
1761.064892				
NUDT22	NUDT22	2384.911994	2792.875949	1636.604595
2088.200608				
PPIL1	PPIL1	3668.734954	3823.701072	2410.710533
3356.20504				
ELK3	ELK3	3288.039277	2206.879795	1858.925678
2506.783484				

COL24A1	COL24A1	0	11.17150379	4.464278765	1.885508449
HEMK1	HEMK1	876.1857425	1345.658412	1387.49784	
1301.943584					
TTF1	TTF1	1270.937875	1330.424543	1073.212615	
1208.610916					
RASSF3	RASSF3	297.5283136	122.8865417	107.1426904	
104.6457189					
TMPRSS11F	TMPRSS11F	0	0	9.821413283	0
C9orf78	C9orf78	7761.506323	9916.233005	9807.127591	
9123.975387					
IL23A	IL23A	839.8732318	1311.128309	417.8564924	
460.0640617					
CERCAM	CERCAM	18.74194102	55.85751897	106.2498346	
86.73338867					
FAM133B	FAM133B	790.6756366	817.5509595	1020.534126	
898.4447762					
SLC2A8	SLC2A8	872.6716285	1122.228336	345.5351764	
336.5632582					
SLC39A2	SLC39A2	1.171371313	0	0	0
BRD1	BRD1	783.6474087	591.0741099	566.9634032	
714.6077023					
LEPREL4	LEPREL4	36.31251072	59.91988399	203.5711117	
150.840676					
RNU11	RNU11	3.51411394	9.140321286	9.821413283	
8.484788022					
SNORD1C	SNORD1C	0	3.046773762	4.464278765	10.37029647
SNORD1B	SNORD1B	2.342742627	0	12.49998054	6.599279573
NUTM2G	NUTM2G	35.1411394	9.140321286	66.96418148	
18.85508449					
AGBL5-AS1	AGBL5-AS1		1.171371313	4.062365016	
3.571423012	4.713771124				
PRNCR1	PRNCR1	1.171371313	2.031182508	2.678567259	
2.828262674					
PVRL1	PVRL1	5.856856567	18.28064257	18.74997081	
9.427542247					
PPP1R37	PPP1R37	137.0504437	46.71719769	56.24991244	
61.27902461					
USP3	USP3	3929.950757	3378.872102	4397.314584	
4513.907228					
SNAR-G2	SNAR-G2	1.171371313	1.015591254	0	0
STOML1	STOML1	556.4013739	850.0498796	839.2844078	
506.2590187					
ST14	ST14	0	6.093547524	130.3569399	0
LOC441242	LOC441242		226.0746635	241.7107185	
262.4995914	310.1661399				
TGFB1I1	TGFB1I1	45.68348122	12.18709505	15.1785478	
77.30584643					
ZNF286B	ZNF286B	66.76816487	70.07579653	132.1426514	
109.3594901					
PTCHD2	PTCHD2	12.88508445	7.109138778	22.32139383	

9.427542247						
TM2D1	TM2D1	1413.845175	1273.551433	1312.497957		
1364.165363						
ESF1	ESF1	878.5284851	1053.16813	1366.962158		
1341.539262						
FAM206A	FAM206A	1359.962095	1576.197626	1955.354099		
1761.064892						
ZAK	ZAK	2777.321384	2535.931361	596.427643		
1175.614518						
MIR7113	MIR7113	59.73993699	58.90429273	137.499786		
110.3022443						
MARVELD2	MARVELD2		4.685485254	19.29623383		
121.4283824		22.62610139				
REV1	REV1	2127.210305	1805.72125	2849.102708		
2702.876362						
SEC31B	SEC31B	1487.641568	854.1122447	684.8203626		
1043.628927						
ZBTB2	ZBTB2	2643.785054	2689.285641	3458.923187		
3016.813519						
TMOD3	TMOD3	8381.161748	7497.094637	4589.278571		
6588.909277						
LRRC17	LRRC17	5.856856567	3.046773762	17.85711506		0
NT5DC3	NT5DC3	290.5000857	192.9623383	310.7138021		
315.8226653						
HCG2040054	HCG2040054		0	4.464278765		0
VPS33B	VPS33B	1441.958087	1568.072896	1916.068446		
1599.853919						
ECEL1	ECEL1	3.51411394	4.062365016	56.24991244		
86.73338867						
KIR2DS2	KIR2DS2	0	0	9.427542247		
ADRB1	ADRB1	0	0	2.678567259		
FLCN	FLCN	753.1917546	762.7090318	788.3916299		
800.3983368						
CCRN4L	CCRN4L	92.53833376	77.18493531	59.82133545		
70.70656685						
ZNF197	ZNF197	550.5445173	592.0897011	690.1774971		
823.0244382						
DGKE	DGKE	1302.564901	1040.981035	1165.176758		
1477.29587						
LOC102724084	LOC102724084		2.342742627	0		0
0.942754225						
PPIAL4B	PPIAL4B	0	0	0.892855753		0.942754225
SH3PXD2B	SH3PXD2B		1.171371313	0		0
DPH1	DPH1	5138.805952	7238.118868	4831.24248		
4643.064557						
ZHX1-C8orf76	ZHX1-C8orf76		1648.119438	2003.761544		
1291.069419		1402.818286				
ETV4	ETV4	69.11090749	129.9956805	92.85699832		
77.30584643						
SRD5A3-AS1	SRD5A3-AS1		8.199599194	16.24946006		

24.10710533	2.828262674			
C1QTNF3-AMACR	C1QTNF3-AMACR	474.405382	696.6956003	
777.6773609	773.0584643			
MIR941-2	MIR941-2	0	1.015591254	0
0.942754225				
PPP1R3C	PPP1R3C	1.171371313	0	0
ASPA	ASPA	0	0	6.249990271
TMED5	TMED5	4568.348122	4321.340786	4289.279038
4044.415624				
MIR9-1	MIR9-1	0	0	1.785711506
ROCK1P1	ROCK1P1	4.685485254	2.031182508	0.942754225
27.33987252				4.464278765
LOC100506747	LOC100506747		17.5705697	35.54569389
41.96422039	12.25580492			
MIR146A	MIR146A	29.28428284	17.26505132	6.249990271
7.542033798				
MIR152	MIR152	1.171371313	0	0
MIR142	MIR142	115.96576	25.38978135	37.49994163
69.76381263				
MIR133A1	MIR133A1	0	0	0
DUSP6	DUSP6	2348.599483	8670.102536	941.9628194
1898.707009				2.828262674
GAP43	GAP43	0	2.031182508	0
GABRR2	GABRR2	1.171371313	0	1.885508449
CDKL2	CDKL2	108.9375322	56.87311023	50.89277792
73.53482953				7.542033798
RAG1	RAG1	0	9.140321286	73.21417175
IL6R	IL6R	431.0646434	359.5193039	29.22538097
2365.37035				2427.674792
GSTM1	GSTM1	3101.791238	5.07795627	1.785711506
2885.770682				
VPS53	VPS53	1210.026567	711.9294691	978.5699053
1172.786256				
PLAU	PLAU	115.96576	357.4881214	272.3210047
102.7602105				
PLAG1	PLAG1	93.70970508	79.21611782	378.5708393
322.4219449				
RASSF1	RASSF1	4255.591982	5086.081	4115.172166
3776.673424				
PPP1R14C	PPP1R14C		1.171371313	3.046773762
45.5356434	17.91233027			
SMKR1	SMKR1	53.88308042	118.8241767	81.24987353
86.73338867				
C1QTNF9	C1QTNF9	0	0	2.678567259
SP6	SP6	0	0	1.885508449
DHH	DHH	0	0	0
CPNE5	CPNE5	100.737933	158.4322356	13.19855915
81.07686333				0
CETN3	CETN3	1021.435785	1121.212744	11.60712479
1215.210196				1047.319798

LOC101928943	LOC101928943	0	1.015591254	0	
2.828262674					
LOC101928812	LOC101928812	23.42742627		21.32741634	
49.10706642	23.56885562				
LOC101928894	LOC101928894	0	0	0	0.942754225
RFWD2 RFWD2	3934.636242	4663.595039		3927.672458	
3942.598168					
ERCC6-PGBD3	ERCC6-PGBD3	675.8812479		921.1412674	
621.4276041	780.6004981				
MIR4489 MIR4489	2.342742627	1.015591254		5.357134518	
6.599279573					
MIR4479 MIR4479	0 0	0	0.942754225		
MIR3689F	MIR3689F	0	0	0.892855753	0
MIR4485 MIR4485	1.171371313	0	0	0.942754225	
MIR4484 MIR4484	2.342742627	0	3.571423012	0	
MIR219B MIR219B	0 0	0	1.885508449		
MIR4480 MIR4480	0 0	0	2.828262674		
MIR4473 MIR4473	3.51411394	4.062365016		2.678567259	
0.942754225					
NELL1 NELL1	1.171371313	0	0	0	
TAX1BP3 TAX1BP3	2152.980474	2209.926569		1231.248083	
1152.988417					
CXXC1 CXXC1	5861.542053	6850.163009		7217.845907	
6097.734325					
MAPK9 MAPK9	3688.648266	3368.71619		2646.424452	
3283.612965					
PLA2G4C PLA2G4C	64.42542224	233.5859884		274.1067162	
65.99279573					
SDHC SDHC	5443.362494	7362.021001		4382.136036	
5946.89365					
MYE0V2 MYE0V2	3183.78723	3602.302178		2525.888925	
2183.418784					
MCTP2 MCTP2	1194.79874	1109.025649		536.6063076	
756.0888882					
LOC100131347	LOC100131347	7.028227881		17.26505132	
22.32139383	22.62610139				
PTPRG-AS1	PTPRG-AS1	78.481878		66.01343151	
47.32135491	19.79783872				
ARHGEF34P	ARHGEF34P	51.54033779		51.79515396	
44.64278765	41.48118589				
BMF BMF	323.2984825	140.1515931		401.7850889	
247.9443611					
UNC13A UNC13A	1.171371313	2.031182508		0.892855753	0
PUS7L PUS7L	1279.137474	1140.508978		1249.998054	
1298.172567					
CCDC88C CCDC88C	2941.313368	1517.293334		1716.068757	
1967.528067					
SLC4A8 SLC4A8	127.6794732	272.1784561		64.28561422	
98.04643937					
TAF11 TAF11	1874.194102	1655.413744		1132.141095	

1548.945191						
FAM157A	FAM157A	5.856856567	0	3.571423012	18.85508449	
KIF3B	KIF3B	1292.022559	990.2014727	1074.105471		
1456.555277						
MIR1281	MIR1281	16.39919839	4.062365016	8.035701777		
7.542033798						
SPOCK2	SPOCK2	23542.22066	24275.67775	17242.8303		
21930.34878						
FOXJ2	FOXJ2	2527.819294	1597.525043	3445.530351		
2723.616955						
ST6GALNAC1	ST6GALNAC1		158.1351273	144.2139581		
231.24964		165.9247436				
MRPL19	MRPL19	3571.511135	3852.137627	2425.889081		
2650.082126						
DHCR24	DHCR24	10291.66836	11832.6537	6921.417797		
7262.978547						
TATDN2	TATDN2	3271.640078	2576.555012	1908.032744		
2517.15378						
FAM184A	FAM184A	304.5565415	208.1962071	267.8567259		
274.3414794						
KDM5A	KDM5A	6754.126993	6543.45445	7273.202964		
7444.930113						
HCCS	HCCS	2103.782879	2864.982928	2295.532141		
2077.830311						
TAS2R30	TAS2R30	1.171371313	2.031182508	2.678567259		
2.828262674						
CC2D2B	CC2D2B	5.856856567	3.046773762	15.1785478		
4.713771124						
CRMP1	CRMP1	12.88508445	1.015591254	0	19.79783872	
IDI2	IDI2	44.51210991	35.54569389	32.14280711		
72.5920753						
GATM	GATM	31.62702546	30.46773762	13.3928363		
29.22538097						
DIMT1	DIMT1	3009.252904	3340.279635	3302.67343		
3330.750676						
PTGR2	PTGR2	247.1593471	118.8241767	263.3924471		
333.7349955						
PRKAR1B	PRKAR1B	787.1615226	1267.457885	702.6774776		
625.046051						
HSPA6	HSPA6	4.685485254	10.15591254	615.1776138	0	
HSPA4	HSPA4	12595.75573	14577.79686	11376.76801		
11168.8093						
COX18	COX18	625.5122814	585.9961536	469.6421261		
642.9583813						
CCDC107	CCDC107	2022.958258	2269.846453	1710.711623		
1850.626543						
ARSK	ARSK	312.7561407	238.6639447	451.785011		
437.4379603						
CPXM2	CPXM2	1.171371313	0	0	0	
CCDC43	CCDC43	2253.718407	2562.336734	1779.461516		

1804.431586					
APOBEC4	APOBEC4	1.171371313	2.031182508	0	2.828262674
PPAPDC2	PPAPDC2	517.7461205	542.3257297	904.4628778	
941.8114705					
CATIP	CATIP	2.342742627	1.015591254	51.78563368	
9.427542247					
ZNF700	ZNF700	695.7945602	600.2144311	1192.855286	
1330.226211					
FRMD6-AS1	FRMD6-AS1		23.42742627	16.24946006	
47.32135491	18.85508449				
MGAT4B	MGAT4B	2519.619695	3274.266203	2916.959745	
1981.66938					
PRRT2	PRRT2	5.856856567	17.26505132	31.24995136	
47.13771124					
WFIKKN1	WFIKKN1	2.342742627	3.046773762	0	0
FAM167A	FAM167A	247.1593471	100.5435342	81.24987353	
120.6725408					
DHX29	DHX29	1594.236358	1599.556225	1607.140355	
1915.676585					
DPPA4	DPPA4	1.171371313	1.015591254	0	0
GGNBP2	GGNBP2	4184.138332	4538.677314	5810.705241	
4869.325571					
ATP8B4	ATP8B4	540.0021755	437.7198305	216.0710922	
326.1929618					
ZNF672	ZNF672	3956.892297	4309.153691	4075.886513	
3631.489274					
ADD1	ADD1	15716.28891	11188.76885	7922.309097	
9594.409745					
GEMIN8	GEMIN8	583.3429141	926.2192237	644.6418537	
778.7149896					
ALKBH5	ALKBH5	8225.369363	9082.432585	10734.80472	
9089.09348					
PPFIA4	PPFIA4	5.856856567	1.015591254	15.1785478	
34.88190631					
CD226	CD226	3997.890293	3065.054405	2033.03255	
3470.278301					
CNN2	CNN2	37466.31146	40636.85285	10836.59027	
16455.77499					
CCR6	CCR6	630.1977666	975.9831951	1172.319604	
2305.034079					
GP5	GP5	67.93953618	77.18493531	125.8926612	
94.27542247					
AKT1	AKT1	7885.671682	13725.7158	7044.631891	
8717.648316					
TUBB4B	TUBB4B	25036.89045	36976.66197	14029.44245	
18107.48039					
CYB5A	CYB5A	1117.488233	1529.480429	1668.747402	
1716.755443					
ATOX1	ATOX1	2709.381848	2469.91793	1690.17594	
1812.916374					

FEZ2	FEZ2	242.4738619	83.27848283	77.67845051
101.8174563				
AURKB	AURKB	7377.296532	8628.463294	3054.459531
4312.157824				
THOC7	THOC7	3387.605839	2951.308184	1979.461204
2528.466831				
PAQR4	PAQR4	5325.053991	5467.943312	1922.318436
2670.822719				
SLC43A2	SLC43A2	220.2178069	191.946747	677.6775165
184.779828				
DDX24	DDX24	10501.34383	14237.57379	18556.22112
14768.24493				
PPAPDC3	PPAPDC3	1.171371313	0	16.02682182
CDH24	CDH24	128.8508445	37.5768764	124.9998054
96.16093092				
GNG10	GNG10	1870.679988	2267.81527	977.6770496
1346.253033				
CNTN6	CNTN6	0	0	2.828262674
SPATA6L	SPATA6L	17.5705697	16.24946006	69.64274874
18.85508449				
CCDC183	CCDC183	70.28227881	21.32741634	190.1782754
111.2449985				
GJB6	GJB6	263.5585455	208.1962071	224.9996498
249.8298695				
LEMD2	LEMD2	3167.388032	2820.296913	3303.566286
3142.199831				
C15orf61	C15orf61		276.44363	334.1295226
483.0349624	506.2590187			
USP48	USP48	4862.362322	6006.206676	2935.709716
3904.887999				
RHOC	RHOC	2254.889778	3235.673735	1270.533737
1556.487225				
CDIP1	CDIP1	3262.269108	2490.229755	1484.819117
1577.227818				
LY6E	LY6E	15799.45628	17449.88893	13367.83633
10118.58109				
SH3KBP1	SH3KBP1	9018.387742	9650.148096	6984.810556
9115.490599				
C3orf20	C3orf20	2.342742627	4.062365016	11.60712479
6.599279573				
ABTB2	ABTB2	193.2762667	366.6284427	188.3925639
106.5312274				
MBTPS2	MBTPS2	1279.137474	1394.406792	1194.640998
1170.900747				
ASB3	ASB3	1560.26659	1811.814797	1639.283163
1417.902354				
ZNF618	ZNF618	5.856856567	1.015591254	0
LCNL1	LCNL1	0	1.015591254	0
COPB1	COPB1	17483.88822	17025.37178	13752.65716
16479.34385				

SLM01	SLM01	19.91331233	9.140321286	0.892855753
1.885508449				
CD164	CD164	28979.7263	24020.76434	30957.98752
30127.59676				
TLL2	TLL2	9.370970508	16.24946006	0 0
RBMS1	RBMS1	2636.756827	3062.007631	5707.133973
4512.021719				
CCR3	CCR3	141.7359289	524.0450871	11.60712479
42.42394011				
PILRB	PILRB	823.4740334	359.5193039	1205.355267
1306.657355				
GTF3C4	GTF3C4	1746.514628	1429.952486	833.0344176
968.2085888				
STYXL1	STYXL1	1658.66178	2825.374869	1843.74713
1627.193792				
SHISA6	SHISA6	0 0	0 1.885508449	
C20orf197	C20orf197	26.94154021	24.3741901	
5.357134518	13.19855915			
ZNF143	ZNF143	2218.577268	2455.699652	2571.424569
2679.307507				
NEK9	NEK9	2363.827311	897.7826686	1341.069341
1508.40676				
ZAN	ZAN	0 0	0 1.885508449	
TLR1	TLR1	483.7763525	794.1923607	678.5703723
376.1589357				
PDCL	PDCL	2224.434124	1947.904025	1566.068991
1524.433581				
NUP98	NUP98	13899.49201	12091.62947	10752.66183
12164.35776				
NFIL3	NFIL3	1534.496421	1874.781455	1619.640336
2450.21823				
TARBP1	TARBP1	1694.974291	1096.838554	3188.387894
2071.231032				
SNX11	SNX11	2097.926022	3507.852191	3654.458597
2934.793902				
CSRP3	CSRP3	3.51411394	0 1.785711506	0
TMX3	TMX3	4457.067848	3082.319456	2118.746702
3179.91				
ERLEC1	ERLEC1	3004.567419	4066.427381	3786.601249
3678.626985				
ERMAP	ERMAP	494.3186943	403.1897279	276.7852834
290.3683012				
CXorf57	CXorf57	432.2360147	309.7553325	779.4630724
518.5148236				
CSF2	CSF2	2680.097565	3084.350639	2347.317775
5228.51493				
FKBP1A	FKBP1A	6215.296189	3309.811897	1663.390268
2191.903572				
EOMES	EOMES	86.6814772	151.3230969	822.3201485
444.9799941				

EFNB3	EFNB3	4.685485254	0	0	0	
MIPOL1	MIPOL1	1.171371313	0	0	0	
BRMS1L	BRMS1L	361.9537359	396.0805891		583.9276625	
516.6293151						
SLC10A7	SLC10A7	978.0950467	965.8272826		613.3919023	
1051.170961						
TCHP	TCHP	1187.770512	1336.51809		1066.962625	
1010.632529						
ZDHC18	ZDHC18	2994.025077	2444.528149		1676.783104	
2443.61895						
RHBDD1	RHBDD1	2028.815115	2069.774976		2166.960913	
2726.445218						
GJA9-MYCBP	GJA9-MYCBP		5369.566101		5974.723348	
3217.852134	4442.257907					
SLC25A53	SLC25A53		255.3589463		318.8956538	
286.6066967	233.8030477					
TUBGCP6	TUBGCP6	3551.597822	2089.07121		3316.959123	
3177.081737						
VPS11	VPS11	2757.408072	3754.640866		3940.172438	
3445.766691						
POLDIP2	POLDIP2	10035.13804	14238.58938		8343.737012	
8423.508998						
EIF5B	EIF5B	2989.339592	3124.974289		3430.351803	
3548.526902						
CEBPD	CEBPD	317.4416259	191.946747		34.82137437	
306.395123						
MAP3K8	MAP3K8	1217.054795	994.2638377		796.4273317	
1155.81668						
ICAM5	ICAM5	16.39919839	5.07795627		1.785711506	0
SPINT2	SPINT2	203.8186085	1424.874529		5337.491692	
3475.934827						
CLDN1	CLDN1	10.54234182	8.124730032		7.142846024	
47.13771124						
CKMT1B	CKMT1B	1.171371313	0	0	0	
ERMN	ERMN	37.48388203	29.45214637		0	16.96957604
TMEM167B	TMEM167B		1807.425937		1345.658412	
3064.280944	2143.823107					
LINC01424	LINC01424		19.91331233		7.109138778	
9.821413283	7.542033798					
LOC101928791	LOC101928791		5.856856567		0	0
16.96957604						
LOC101927769	LOC101927769		0	0	0	0.942754225
PPIL6	PPIL6	124.1653592	250.8510398		162.4997471	
118.7870323						
ARMCX2	ARMCX2	50.36896648	11.17150379		198.2139772	
114.0732612						
SIGMAR1	SIGMAR1	6576.078554	9546.557788		8460.701116	
8091.659511						
RNASE4	RNASE4	92.53833376	170.6193307		171.4283046	
84.84788022						

MAP2K4	MAP2K4	3337.236872	4257.358537	4373.207478	
		3778.558933			
TLR4	TLR4	0	1.015591254	0	0
SMARCA1	SMARCA1	0	0	132.1426514	58.45076193
NCDN	NCDN	2849.946406	2030.166917	1827.675726	
		2184.361539			
C1QTNF3	C1QTNF3	42.16936728	14.21827756	49.10706642	
		39.59567744			
AMN	AMN	0	3.046773762	116.0712479	42.42394011
CDA	CDA	3.51411394	4.062365016	10.71426904	0
CD97	CD97	8543.98236	9420.624473	10924.98299	
		12150.21645			
SLC19A1	SLC19A1	3885.438647	4240.093486	1207.140978	
		2091.971625			
DND1	DND1	805.9034637	824.6600983	756.2488228	
		972.9223599			
ITGAV	ITGAV	659.4820495	291.4746899	565.1776917	
		601.4771954			
MMGT1	MMGT1	940.6111647	433.6574655	574.1062492	
		724.9779988			
10-Sep	10-Sep	44.51210991	18.28064257	91.96414256	
		142.3558879			
COL23A1	COL23A1	9.370970508	9.140321286	0	6.599279573
SYT15	SYT15	2.342742627	1.015591254	7.142846024	
		3.771016899			
SHPRH	SHPRH	1331.849183	991.217064	1241.962352	
		1618.709004			
NCBP2	NCBP2	5865.056166	7050.234486	8022.308941	
		8117.113875			
SNAPC3	SNAPC3	2450.508788	2818.26573	1414.283513	
		1699.785867			
SMAD2	SMAD2	6472.997878	6161.592138	5308.920308	
		7432.674308			
DIP2A	DIP2A	4129.08388	2899.51303	2744.638585	
		2697.219837			
QARS	QARS	6638.161233	7958.173067	4373.207478	
		5824.3356			
TEL02	TEL02	2909.686343	4261.420902	3012.495311	
		2720.788693			
SNRK-AS1	SNRK-AS1		2137.752647	1916.420696	
		2373.210592	2693.44882		
MIR147B	MIR147B	0	0	49.10706642	16.02682182
LINC00623	LINC00623			60.9113083	96.48116913
		441.070742	253.6008864		
GATA3-AS1	GATA3-AS1		5.856856567	36.56128515	
		16.96425931	11.3130507		
ARL6IP6	ARL6IP6	4220.450842	4368.057984	3216.066422	
		3226.104957			
FAM96B	FAM96B	4754.596161	4161.892959	2867.852679	
		2732.101743			

CLCNKA	CLCNKA	0	3.046773762	0	0
LOC731157	LOC731157		21.08468364		20.31182508
33.03566286	16.96957604				
GOLGA6L4	GOLGA6L4		3.51411394		4.062365016
7.142846024	9.427542247				
CCDC74A	CCDC74A	117.1371313	166.5569657		126.7855169
81.07686333					
NFIC	NFIC	221.3891782	165.5413744		491.9635199
635.4163475					
HIST1H4B	HIST1H4B		29.28428284		25.38978135
38.39279738	6.599279573				
HIST1H4H	HIST1H4H		30.45565415		30.46773762
40.17850889	19.79783872				
HIST1H4C	HIST1H4C		41600.08083		44305.16846
20152.6472	22416.80996				
HIST1H4K	HIST1H4K		26.94154021		28.43655511
19.64282657	22.62610139				
PTPRM	PTPRM	900.7845401	258.9757698		599.999066
1105.850706					
FHOD1	FHOD1	1014.407557	387.955859		320.5352153
457.235799					
DNAJC15	DNAJC15	4719.455022	4832.183187		2866.066967
3381.659404					
PRELID1	PRELID1	17624.45278	25646.72594		13445.51478
13512.4963					
NOS2	NOS2	0	38.39279738		22.62610139
FHIT	FHIT	97.22381902	141.1671843		273.2138604
207.4059294					
C8orf88	C8orf88	72.62502143	64.99784026		97.32127708
92.38991402					
PYCR1	PYCR1	2480.964442	3257.001152		3092.852328
2615.200219					
STOML2	STOML2	9119.125675	12479.58533		7446.41698
7381.76558					
ITGAL	ITGAL	46680.31821	39438.45517		15688.36844
26595.09668					
HPD	HPD	22.25605496	21.32741634		60.71419121
46.19495701					
PTBP1	PTBP1	25204.39655	22980.7989		18341.04288
18774.95039					
TRAT1	TRAT1	8748.97234	8486.280519		9652.663546
8213.274806					
ZNF2	ZNF2	297.5283136	310.7709237		476.7849721
521.3430863					
ETFB	ETFB	3334.894129	4789.528354		2725.888614
2870.686614					
BAMBI	BAMBI	8.199599194	29.45214637		58.9284797
13.19855915					
MAPK10	MAPK10	0	1.015591254	0	0
PMPCA	PMPCA	5056.80996	8769.630479		5675.884022

6107.161868					
COL6A4P2	COL6A4P2	0	0	24.99996108	
2.828262674					
LINC00173	LINC00173	0	0	3.571423012	
13.19855915					
CLUL1	CLUL1	64.42542224	52.81074521	28.5713841	
36.76741476					
LRFN3	LRFN3	66.76816487	16.24946006	27.67852834	
34.88190631					
MFAP1	MFAP1	4284.876265	5005.849291	4257.13623	
4384.749899					
CRADD	CRADD	380.6956769	592.0897011	425.8921942	
451.5792736					
PGA5	PGA5	1.171371313	0	0	0.942754225
SLC35F6	SLC35F6	1154.972115	815.519777	458.9278571	
922.956386					
DPT	DPT	0	0	0.892855753	0
WASL	WASL	251.8448324	231.5548059	452.6778668	
452.5220279					
GDF10	GDF10	51.54033779	63.98224901	0	98.9891936
RING1	RING1	1.171371313	5.07795627	12.49998054	
0.942754225					
AP3D1	AP3D1	7958.296704	6296.665775	5039.27787	
6144.872037					
DLST	DLST	1296.708044	476.3122981	457.1421456	
515.6865609					
EN02	EN02	2454.022902	2968.573236	5366.063076	
3996.335159					
FRK	FRK	0	2.031182508	0	5.656525348
GNS	GNS	4031.860061	4121.269309	6819.632242	
5409.523741					
ESM1	ESM1	5.856856567	0	9.821413283	17.91233027
RAB34	RAB34	443.9497278	1154.727256	1029.462683	
393.1285117					
EVA1B	EVA1B	402.9517318	519.9827221	147.3211993	
231.9175393					
NUCB2	NUCB2	3702.704722	2156.100232	3834.815459	
3252.502075					
QKI	QKI	2669.555223	2998.025382	3716.9585	
3642.802324					
SRSF7	SRSF7	17049.30947	18982.41613	17208.00893	
17677.58447					
BAG1	BAG1	2637.928198	3598.239813	4216.957722	
2911.225046					
PTTG2	PTTG2	1.171371313	3.046773762	10.71426904	
4.713771124					
E4F1	E4F1	1890.5933	1879.859411	2212.496556	
1877.966416					
FUT4	FUT4	462.6916688	509.8268095	425.8921942	
619.3895256					

HBB	HBB	0	0	1.785711506	0
FUT2	FUT2	4.685485254		22.34300759	15.1785478
10.37029647					
CYP1A1	CYP1A1	42.16936728		254.9134048	1105.355422
84.84788022					
GPATCH4	GPATCH4	2547.732607		3858.231174	3659.815732
3458.022496					
MT1M	MT1M	0	0	0	1.885508449
IL5RA	IL5RA	0	0	0	16.96957604
SNRNP27	SNRNP27	2811.291152		2842.63992	2329.46066
2624.627762					
OSBPL3	OSBPL3	5381.279814		5843.712076	2497.317541
3343.949235					
SNORD11	SNORD11	23.42742627		14.21827756	32.14280711
23.56885562					
SOAT1	SOAT1	8301.508498		10165.05286	9304.449802
8200.076247					
RHN01	RHN01	4247.392383		5652.78092	3404.458986
3876.605372					
NARF	NARF	7540.117145		8195.82142	4706.242674
5390.668657					
PEX5	PEX5	942.9539073		583.9649711	988.3913186
1108.678968					
ZNF8	ZNF8	409.9799597		337.1762963	598.2133545
585.4503735					
HIC1	HIC1	1041.349098		939.42191	234.821063
328.0784702					
GNAI3	GNAI3	11778.13856		13905.47545	8580.343787
10830.36053					
KCNH6	KCNH6	0	0	2.678567259	1.885508449
CCDC167	CCDC167	4207.565758		4302.044552	1470.533425
2055.20421					
ZNF229	ZNF229	44.51210991		49.76397145	41.96422039
52.79423658					
PRR18	PRR18	1.171371313		0	0
HRH2	HRH2	641.9114798		335.1451138	323.2137826
531.7133827					
TIA1	TIA1	5538.24357		4384.307444	4316.957566
4745.824767					
ACSBG2	ACSBG2	5.856856567		23.35859884	43.7499319
7.542033798					
IPPK	IPPK	2208.034926		2420.153958	1688.390229
2017.494041					
PDDC1	PDDC1	1017.921671		857.1590184	748.213121
1056.827486					
DNHD1	DNHD1	227.2460348		125.9333155	395.5350986
487.4039342					
DZANK1	DZANK1	89.02421982		71.09138778	98.21413283
95.2181767					
12-Sep	12-Sep	0	0	6.249990271	1.885508449

C5orf63	C5orf63	327.9839678	316.8644713	558.0348456	
405.3843166					
ZNF879	ZNF879	203.8186085	225.4612584	1407.140667	
712.7221939					
RBM14	RBM14	11787.50953	13476.89594	9955.341646	
8313.206754					
TEAD3	TEAD3	35.1411394	4.062365016	65.17846997	
64.10728728					
PFKFB3	PFKFB3	3956.892297	3326.061357	3967.850966	
3450.480462					
ZNF541	ZNF541	33.96976809	26.40537261	28.5713841	
27.33987252					
OAS1	OAS1	10900.78144	14144.1394	15426.7617	
10976.48744					
SNRPD2	SNRPD2	16867.74691	20947.58521	12682.12312	
12505.63479					
CLYBL-AS1	CLYBL-AS1		3.51411394	0	0
					0
FBXW10	FBXW10	2.342742627	0	2.678567259	0
MIR6079	MIR6079	1.171371313	7.109138778	0.892855753	
12.25580492					
CHCHD7	CHCHD7	2167.03693	2448.590514	3011.602455	
2988.530892					
ARHGEF37	ARHGEF37		8.199599194	17.26505132	
20.53568232					
CAPSL	CAPSL	7.028227881	0	0	2.828262674
GOLGA7B	GOLGA7B	72.62502143	18.28064257	44.64278765	
30.16813519					
ZBTB1	ZBTB1	4676.114283	3563.70971	5270.52751	
5688.578992					
NUTM2A	NUTM2A	1.171371313	2.031182508	2.678567259	0
SMARCAL1	SMARCAL1		2630.89997	3297.624802	
2233.032238					
REG4	REG4	585.6856567	312.8021062	64.28561422	
171.5812689					
CUL9	CUL9	1580.179902	791.1455869	1680.354527	
1346.253033					
LOC101928696	LOC101928696		7.028227881	0	0
1.885508449					
KIAA0513	KIAA0513		467.3771541	335.1451138	
896.427176					
CYTH1	CYTH1	28492.43583	27998.83528	20008.89743	
23982.72472					
PCDH11X	PCDH11X	0	0	1.785711506	0
SLC30A6	SLC30A6	4050.602002	3577.927988	2447.317619	
3030.012078					
GRIK1	GRIK1	4.685485254	7.109138778	9.821413283	0
HAP1	HAP1	4.685485254	18.28064257	38.39279738	
14.14131337					
SULT2B1	SULT2B1	22.25605496	13.2026863	12.49998054	
29.22538097					

FAM46A	FAM46A	112.4516461	152.3386881	1146.426787	
348.8190631					
AG04	AG04	1604.778699	675.3681839	821.4272928	
1539.517649					
ZNF281	ZNF281	3758.930545	3231.61137	3326.780536	
4127.377996					
WBP2	WBP2	4539.06384	4509.225168	6919.632086	
5656.525348					
IFT46	IFT46	720.3933578	782.0052656	913.3914353	
951.2390127					
ZNF267	ZNF267	4460.581962	3390.043606	6774.096598	
8415.02421					
MAPK3	MAPK3	648.9397077	184.8376082	168.7497373	
184.779828					
MKL1	MKL1	2316.972458	1277.613798	833.0344176	
1061.541257					
LOC101929089	LOC101929089		99.56656164	74.13816155	
108.9284019	115.0160154				
CDCA2	CDCA2	4228.650442	4629.064936	1595.533231	
2347.45802					
SLC39A4	SLC39A4	484.9477238	694.6644178	510.7134907	
521.3430863					
CEP72	CEP72	707.5082733	975.9831951	773.2130821	
617.5040172					
STK10	STK10	20771.9275	23781.0848	12827.6586	
12604.62398					
DDX47	DDX47	5981.021927	7387.410782	7093.738958	
6350.392458					
USP16	USP16	2944.827482	3075.210317	2924.995447	
3153.512882					
OGDHL	OGDHL	8.199599194	2.031182508	0	0
ZNF175	ZNF175	199.1331233	178.7440607	296.42811	
299.7958435					
VEZF1	VEZF1	2581.702375	2026.104552	3641.065761	
3268.528897					
SNAP29	SNAP29	4259.106096	5266.856244	2941.06685	
3611.691435					
VAMP3	VAMP3	1458.357285	1345.658412	2026.782559	
2059.917981					
ZNF850	ZNF850	118.3085027	69.06020528	65.17846997	
134.8138541					
SLC4A7	SLC4A7	3242.355796	1699.084168	1599.104654	
2389.88196					
CATIP-AS1	CATIP-AS1		3.51411394	1.015591254	
49.99992217	13.19855915				
NFIA-AS2	NFIA-AS2		0	0	0.892855753
ZNF302	ZNF302	947.6393926	882.5487998	2551.781742	0
2378.568909					
HDAC10	HDAC10	1144.429773	603.2612049	394.6422428	
491.1749511					

AGPAT2	AGPAT2	593.8852559	1062.308452	1333.033639
1032.315876				
SATL1	SATL1	26.94154021	15.23386881	17.85711506
10.37029647				
AP1G1	AP1G1	7996.951957	5791.916922	5032.135024
5158.751118				
FAM86B1	FAM86B1	18.74194102	3.046773762	30.3570956
52.79423658				
MEF2C	MEF2C	38.65525334	5.07795627	22.32139383
55.62249926				
LEPROT	LEPROT	1823.825135	2300.31419	2764.281411
2733.044497				
DOCK10	DOCK10	11084.68674	7596.62258	8099.094536
9286.129113				
C1orf21	C1orf21	228.4174061	79.21611782	27.67852834
35.82466054				
PGM2	PGM2	3569.168392	4341.652611	2665.174423
3231.761482				
SGPP1	SGPP1	3395.805438	3746.516136	3546.423051
3548.526902				
C4orf46	C4orf46	2796.063325	2636.474896	1894.639908
1993.925185				
ELP4	ELP4	1366.990323	1434.014851	1085.712596
1200.126128				
VPS54	VPS54	3238.841682	2927.949585	2591.067395
2997.958435				
RNF10	RNF10	16648.70048	21423.8975	14218.72787
13762.32617				
PLCL2	PLCL2	3620.70873	2814.203365	5094.634927
3926.571346				
NANOS3	NANOS3	5.856856567	3.046773762	4.464278765
1.885508449				
LRRC8B	LRRC8B	3846.783393	3016.306025	2599.103097
3619.233469				
NOTO	NOTO	0	7.142846024	0
CNTD2	CNTD2	0	0	1.885508449
MED23	MED23	3958.063668	3292.546846	3634.815771
3616.405206				
CDH4	CDH4	23.42742627	15.23386881	29.46423985
37.71016899				
ZNF334	ZNF334	7.028227881	23.35859884	43.7499319
25.45436407				
FAM73A	FAM73A	449.8065844	356.4725302	801.7844662
760.8026593				
HSPBP1	HSPBP1	3495.371999	4208.610157	2469.639013
2759.441616				
NDUFB8	NDUFB8	15854.51073	21745.83993	11703.55321
11144.29769				
EXOG	EXOG	1229.939879	1141.52457	729.4631502
963.4948177				

SDE2	SDE2	2945.998853	3114.818376	3241.959239
3046.981654				
POLR3F	POLR3F	782.4760374	960.7493263	697.3203431
736.2910495				
PCGF2	PCGF2	163.9919839	246.7886747	97.32127708
191.3791076				
PIEZ02	PIEZ02	0	1.785711506	0
KIAA1257	KIAA1257	0	0	9.821413283
2.828262674				
HNRNPUL2-BSCL2	HNRNPUL2-BSCL2	3632.422443	4152.752638	
3216.959278	2634.055304			
STX16-NPEPL1	STX16-NPEPL1	2962.398052	3010.212477	
2771.424257	3244.017287			
GNAI1	GNAI1	175.705697	66.01343151	232.1424958
181.9515654				
DPH6	DPH6	652.4538216	563.653146	430.356473
569.4235517				
TUBB3	TUBB3	187.4194102	62.96665775	18.74997081
27.33987252				
HSP90B1	HSP90B1	36638.15194	38633.0913	29739.23942
31407.857				
SGPP2	SGPP2	323.2984825	190.9311558	230.3567843
371.4451645				
ZNF326	ZNF326	1880.050958	2035.244873	1279.462294
1341.539262				
CDK3	CDK3	222.5605496	75.1537528	137.499786
192.3218618				
RAMP1	RAMP1	640.7401085	770.8337618	53.57134518
191.3791076				
HDGFRP2	HDGFRP2	3118.190436	3389.028015	1797.318631
2161.735437				
ZCCHC3	ZCCHC3	1026.121271	533.1854084	744.641698
625.9888052				
EPG5	EPG5	1584.865387	554.5128247	827.6772831
1191.64134				
SOGA1	SOGA1	45.68348122	20.31182508	28.5713841
44.30944856				
H2AFY2	H2AFY2	145.2500429	112.7306292	186.6068524
264.9139371				
CCDC122	CCDC122	49.19759517	57.88870148	77.67845051
100.874702				
CSAD	CSAD	173.3629544	186.8687907	315.1780808
264.9139371				
ZFP36L1	ZFP36L1	4317.674661	2479.058251	5330.348846
5905.412464				
RSRC2	RSRC2	2719.92419	2778.657671	3642.851472
3557.01169				
ZRANB2-AS2	ZRANB2-AS2	16.39919839	13.2026863	
12.49998054	8.484788022			
MAGEA10	MAGEA10	0	0	4.713771124
		0		

RARA	RARA	790.6756366	536.2321821	614.2847581
573.1945686				
FGFR4	FGFR4	16.39919839	13.2026863	55.35705669
12.25580492				
NSUN2	NSUN2	8945.762721	10760.18934	9824.984706
10189.28766				
RPL11	RPL11	6652.217689	6886.724294	8618.736584
6801.028977				
FPGT	FPGT	925.3833376	837.8627846	617.8561811
1023.831088				
HS3ST3A1	HS3ST3A1		53.88308042	63.98224901
7.142846024	17.91233027			
SCEL	SCEL	0	0	0
UQCR11	UQCR11	9776.264982	11086.19413	7988.380422
7460.956934				
ADIRF	ADIRF	4.685485254	3.046773762	6.249990271
9.427542247				
MRPL47	MRPL47	3870.21082	4721.48374	2641.067317
3031.897587				
MIR4738	MIR4738	1.171371313	2.031182508	4.464278765
0.942754225				
MIR4746	MIR4746	1.171371313	0	5.656525348
MIR3064	MIR3064	1010.893444	643.8848551	1712.497334
1868.538873				
MIR4745	MIR4745	4.685485254	3.046773762	1.785711506
4.713771124				
DIAPH3-AS1	DIAPH3-AS1		240.1311193	144.2139581
71.42846024	98.04643937			
PRC1-AS1	PRC1-AS1		1491.155682	1486.825596
543.7491536	971.9796057			
TM7SF2	TM7SF2	1119.830976	913.0165374	688.3917856
765.5164305				
PKN2	PKN2	1021.435785	894.7358948	2275.889314
1594.197394				
PPARGC1B	PPARGC1B		167.5060978	246.7886747
300.8923888	313.9371568			
UBE2D1	UBE2D1	2288.859547	2283.049139	2319.639246
2496.413187				
DNAH8	DNAH8	2.342742627	9.140321286	7.142846024
40.53843166				
MASTL	MASTL	3008.081533	2742.096386	1989.282618
1942.073703				
DPY19L3	DPY19L3	499.0041795	233.5859884	315.1780808
356.3610969				
UBAC1	UBAC1	1883.565072	2285.080322	1587.497529
1722.411969				
MAP7D3	MAP7D3	1484.127454	1397.453566	1049.998366
1192.584094				
PLEKHF2	PLEKHF2	1320.13547	1307.065944	2722.317191
2432.3059				

PRR5-ARHGAP8	PRR5-ARHGAP8	251.8448324	221.3988934
564.2848359	415.7546131		
TRAPPC4	TRAPPC4	4099.799597	5765.511549
4735.454471			5122.313455
PAAF1	PAAF1	1987.817119	2893.419483
1926.046881			1756.247266
USP14	USP14	9729.41013	11016.11833
8861.889712			7741.059379
SYNP0	SYNP0	0	0
RBM19	RBM19	3428.603834	3711.986034
3600.378384			3179.459337
ZYX	ZYX	12539.52991	10182.31791
7197.928506			4626.778512
TRIM39	TRIM39	48.02622385	76.16934405
77.30584643			231.24964
LOC285627	LOC285627	0	2.031182508
LINC00174	LINC00174	81.99599194	49.76397145
111.6069691	77.30584643		0
HPGD	HPGD	4521.49327	1885.952959
801.341091			331.2494844
ZNF468	ZNF468	1956.190093	2497.338894
2699.105345			3325.88768
C17orf96	C17orf96	210.8468364	98.51235164
41.07136464	86.73338867		
MIR6165	MIR6165	2.342742627	0
PINK1-AS	PINK1-AS	2838.232693	0.892855753
4334.814681	3342.063727		6.599279573
INSR	INSR	74.96776406	18.28064257
186.6653365			50.89277792
ZNF829	ZNF829	488.4618377	247.804266
472.3198666			596.427643
PSAP	PSAP	23576.19043	31831.67668
25458.13508			32762.449
PSD4	PSD4	7227.361004	2880.216796
3481.591352			2219.639402
C11orf49	C11orf49	1154.462489	1239.31085
1154.462489	1160.530451		1544.714297
C9orf16	C9orf16	2138.924018	2336.875476
1537.632141			1346.426476
VPS4A	VPS4A	7303.500139	9801.471193
8535.696751			9030.343086
C10orf95	C10orf95	200.8925444	132.3649584
200.8925444	287.5400385		151.3230969
PRPF18	PRPF18	1724.258573	2109.383035
1984.497643			2321.424958
RGS10	RGS10	3775.329743	4417.821955
3607.920418			4125.886435
OBSCN	OBSCN	77.31050669	112.7306292
349.7618174			291.9638312
TMC01	TMC01	7085.625075	8667.055762
			7629.45241

7094.225541					
CISH	CISH	7906.756366	22134.81138	13249.08652	
12016.34535					
SNX33	SNX33	103.0806756	119.839768	172.3211603	
159.325464					
TM4SF20	TM4SF20	1.171371313	0	0	0
IMP4	IMP4	4207.565758	6445.957689	6257.133117	
4965.486502					
HPCAL1	HPCAL1	3241.184424	3026.461937	5050.884995	
4055.728675					
PRELID2	PRELID2	38.65525334	32.49892013	16.07140355	
82.01961755					
TECR	TECR	8670.490462	10214.81683	7662.488073	
7990.784809					
GZF1	GZF1	722.7361004	697.7111915	732.1417175	
953.1245212					
PPARG	PPARG	91.36696245	106.6370817	34.82137437	
170.6385147					
HCAR1	HCAR1	22.25605496	17.26505132	0	7.542033798
RSPH6A	RSPH6A	1.171371313	0	0	3.771016899
GPR63	GPR63	112.4516461	178.7440607	112.4998249	
129.1573288					
KIAA0040	KIAA0040		7003.629083	11101.428	
10727.66187		7949.303623			
COL9A1	COL9A1	0	0	5.357134518	0
CHST10	CHST10	376.0101916	387.955859	434.8207517	
312.9944026					
SAG	SAG	0	4.062365016	10.71426904	0
CCZ1	CCZ1	1432.587116	1917.436288	1122.319682	
1237.836297					
CCDC9	CCDC9	1091.718064	1464.482588	1235.712362	
1127.534053					
UGT1A4	UGT1A4	0	0	2.678567259	0
SARAF	SARAF	31150.27734	27765.24929	75614.16801	
57811.57457					
ACVR2A	ACVR2A	162.8206126	66.01343151	251.7853224	
326.1929618					
CCDC71L	CCDC71L	370.1533351	225.4612584	192.8568427	
266.7994456					
S100A1	S100A1	15.22782708	23.35859884	21.42853807	
21.68334717					
MRPS11	MRPS11	3426.261092	4458.445605	2753.567142	
2678.364752					
ADAM9	ADAM9	1067.119267	1098.869737	491.0706642	
577.9083398					
AAR2	AAR2	4081.057656	5377.55569	5078.563523	
4447.914432					
RADIL	RADIL	8.199599194	2.031182508	24.10710533	
10.37029647					
SACS	SACS	1438.443973	944.4998663	931.2485504	

1257.634136						
CNTN5	CNTN5	2.342742627	0	0.892855753	0	
ZNF808	ZNF808	591.5425133	591.0741099	1458.9263		
852.2498191						
FGD3	FGD3	10263.55545	12433.88372	12526.76622		
11448.8073						
SLC39A14	SLC39A14		3200.186428	3945.572022		
2987.49535		3369.403599				
DTX2	DTX2	1371.675808	1607.680955	1164.283902		
1177.500027						
C3orf79	C3orf79	0	0	6.249990271	0	
LOC344887	LOC344887		30.45565415	48.74838019		
696.4274874		169.6957604				
SNED1	SNED1	413.4940737	196.009112	240.1781976		
282.8262674						
LRIG3	LRIG3	35.1411394	23.35859884	0.892855753	0	
NPIPA3	NPIPA3	3.51411394	0	0	8.484788022	
FANCC	FANCC	1296.708044	1174.02349	422.3207712		
983.2926564						
FAM212B	FAM212B	89.02421982	68.04461402	228.5710728		
122.5580492						
FBN1	FBN1	85.51010588	124.9177242	0	17.91233027	
ZNF683	ZNF683	0	10.15591254	15.1785478	0	
TNNI2	TNNI2	4.685485254	4.062365016	0	0	
CHM	CHM	1128.030575	984.1079252	1148.212498		
1176.557272						
IL6	IL6	0	5.07795627	8.92855753	3.771016899	
PKD2L2	PKD2L2	142.9073002	67.02902277	200.8925444		
226.2610139						
RNF144A-AS1	RNF144A-AS1		92.53833376	89.37203036		
220.535371		222.489997				
MIR101-2	MIR101-2		0	0	0	0.942754225
MIR302A	MIR302A	1.171371313	2.031182508	5.357134518		
2.828262674						
MIR30C1	MIR30C1	0	0	0.892855753	0.942754225	
MIR29C	MIR29C	1.171371313	2.031182508	4.464278765		
8.484788022						
MIR106B	MIR106B	35.1411394	21.32741634	30.3570956		
18.85508449						
KLC3	KLC3	23.42742627	21.32741634	9.821413283		
10.37029647						
ZNF815P	ZNF815P	320.9557399	298.5838287	491.9635199		
548.6829588						
PAIP2	PAIP2	9915.658168	11494.46181	12649.08745		
11676.01107						
PMM1	PMM1	1597.750472	1938.763704	1052.676933		
1518.777056						
FBX04	FBX04	1132.71606	1041.996627	893.7486088		
958.7810465						
ARL8B	ARL8B	4908.045803	4584.378921	5479.455756		

5215.316371				
PLCD1	PLCD1	865.6434006	1089.729416	1928.568427
1010.632529				
MOB3A	MOB3A	9684.89802	11834.68488	6719.632397
7126.279185				
BCDIN3D	BCDIN3D	584.5142854	630.6821688	1010.712712
887.1317255				
C17orf64	C17orf64	0	2.031182508	9.821413283
0				
DNAJC24	DNAJC24	878.5284851	723.1009729	893.7486088
741.0048206				
BZW2	BZW2	4631.602173	6671.418948	4313.386143
4319.699858				
EIF5A	EIF5A	10408.80549	34413.30964	22938.35715
8696.907723				
SGK1	SGK1	2509.077353	4321.340786	2025.889704
1570.628538				
ZNF530	ZNF530	514.2320066	449.9069255	588.3919412
522.2858405				
XRCC4	XRCC4	1138.572917	900.8294423	572.3205377
834.3374889				
MRPS25	MRPS25	2567.645919	3150.36407	2324.996381
2472.844331				
POLR1E	POLR1E	1015.578929	1542.683115	1729.461594
1632.850317				
PI4KB	PI4KB	7227.361004	8390.814941	7835.702089
7253.551005				
CUL2	CUL2	5391.822156	5680.201884	4555.350052
5037.135823				
EGR4	EGR4	107.7661608	100.5435342	18.74997081
95.2181767				
SNORA21	SNORA21	12.88508445	5.07795627	5.357134518
19.79783872				
SNORA27	SNORA27	56.22582305	42.65483267	36.60708587
79.19135488				
C4orf27	C4orf27	1002.693844	782.0052656	683.0346511
1000.262232				
ZNF664	ZNF664	679.3953618	348.3478001	492.8563757
679.725796				
HYI	HYI	84.33873457	102.5747167	142.8569205
186.6653365				
EPX	EPX	3.51411394	0	2.678567259
236.6313104				0.942754225
TNFAIP2	TNFAIP2	25.7701689	4.062365016	26.78567259
236.6313104				
CENPE	CENPE	4124.398395	2930.996359	933.9271177
1962.814296				
MYL4	MYL4	3.51411394	6.093547524	0
5755.514542				1.885508449
CCNG1	CCNG1	6724.842711	9338.361581	7126.774621
5755.514542				
GFPT2	GFPT2	22.25605496	2.031182508	4.464278765

131.9855915						
SENP3	SENP3	1419.702032		693.6488265		803.5701777
595.82067						
ENOX1-AS2	ENOX1-AS2		0	0	0.892855753	0
SYCP1	SYCP1	0	0	0	0.942754225	
BMP2	BMP2	0	0	14.28569205		0
BCAT2	BCAT2	2530.162037		3410.355431		1566.961847
1860.054085						
BAK1	BAK1	14344.6131		14722.01082		5071.420677
6462.58021						
SUPT4H1	SUPT4H1	6166.098594		5468.958903		4349.100373
4149.061343						
ALDH7A1	ALDH7A1	63.25405093		31.48332888		57.14276819
40.53843166						
CUL5	CUL5	2503.220497		2199.770656		2451.781898
2601.058906						
PKP2	PKP2	2.342742627		10.15591254		38.39279738
0.942754225						
STRN	STRN	2883.916174		2115.476582		1841.068563
2138.166582						
ACY1	ACY1	1292.022559		1754.941687		967.8556363
1418.845108						
LYST	LYST	4270.819809		2651.708764		3033.030993
3940.712659						
CHRNE	CHRNE	91.36696245		45.70160643		177.6782949
89.56165135						
CHRNA1	CHRNA1	1.171371313		1.015591254		8.92855753
RAB11B	RAB11B	3460.23086		2844.671103		2526.781781
2323.889164						
UGT2B4	UGT2B4	0	0	6.249990271		0
ELOVL7	ELOVL7	15.22782708		9.140321286		5.357134518
18.85508449						
MEM01	MEM01	2362.655939		3006.150112		1574.104693
2143.823107						
PTRH1	PTRH1	685.2522184		1083.635868		851.7843884
682.5540587						
RGS19	RGS19	4047.087888		5347.087953		1198.212421
1426.387142						
ELM01	ELM01	12271.28588		11260.87582		8333.915599
9172.055852						
HECTD4	HECTD4	1512.240366		706.8515128		1201.783844
1067.197782						
FAM222B	FAM222B	1662.175894		1966.184668		1407.140667
1726.182985						
NHP2L1	NHP2L1	10257.69859		11849.91875		11122.30412
10196.82969						
USP33	USP33	5293.426966		4961.163276		6798.203704
6976.381263						
MYCN	MYCN	0	1.015591254	0		0
WAC	WAC	7834.131344		7678.885472		8531.23672

9147.544242					
HIC2	HIC2	160.4778699	46.71719769	108.0355461	
179.1233027					
DSE	DSE	219.0464356	737.3192504	641.9632864	
483.6329173					
TBX21	TBX21	2912.029085	1487.841187	2020.532569	
2678.364752					
KCNJ14	KCNJ14	29.28428284	22.34300759	64.28561422	
49.96597391					
RPA4	RPA4	11.71371313	12.18709505	6.249990271	
6.599279573					
RBM34	RBM34	2491.506784	3058.960857	3049.995252	
3018.699028					
SETX	SETX	10371.32161	7381.317234	11631.23189	
13032.6344					
SEC23A	SEC23A	5870.913023	6645.013575	5662.491186	
6208.979324					
ATP5H	ATP5H	5096.636585	4838.276734	3670.530001	
4357.410027					
TP53RK	TP53RK	2079.184081	2478.04266	2762.4957	
2696.277083					
USP38	USP38	4525.007384	3879.55859	2898.209774	
3430.682624					
RNF181	RNF181	3266.954593	3738.391406	3024.102436	
2927.251868					
HELB	HELB	2865.174233	1655.413744	2298.210708	
2430.420391					
RNF114	RNF114	6870.092753	8324.801509	10444.6266	
8706.335265					
FKBP2	FKBP2	2095.58328	2510.54158	2688.388672	
1943.016457					
TTYH1	TTYH1	24.59879758	7.109138778	5.357134518	0
GSTCD	GSTCD	679.3953618	730.2101117	490.1778084	
390.300249					
SDK2	SDK2	11.71371313	4.062365016	0	6.599279573
STXBP3	STXBP3	3901.837845	3762.765596	4686.599848	
4662.862395					
PPP4C	PPP4C	13836.23795	18243.0657	9581.235086	
10202.48622					
PPP2CA	PPP2CA	20209.66927	24176.1498	18643.72098	
18053.7434					
PATL2	PATL2	436.9214999	362.5660777	1176.783882	
985.1781648					
C9orf47	C9orf47	1.171371313	0	0	3.771016899
TSSC4	TSSC4	2929.599655	4656.4859	4577.671446	
3227.990465					
B4GALNT4	B4GALNT4		0	0	0
ZNF688	ZNF688	1201.826968	1431.983668	1468.747714	29.22538097
1099.251426					
C17orf50	C17orf50		2.342742627	1.015591254	

7.142846024	0			
PEX1 PEX1	1321.306842	1186.210585	1633.033172	
1844.027264				
PORCN PORCN	507.2037787	778.9584919	458.0350013	
308.2806315				
LRRC8C LRRC8C	10409.97686	7178.198984	5949.097882	
6650.188301				
C2orf16 C2orf16	18.74194102	20.31182508	0	73.53482953
UBQLN1 UBQLN1	7700.595015	11408.13656	9384.80682	
8316.97777				
PDGFD PDGFD	2.342742627	0	0	11.3130507
MRPL43 MRPL43	2602.787059	3108.724829	2917.852601	
2471.901577				
CCDC28B CCDC28B	648.9397077	1319.253039	420.5350597	
365.7886392				
SLC35F5 SLC35F5	1359.962095	1082.620277	1176.783882	
1140.732612				
CXXC4 CXXC4	0	9.140321286	0	0
PGLYRP3 PGLYRP3	9.370970508	4.062365016	0	2.828262674
RPL9 RPL9	8942.248607	10451.4496	13792.83567	
11209.34773				
IARS IARS	20740.30048	23697.80632	20191.04	
21672.97687				
ATP8A1 ATP8A1	1080.004351	424.5171442	633.0347289	
1081.339096				
NBR1 NBR1	10230.75705	9596.32176	12623.19464	
11313.0507				
RPS15AP10	RPS15AP10	19.91331233	18.28064257	
20.53568232	8.484788022			
LINC00263	LINC00263	40.99799597	19.29623383	
142.8569205	71.64932108			
FAM95B1 FAM95B1	1.171371313	0	0	0
OIP5-AS1	OIP5-AS1	5230.172915	5163.265936	
3138.387972	2631.227041			
CYP4F35P	CYP4F35P	4.685485254	0	0
15.0840676				
ZNRD1-AS1	ZNRD1-AS1	35.1411394	8.124730032	
5.357134518	49.96597391			
KIAA1841	KIAA1841	677.0526192	501.7020795	
157.1426125	257.3719033			
SC02 SC02	4036.545546	5616.219635	4262.493365	
4994.711883				
ZNF680 ZNF680	515.4033779	470.2187506	756.2488228	
746.661346				
TRIM3 TRIM3	92.53833376	37.5768764	273.2138604	
246.0588527				
SET SET	17943.06578	13214.8734	12342.83793	
12266.17522				
LARGE LARGE	1.171371313	10.15591254	60.71419121	
24.51160984				

RHOV	RHOV	3.51411394	17.26505132	5.357134518	
5.656525348					
NOP14	NOP14	4759.281647	5877.226587	5938.383613	
6095.848817					
ADCY10	ADCY10	0	4.062365016	0.892855753	0
CNTFR	CNTFR	2.342742627	0	0	0
WAS	WAS	2004.216317	725.1321554	400.8922331	
623.1605425					
IQSEC3	IQSEC3	2.342742627	10.15591254	113.3926806	0
CYP51A1	CYP51A1	1987.817119	2515.619536	3513.387388	
4046.301132					
AVPR2	AVPR2	3.51411394	0	0	0
NEFM	NEFM	4.685485254	1.015591254	34.82137437	
54.67974503					
ZNF595	ZNF595	215.5323217	277.2564124	537.4991633	
438.3807145					
RAD21-AS1	RAD21-AS1		251.8448324	215.3053459	
104.4641231	139.5276253				
GTPBP3	GTPBP3	1521.611336	1171.992307	1163.391046	
1790.290273					
CCNG2	CCNG2	1741.829143	877.4708435	991.0698859	
1145.446383					
RRP1	RRP1	3237.67031	5327.791719	3950.886707	
4039.701853					
PCDHGA11	PCDHGA11		8.199599194	22.34300759	
9.821413283	22.62610139				
TFAP4	TFAP4	99.56656164	16.24946006	12.49998054	
49.96597391					
C16orf89	C16orf89		0	0	2.678567259
0.942754225					
SCCPDH	SCCPDH	2083.869567	1811.814797	1037.498385	
1681.873537					
NUDT13	NUDT13	73.79639275	91.40321286	166.0711701	
44.30944856					
LOC101927164	LOC101927164		134.707701	194.9935208	
156.2497568	150.840676				
BAG4	BAG4	2224.434124	1863.609951	1508.926223	
1852.512052					
HSD17B7	HSD17B7	848.0728309	1469.560545	1574.997548	
1186.927569					
CILP	CILP	0	5.07795627	0.892855753	31.11088942
THEMIS	THEMIS	5436.334266	4146.65909	4770.528288	
3832.295923					
LOC100507053	LOC100507053		19.91331233	19.29623383	
28.5713841	37.71016899				
LOC257396	LOC257396		156.963756	140.1515931	
265.1781587	206.4631752				
LOC100630923	LOC100630923		1299.050787	1550.807845	
2272.317891	1911.905568				
LINC00880	LINC00880		256.5303176	137.1048193	

132.1426514	78.24860065			
LOC642236	LOC642236	21.08468364	9.140321286	
28.5713841	21.68334717			
LOC648987	LOC648987	303.3851702	275.2252298	
966.0699248	642.9583813			
SPG200S SPG200S	25.7701689	22.34300759	24.99996108	
33.93915209				
LOC100507501	LOC100507501	87.85284851	49.76397145	
206.249679	154.6116929			
MCF2L-AS1	MCF2L-AS1	2.342742627	6.093547524	
49.10706642	93.33266825			
GOLGA8T GOLGA8T	0 0	1.785711506	0.942754225	
LINC00996	LINC00996	43.3407386	37.5768764	
43.7499319	41.48118589			
ASAP1-IT2	ASAP1-IT2	4.685485254	1.015591254	
6.249990271	12.25580492			
SENP1 SENP1	4179.452846	3572.850032	2529.460348	
3548.526902				
GATAD1 GATAD1	482.6049811	383.893494	680.3560838	
730.6345242				
ST8SIA6-AS1	ST8SIA6-AS1	3.51411394	19.29623383	
4.464278765	2.828262674			
LINC00944	LINC00944	32.79839678	13.2026863	
161.6068913	236.6313104			
PRRC1 PRRC1	3712.075692	4011.585454	3532.137359	
3765.360374				
MIR1292 MIR1292	458.0061836	575.840241	606.2490563	
570.366306				
SMAD9 SMAD9	49.19759517	12.18709505	21.42853807	
69.76381263				
TMEM179B	TMEM179B	4277.848037	4720.468149	
4533.921514	4306.501299			
PIP5K1C PIP5K1C	1526.296821	1109.025649	1207.140978	
1383.020448				
AP5S1 AP5S1	1420.873403	1854.46963	817.8558698	
1018.174563				
TEX29 TEX29	16.39919839	4.062365016	8.92855753	
16.02682182				
C12orf54	C12orf54	7.028227881	5.07795627	0
0				
ZNF746 ZNF746	1888.250557	1941.810478	1676.783104	
1631.907563				
C7orf60 C7orf60	440.4356139	385.9246765	809.820168	
675.9547791				
DYNLRB2 DYNLRB2	44.51210991	14.21827756	37.49994163	
16.96957604				
FRMD5 FRMD5	325.6412251	152.3386881	48.21421066	
125.3863119				
NTN5 NTN5	3.51411394	1.015591254	5.357134518	
9.427542247				

ZNF446	ZNF446	340.8690522	368.6596252	467.8564146	
508.1445271					
RNASEH2C	RNASEH2C		4766.309874	5688.326614	
5567.848476	4973.028535				
PLA2G12A	PLA2G12A		640.7401085	982.0767427	
874.998638	924.8418944				
ZFYVE9	ZFYVE9	16.39919839	41.63924142	232.1424958	
231.9175393					
PFN2	PFN2	17.5705697	20.31182508	244.6424763	
89.56165135					
CHD5	CHD5	3.51411394	9.140321286	0	0
DNAH1	DNAH1	249.5020898	134.0580455	199.9996887	
227.2037682					
PPP1R10	PPP1R10	2.342742627	0	1.785711506	3.771016899
TAL2	TAL2	1.171371313	4.062365016	6.249990271	
8.484788022					
PITX1	PITX1	1.171371313	21.32741634	14.28569205	0
TFCP2	TFCP2	1668.03275	1199.413271	1067.855481	
1219.923967					
NPAS1	NPAS1	17.5705697	20.31182508	3.571423012	
2.828262674					
RPL5	RPL5	21453.66561	23331.17788	22912.46433	
24285.34883					
ST8SIA1	ST8SIA1	62.08267961	57.88870148	121.4283824	
143.2986422					
FLG	FLG	0	0	0.892855753	11.3130507
CYC1	CYC1	12418.87867	21096.87712	11015.16143	
10117.63834					
FOXO1	FOXO1	4817.850212	5941.208836	7066.060429	
6831.197112					
SF3B4	SF3B4	8338.992381	9141.336878	5960.705007	
6192.009748					
CYP2E1	CYP2E1	4.685485254	11.17150379	0	0.942754225
HDAC3	HDAC3	7503.804634	9325.158895	5771.419588	
6602.107836					
PCDHGB4	PCDHGB4	5.856856567	14.21827756	9.821413283	
12.25580492					
PCDHGA12	PCDHGA12		0	15.23386881	9.821413283
12.25580492					
EFNB1	EFNB1	460.3489262	625.6042125	791.0701972	
388.4147406					
PHC1	PHC1	2236.147837	2558.274369	3667.851433	
4218.825156					
ATP5E	ATP5E	15671.7768	13560.17442	10260.69831	
11064.16358					
GLTSCR1L	GLTSCR1L		923.040595	417.4080054	
758.0345343	657.0996946				
TMEM131	TMEM131	3078.363812	1867.672316	2136.603817	
2117.425989					
ADSS	ADSS	3630.0797	3218.408684	3298.209152	

3948.254693				
CCZ1B	CCZ1B	1050.720068	1633.070737	1097.31972
819.2534213				
CCT5	CCT5	26952.08255	37260.01193	22009.78717
25075.37687				
LOC101928035	LOC101928035	0	0	0
LOC101928248	LOC101928248	9.370970508	5.07795627	0
		2.828262674		
MAST2	MAST2	2780.835498	2403.904498	1698.211642
1584.769852				
PUS1	PUS1	1458.357285	1652.36697	949.1056655
986.1209191				
TRPS1	TRPS1	894.9276835	226.4768497	288.3924082
669.3554995				
CCDC51	CCDC51	1706.688004	2900.528622	1776.782949
1449.955998				
LOC730183	LOC730183		114.7943887	72.10697904
97.32127708		98.04643937		
SLC35G6	SLC35G6	9.370970508	9.140321286	0
GRAMD3	GRAMD3	1259.224162	1092.776189	8.484788022
1044.571681				804.4630335
RAD23B	RAD23B	1087.032579	485.4526194	600.8919218
807.9403706				
TAF13	TAF13	66.76816487	49.76397145	45.5356434
82.01961755				
TAF12	TAF12	2634.414084	3211.299545	2873.209813
2447.389967				
THG1L	THG1L	561.0868591	834.8160108	791.9630529
675.0120249				
ANKRD10	ANKRD10	5883.798108	3596.208631	2829.459881
4045.358378				
GABARAPL2	GABARAPL2		6113.386885	4786.48158
5563.384197		5962.920471		
MRPL27	MRPL27	4317.674661	6655.169488	2512.496089
2760.38437				
VAMP2	VAMP2	1700.831147	1375.110558	3849.994007
3160.112161				
NXF1	NXF1	6101.673172	6406.349631	9946.413089
8782.698357				
MRPS2	MRPS2	2897.97263	4733.670835	3058.92381
2874.457631				
SMG6	SMG6	2931.942398	2604.991567	2866.066967
2224.89997				
THOC1	THOC1	2719.92419	2717.722196	2324.103525
2865.972843				
SPTBN1	SPTBN1	20107.75997	9738.504535	4268.743355
5144.609804				
VSIG1	VSIG1	50.36896648	70.07579653	245.5353321
157.4399555				
ARL9	ARL9	1.171371313	7.109138778	5.357134518

10.37029647					
CRIP3	CRIP3	4.685485254	7.109138778	7.142846024	
7.542033798					
PBLD	PBLD	64.42542224	106.6370817	108.9284019	
53.73699081					
NKIRAS2	NKIRAS2	2082.698195	2609.053932	2108.032433	
2314.461622					
ATAD3C	ATAD3C	18.74194102	18.28064257	16.96425931	
25.45436407					
AMIG02	AMIG02	832.8450039	582.9493798	2218.746546	
1662.075698					
MIR4435-1	MIR4435-1		7.028227881	3.046773762	0
10.37029647					
MIR4434	MIR4434	17.5705697	9.140321286	11.60712479	
19.79783872					
MIR4420	MIR4420	2.342742627	2.031182508	3.571423012	
5.656525348					
MIR378E	MIR378E	3.51411394	0	5.656525348	
MIR54802	MIR54802		1.171371313	0	0
0.942754225					
AFF1	AFF1	1564.952075	690.6020528	1397.319253	
1314.199389					
UPP2	UPP2	2.342742627	0	4.464278765	0
SIK1	SIK1	28.11291152	30.46773762	74.1070275	
49.02321969					
FAM149B1	FAM149B1		413.4940737	269.1316823	
304.4638118		425.1821553			
FGFR3	FGFR3	19.91331233	2.031182508	3.571423012	
16.02682182					
COX11	COX11	2610.986658	3690.658617	2540.174617	
2404.966027					
CALR	CALR	18664.63051	15900.09667	10150.87706	
11628.87336					
CALD1	CALD1	3.51411394	15.23386881	72.321316	
51.85148236					
CAD	CAD	7517.86109	5124.673468	4724.099789	
5729.117424					
SHARPIN	SHARPIN	2068.64174	3283.406524	3040.173839	
2638.769075					
NDUFB4	NDUFB4	6764.669335	5967.614209	4449.100217	
5423.665055					
ERMP1	ERMP1	4260.277467	3261.063517	1136.605374	
1983.554889					
MY03A	MY03A	0	1.785711506	0	
PHKG2	PHKG2	2152.980474	3020.36839	2977.673936	
2233.384758					
SH2D5	SH2D5	3.51411394	0	0.892855753	12.25580492
SCGB2B3P	SCGB2B3P		1.171371313	0	4.464278765
3.771016899					
SPEG	SPEG	2.342742627	7.109138778	17.85711506	

14.14131337				
PSMG1	PSMG1	3394.634066	4833.198778	2498.210397
3017.756273				
SNORD56B	SNORD56B	0	5.07795627	1.785711506
3.771016899				
SNORD83B	SNORD83B	28.11291152		29.45214637
63.39275847	64.10728728			
SNORD83A	SNORD83A	21.08468364		13.2026863
53.57134518	44.30944856			
RNU86	RNU86	121.8226166	218.3521196	266.0710144
186.6653365				
TSPY26P	TSPY26P	19.91331233	16.24946006	79.46416202
31.11088942				
SNORD32A	SNORD32A	18.74194102		18.28064257
72.321316	39.59567744			
SNORD33	SNORD33	2.342742627	4.062365016	11.60712479
10.37029647				
SNORD34	SNORD34	19.91331233	10.15591254	40.17850889
37.71016899				
SNORD35A	SNORD35A	8.199599194		16.24946006
25.89281684	21.68334717			
SNORD36B	SNORD36B	15.22782708		15.23386881
7.142846024	16.02682182			
SNORD36C	SNORD36C	22.25605496		10.15591254
17.85711506	26.39711829			
ISY1-RAB43	ISY1-RAB43	4482.838017		5119.595512
4635.70707	4262.19185			
SLC4A2	SLC4A2	3307.952589	2288.127095	1350.890754
1745.980824				
HDX	HDX	165.1633552	197.0247033	100.8927001
118.7870323				
PIGH	PIGH	1167.8572	1716.349219	2899.10263
1791.233027				
RAP2B	RAP2B	3913.551558	2646.630808	2031.246838
2167.391963				
RDH8	RDH8	0	0	10.37029647
KDELC1	KDELC1	821.1312907	969.8896476	239.2853418
329.0212244				
DGUOK	DGUOK	4563.662637	5675.123928	5613.384119
5177.606202				
SP1	SP1	2504.391868	989.1858814	1480.354839
2200.38836				
THOC2	THOC2	5854.513825	4869.760063	5366.063076
6479.549786				
KLHL18	KLHL18	2014.758659	2547.102865	1894.639908
1957.157771				
MRAS	MRAS	0	0	6.249990271
POLR2A	POLR2A	19368.62467	13083.86213	15708.90412
15437.60043				
COL1A1	COL1A1	19.91331233	16.24946006	46.42849916

6.599279573						
SPRED3	SPRED3	12.88508445	0	8.92855753	0.942754225	
CNIH2	CNIH2	11.71371313	3.046773762	11.60712479		
6.599279573						
DIRAS3	DIRAS3	5.856856567	6.093547524	0	22.62610139	
ASH2L	ASH2L	5284.055995	6182.919555	4962.492275		
5158.751118						
PIAS2	PIAS2	1885.907815	1816.892753	1635.71174		
1946.787474						
UPP1	UPP1	1279.137474	2859.904971	2807.138488		
1802.546078						
CCNF	CCNF	12372.02381	14339.13292	3844.636873		
5814.908058						
HNRNPA0	HNRNPA0	2971.769022	1866.656725	2242.853652		
2713.246659						
IGFBP3	IGFBP3	53.88308042	95.46557788	276.7852834		
238.5168189						
IGFBP2	IGFBP2	1.171371313	0	44.64278765	22.62610139	
NPAT	NPAT	4233.335927	3524.101652	6641.953947		
6443.725126						
MPV17	MPV17	4772.166731	5756.371228	4061.600821		
4555.388414						
PABPN1	PABPN1	7918.470079	5355.212683	5607.134129		
5489.657851						
SLC1A6	SLC1A6	0	0	0.942754225		
SURF4	SURF4	30283.46257	42568.50741	19970.50463		
25675.91131						
TMEM249	TMEM249	178.0484396	191.946747	149.9997665		
164.0392351						
SQRDL	SQRDL	14088.08279	20225.49982	14796.40554		
13554.92024						
SNORD98	SNORD98	3.51411394	4.062365016	27.67852834		
11.3130507						
SNORD99	SNORD99	16.39919839	4.062365016	24.99996108		
12.25580492						
SNORD110	SNORD110		92.53833376	58.90429273		
167.8568816		151.7834302				
SNORD111	SNORD111		2.342742627	0	0	
0.942754225						
HULC	HULC	0	0	0.942754225		
FLG-AS1	FLG-AS1	0	0	2.828262674		
LOC101929412	LOC101929412		0	2.031182508	0	0
CHRM3-AS2	CHRM3-AS2		294.0141997	319.911245		
312.4995136		303.5668604				
XXYLT1-AS1	XXYLT1-AS1		0	0	0	0.942754225
LOC440416	LOC440416		1.171371313	0	0	0
PDK1	PDK1	1140.915659	1164.883168	1889.282773		
2059.917981						
CCS	CCS	1173.714056	1082.620277	1446.42632		
1369.821889						

MRGPRF	MRGPRF	0	0	0	4.713771124	
TINAGL1	TINAGL1	2.342742627		5.07795627	0	0
TRIM45	TRIM45	52.71170911		29.45214637	39.28565313	
				4.713771124		
ZDHHC7	ZDHHC7	3299.75299		3257.001152	3322.316257	
				3460.850759		
LRRC15	LRRC15	0	0	0	0.942754225	
TKT	TKT	7848.1878		8369.487525	3946.422428	
				5156.865609		
POLD2	POLD2	7788.447863		11176.58175	7835.702089	
				7691.931719		
ZNF619	ZNF619	340.8690522		369.6752165	584.8205182	
				483.6329173		
CD84	CD84	3640.622042		3205.205998	4466.064477	
				4792.019724		
LIM2	LIM2	0	0	0	0.942754225	
IL11RA	IL11RA	187.4194102		227.4924409	239.2853418	
				201.7494041		
MOGS	MOGS	3958.063668		2755.299072	3077.673781	
				3932.227871		
ZNF473	ZNF473	579.8288002		619.510665	2200.889431	
				1160.530451		
RLIM	RLIM	1819.13965		1322.299813	2245.532219	
				2269.209419		
LOC100134391	LOC100134391			0	0	8.92855753
TUBA1A	TUBA1A	9631.014939		11432.51075	8212.487216	0
				7427.017782		
C3orf52	C3orf52	127.6794732		208.1962071	212.4996692	
				106.5312274		
EFCAB9	EFCAB9	1.171371313		2.031182508	2.678567259	0
WWC3	WWC3	1341.220154		1218.709505	1746.425853	
				1834.599721		
KAT5	KAT5	3419.232864		4511.25635	5879.455134	
				4332.898417		
VTI1A	VTI1A	1794.540852		2020.011004	1616.961769	
				1777.091714		
ELMOD1	ELMOD1	4.685485254		5.07795627	0	4.713771124
LE01	LE01	3286.867906		4128.378448	2878.566948	
				3304.353558		
WRB	WRB	1793.369481		1717.364811	1132.141095	
				1319.855915		
PKP4	PKP4	441.6069852		136.089228	79.46416202	
				214.005209		
RPE65	RPE65	0	0	0	2.828262674	
TTC28	TTC28	55.05445173		10.15591254	69.64274874	
				49.96597391		
ASCC1	ASCC1	2648.47054		3184.894173	3315.173411	
				2676.479244		
XG	XG	0	0	1.785711506	0	
ZNF835	ZNF835	1.171371313		7.109138778	100.8927001	

144.2413964				
MEF2B MEF2B	111.2802748	105.6214904	175.8925833	
126.3290661				
RBM14-RBM4	RBM14-RBM4	6532.737815	8334.957422	
7693.738024	6784.059401			
POU5F1B POU5F1B	0 0	0.892855753	0	
FYTTD1 FYTTD1	4532.035612	5170.375074	7543.738257	
5886.557379				
TMIE TMIE	0 1.015591254	15.1785478	11.3130507	
LOC100132057	LOC100132057	14.05645576	13.2026863	
54.46420093	28.28262674			
PIGC PIGC	1864.823131	2135.788407	3423.208957	
2629.341533				
FNDC5 FNDC5	9.370970508	3.046773762	16.07140355	
2.828262674				
DPYD-AS1	DPYD-AS1	168.6774691	295.5370549	
227.678217	211.1769463			
LAMTOR4 LAMTOR4	4482.838017	5427.319662	4693.742694	
4306.501299				
FSD1 FSD1	882.042599	924.1880412	267.8567259	
554.3394841				
CD300A CD300A	134.707701	126.9489068	261.6067356	
205.520421				
SPCS3 SPCS3	7677.167588	6956.80009	5079.456379	
7027.289991				
FILIP1 FILIP1	3.51411394	0 7.142846024	5.656525348	
ATP6V0E2	ATP6V0E2	5038.068019	8649.790711	
5522.312832	3688.997281			
IFRD1 IFRD1	2308.772859	2163.209371	3261.602066	
2970.618562				
PTH2R PTH2R	15.22782708	12.18709505	0 3.771016899	
MRPL39 MRPL39	4070.515314	4850.463829	3375.887602	
3533.442834				
NSRP1 NSRP1	1103.431777	1300.972396	1518.747636	
1346.253033				
RNF121 RNF121	834.0163752	694.6644178	583.0348067	
727.8062615				
PLCB4 PLCB4	0 0	1.785711506	0	
2-Mar 2-Mar	954.6676205	1505.106239	1112.498268	
922.956386				
IBA57 IBA57	648.9397077	902.8606249	632.1418731	
515.6865609				
CRTAM CRTAM	152.2782708	640.8380813	4249.993384	
1383.020448				
SDCCAG3 SDCCAG3	598.5707412	546.3880947	672.320382	
822.081684				
TP53BP2 TP53BP2	2876.887946	2083.993253	3882.136814	
3453.308725				
NCAPH NCAPH	8005.151556	6973.04955	2662.495856	
4446.971678				

RCCD1	RCCD1	1117.488233	1122.228336	695.5346316
956.8955381				
CDK11A	CDK11A	1365.818951	1111.056832	1716.961613
1274.603712				
RASA4	RASA4	108.9375322	183.822017	287.4995525
209.2914379				
JAKMIP3	JAKMIP3	0	9.140321286	0
9.427542247				
GPR107	GPR107	1795.712224	1041.996627	931.2485504
893.731005				
SLC35G2	SLC35G2	59.73993699	190.9311558	291.0709755
131.0428372				
SLC26A6	SLC26A6	1755.885599	1636.11751	635.7132962
1183.156552				
RAB37	RAB37	3941.66447	3681.518296	433.927896
620.3322799				
RCN2	RCN2	3612.509131	3404.261884	3704.458519
3741.791518				
FGD1	FGD1	202.6472372	169.6037394	456.2492898
325.2502075				
ANKRD26	ANKRD26	596.2279986	628.6509863	634.8204404
543.9691877				
SLC4A9	SLC4A9	8.199599194	2.031182508	0
4.713771124				
APPL2	APPL2	1753.542856	1297.925623	1178.569594
1521.605319				
NAALADL1	NAALADL1		397.0948753	335.1451138
372.320849				
ANKRD18A	ANKRD18A		5.856856567	2.031182508
58.03562395				
CDPF1	CDPF1	671.1957626	821.6133245	911.6057238
692.9243552				
ZNF474	ZNF474	2.342742627	2.031182508	0
0				
TUBA3E	TUBA3E	3.51411394	5.07795627	2.678567259
6.599279573				
DMRT2	DMRT2	2.342742627	29.45214637	0
0				
TARDBP	TARDBP	13108.81637	13586.5798	11486.58926
13179.70406				
SHOC2	SHOC2	4539.06384	4115.175761	5831.240923
4967.37201				
SKA3	SKA3	4111.51331	5004.8337	2135.710961
2618.028482				
RNF103-CHMP3	RNF103-CHMP3		1991.331233	2613.116297
3450.887485				
ZNF652	ZNF652	879.6998564	485.4526194	1502.676232
1120.934773				
CLP1	CLP1	2360.313197	2706.550692	2252.675065
2148.536878				
ALKBH2	ALKBH2	429.893272	708.8826953	823.2130043
822.081684				
GRM5	GRM5	0	0	2.828262674
0				
HSD17B13	HSD17B13		7.028227881	3.046773762

31.24995136		3.771016899			
CD46	CD46	5355.509645	5653.796511	9876.77034	
9516.161144					
NACAD	NACAD	0	3.046773762	0	8.484788022
MROH9	MROH9	9.370970508	0	0	0
ALDH3B1	ALDH3B1	1.171371313	2.031182508	2.678567259	
6.599279573					
ATP1A1	ATP1A1	4184.138332	2794.907131	3118.745145	
2991.359155					
KCNE2	KCNE2	4.685485254	3.046773762	2.678567259	
9.427542247					
EHHADH	EHHADH	370.1533351	268.1160911	100.8927001	
288.4827928					
MICU1	MICU1	2279.488576	2557.258778	1920.532725	
2157.021666					
TRIM32	TRIM32	1618.835155	1905.249193	1410.71209	
1547.059683					
SOWAHD	SOWAHD	39.82662466	53.82633646	95.53556557	
24.51160984					
FBX045	FBX045	2853.46052	3097.553325	1874.997081	
1953.386754					
RIMBP3C	RIMBP3C	10.54234182	21.32741634	49.99992217	
33.93915209					
SFTPA2	SFTPA2	5.856856567	0	0	0
PRR23A	PRR23A	0	1.785711506	0	0
ZNF846	ZNF846	119.479874	90.38762161	424.1064827	
240.4023273					
PCDH17	PCDH17	0	4.464278765	0	
GRAPL	GRAPL	8.199599194	2.031182508	1.785711506	
1.885508449					
DPEP3	DPEP3	10.54234182	6.093547524	0	41.48118589
ST3GAL1	ST3GAL1	6485.882963	5724.887899	5593.741293	
6166.555384					
UNCX	UNCX	0	1.015591254	0	0
KATNAL1	KATNAL1	990.9801312	754.5843018	283.9281295	
434.6096976					
PEAR1	PEAR1	0	0	0.892855753	3.771016899
UQCC3	UQCC3	791.8470079	1034.887488	610.7133351	
663.6989742					
GNAT3	GNAT3	0	0	0.892855753	0
MAZ	MAZ	4434.811793	3765.81237	3049.995252	
3027.183816					
ICT1	ICT1	1842.567076	2657.802312	1508.926223	
1742.209807					
CYP2B6	CYP2B6	1.171371313	10.15591254	11.60712479	0
PNMT	PNMT	0	0	4.713771124	
EXOSC10	EXOSC10	8014.522527	9991.386757	6044.633448	
7711.729558					
ZNF266	ZNF266	1738.315029	1346.674003	2446.424763	
2497.355941					

NPIPB3 NPIPB3	291.6714571	149.2919143	270.5352932		
232.8602935					
MRPL13 MRPL13	6833.780243	7476.782812	3796.422662		
5053.162644					
MRC2 MRC2	885.556713	626.6198037	303.570956		
370.5024103					
NR2F6 NR2F6	600.9134838	695.680009	813.391591		
933.3266825					
ALG12 ALG12	2414.196277	2202.81743	2533.031771		
2310.690605					
RWDD2A RWDD2A	187.4194102	217.3365284	289.285264		
463.8350786					
CTPS2 CTPS2	455.6634409	507.795627	308.0352348		
384.6437237					
RPP40 RPP40	509.5465214	761.6934405	562.4991244		
576.0228313					
PRKRIP1 PRKRIP1	1000.351102	1340.580455	1833.032861		
1549.887945					
LRRK1 LRRK1	21.08468364	22.34300759	0.892855753		
7.542033798					
FTSJ3 FTSJ3	7623.284508	8226.289158	5711.598252		
7773.951337					
TRIT1 TRIT1	945.29665	1263.39552	1060.712635		
1258.57689					
FRMD3 FRMD3	1.171371313	0	272.3210047	235.6885562	
HMHA1 HMHA1	37660.7591	39053.54608	27024.95793		
26914.69036					
LINC00028	LINC00028	0	0	2.678567259	0
LOC100132356	LOC100132356	101.9093043	86.32525659		
382.1422623	219.6617344				
LRIT3 LRIT3	2.342742627	0	0	0	
ZFP69 ZFP69	217.8750643	181.7908345	364.2851472		
420.4683842					
MED27 MED27	2971.769022	3938.462883	2471.424724		
2382.339926					
DLD DLD	10554.05553	12876.68151	7068.738997		
8160.480569					
NDUFAF3 NDUFAF3	5211.430974	6580.015735	4434.814525		
4147.175835					
MKNK1 MKNK1	2120.182077	2909.668943	1978.568349		
1967.528067					
PTHLH PTHLH	36.31251072	17.26505132	12.49998054	0	
MKNK2 MKNK2	4377.414598	2312.501285	1429.462061		
1694.129342					
MYH10 MYH10	2008.901803	2106.336261	745.5345538		
1133.190578					
LNPEP LNPEP	3337.236872	3001.072156	3950.886707		
4346.096976					
ABRACL ABRACL	10149.93243	10212.78565	5286.598914		
7516.579434					

RBM25	RBM25	4870.561921	4802.73104	5549.098505
5845.076193				
OTOF	OTOF	254.187575	217.3365284	88.39271955
150.840676				
AKNA	AKNA	5430.477409	2562.336734	2187.496595
2725.502464				
SMOC1	SMOC1	3.51411394	0	0
C9orf163	C9orf163	1.885508449	12.88508445	7.109138778
3.571423012				
MCOLN1	MCOLN1	795.3611218	802.3170907	913.3914353
688.210584				
SRPR	SRPR	14626.91359	16263.67834	15516.04728
14856.86383				
B3GNT4	B3GNT4	0	1.015591254	9.821413283
PET117	PET117	973.4095615	1250.192834	28.28262674
1189.755832				1060.712635
NEK1	NEK1	1065.947895	1407.609478	1249.105198
1244.435577				
PTAFR	PTAFR	31.62702546	29.45214637	107.1426904
92.38991402				
MPPED2	MPPED2	8.199599194	0	4.464278765
DCDC1	DCDC1	0	0	10.37029647
LOC101928295	LOC101928295	22.32139383	13.3928363	3.771016899
22.32139383		11.3130507	1.171371313	2.031182508
SLC9A3R2	SLC9A3R2	24.10710533	12.88508445	22.34300759
24.10710533		21.68334717		
DLL1	DLL1	4.685485254	14.21827756	268.7495817
75.42033798				
PPIL4	PPIL4	1385.732264	1524.402472	2859.816977
2090.086116				
TEX37	TEX37	0	1.015591254	0
ARL4D	ARL4D	131.1935871	411.3144579	208.9282462
132.9283457				
HNF1B	HNF1B	146.4214142	241.7107185	5.357134518
52.79423658				
SMTNL2	SMTNL2	1.171371313	2.031182508	0
NNT	NNT	10995.66252	9533.355102	0
6370.190296				4344.636094
WDR60	WDR60	291.6714571	350.3789826	462.4992801
320.5364364				
PSPH	PSPH	918.3551098	1239.02133	733.927429
752.3178713				
FAM9A	FAM9A	0	0	0.942754225
CRYGS	CRYGS	25.7701689	16.24946006	48.21421066
14.14131337				
XAF1	XAF1	6936.860918	6990.314602	9813.377582
9874.40775				
BEX1	BEX1	11.71371313	8.124730032	29.46423985
22.62610139				
DBNDD2	DBNDD2	127.6794732	213.2741634	1006.248434

464.7778328					
C14orf182	C14orf182		89.02421982		116.7929942
283.0352737	320.5364364				
NAA30 NAA30	2910.857714		3227.549005		2004.461166
2432.3059					
ITGA7 ITGA7	57.39719436		51.79515396		35.71423012
57.50800771					
C15orf65	C15orf65		4.685485254		6.093547524
4.464278765	1.885508449				
DEXI DEXI	1265.081019		1391.360018		1716.961613
1390.562481					
PYGM PYGM	31.62702546		26.40537261		60.71419121
16.02682182					
WDR75 WDR75	4617.545718		4768.200938		5087.492081
5917.668269					
EID2B EID2B	203.8186085		151.3230969		220.535371
181.9515654					
SALL2 SALL2	14.05645576		14.21827756		120.5355267
101.8174563					
SERPINA2	SERPINA2		0 0		8.035701777 0
ZNF761 ZNF761	1238.139478		1456.357858		2259.817911
1771.435188					
SNORD21 SNORD21	2.342742627		10.15591254		8.035701777
3.771016899					
CEP290 CEP290	422.8650442		338.1918876		483.9278181
591.1068989					
C11orf48	C11orf48		4916.245403		6146.35827
3867.851122	3785.158212				
ST7L ST7L	414.665445		426.5483267		585.713374
562.8242722					
DSCC1 DSCC1	1911.677984		1822.986301		576.7848165
984.2354106					
GSK3B GSK3B	1902.307013		1298.941214		1096.426865
1169.957993					
NPY2R NPY2R	0 0		0.892855753		0
RPS5 RPS5	11172.53959		14037.50231		13407.12199
11018.91138					
TMEM67 TMEM67	224.9032922		238.6639447		296.42811
249.8298695					
DYM DYM	2190.464356		2300.31419		2115.175279
2600.116152					
CIPC CIPC	1003.865216		1254.255199		1449.104887
1123.763036					
MPV17L2 MPV17L2	1309.593128		2364.296439		1726.783026
1270.832695					
FUT10 FUT10	292.8428284		417.4080054		450.8921553
378.9871983					
ZNF687 ZNF687	171.0202118		150.3075056		144.642632
185.7225823					
FAM167B FAM167B	3.51411394		3.046773762		0.892855753

2.828262674					
ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3	8417.474259		8033.32682	
11360.6966	11563.82332				
METTL20	METTL20	52.71170911	46.71719769	113.3926806	
153.6689386					
DLX3	DLX3	0	3.046773762	2.678567259	2.828262674
DDOST	DDOST	18281.59209	24971.35775	18115.15037	
16619.81423					
PPME1	PPME1	2958.883938	3795.264516	3739.279894	
3880.376389					
ZNF736	ZNF736	470.891268	212.2585721	496.4277987	
622.2177883					
ZNF407	ZNF407	1157.314858	721.0697904	1069.641192	
957.8382923					
IFITM10	IFITM10	21.08468364	5.07795627	21.42853807	
25.45436407					
ZFAND1	ZFAND1	982.780532	1105.978876	1610.711778	
1454.669769					
ERICH5	ERICH5	1.171371313	11.17150379	18.74997081	
35.82466054					
IQCG	IQCG	548.2017747	617.4794825	716.0703139	
1522.548073					
SDSL	SDSL	8.199599194	16.24946006	24.10710533	
10.37029647					
TAS2R60	TAS2R60	0	0	17.85711506	0
SLC36A1	SLC36A1	532.9739476	303.661785	159.8211798	
442.1517314					
ARID4A	ARID4A	1644.605324	1642.211058	3342.851939	
2934.793902					
CALR3	CALR3	9.370970508	15.23386881	4.464278765	
10.37029647					
NEIL2	NEIL2	679.3953618	907.9385811	1194.640998	
1145.446383					
MOGAT1	MOGAT1	0	1.015591254	0	0
OLFM2	OLFM2	175.705697	192.9623383	197.3211214	
98.04643937					
SNRPN	SNRPN	4443.011392	5499.426641	12707.12308	
8476.303234					
NMNAT1	NMNAT1	735.6211849	786.0676306	678.5703723	
622.2177883					
ARV1	ARV1	1344.734268	1229.881009	1242.855208	
1570.628538					
VPS29	VPS29	6970.830686	7709.353209	4827.671057	
5497.199884					
PARD3B	PARD3B	3.51411394	34.53010264	0.892855753	
5.656525348					
DLG3	DLG3	1855.452161	1114.103606	1049.998366	
1427.329896					
FBX041	FBX041	668.85302	212.2585721	217.8568037	
336.5632582					

KIAA0368	KIAA0368	5689.350469	5132.798198
4150.886396	4917.406036		
TOPAZ1 TOPAZ1	0 0	1.785711506	0
CBX1 CBX1	1837.881591	1565.026122	1333.033639
1384.905956			
SLC35F2 SLC35F2	3508.257084	4506.178394	1969.639791
2510.5545			
SLC37A1 SLC37A1	309.2420268	154.3698706	1436.604907
1053.056469			
FAM170A FAM170A	0 0	0 5.656525348	
AGAP5 AGAP5	90.19559114	39.60805891	112.4998249
86.73338867			
LIPN LIPN	1.171371313	22.34300759	5.357134518
8.484788022			
RAD21 RAD21	21484.12126	16963.42072	9786.591909
12219.03751			
ZBED4 ZBED4	2921.400056	1744.785774	1757.140122
1527.261844			
LMNA LMNA	3118.190436	7543.811835	8834.807676
4765.622606			
ZNF155 ZNF155	347.8972801	213.2741634	467.8564146
563.7670264			
NPHP3-ACAD11	NPHP3-ACAD11	1121.002347	666.2278627
1518.747636	1479.181379		
LOC653160	LOC653160	55.05445173	31.48332888
75.89273901	61.27902461		
MEF2C-AS1	MEF2C-AS1	0 0	0 0.942754225
STX16 STX16	4837.763525	3617.536047	4188.386337
5220.030142			
CREB3L3 CREB3L3	132.3649584	249.8354485	68.74989298
21.68334717			
SKA1 SKA1	3867.868077	3688.627435	1220.533814
1768.606926			
FUK FUK	1027.292642	877.4708435	788.3916299
709.8939312			
RASA2 RASA2	2505.563239	2352.109344	3209.816432
3681.455248			
SPINK13 SPINK13	0 0	0 8.484788022	
PMEL PMEL	53.88308042	18.28064257	36.60708587
76.3630922			
PVR PVR	518.9174919	520.9983133	295.5352543
340.3342751			
HEPACAM2	HEPACAM2	0 1.015591254	51.78563368
1.885508449			
C1orf101	C1orf101	22.25605496	7.109138778
51.78563368	44.30944856		
FRG2B FRG2B	0 0	0 6.599279573	
UNKL UNKL	1083.518465	820.5977333	1190.176719
1123.763036			
GTF3C2 GTF3C2	7424.151385	9341.408355	6873.203587

6853.823214				
CYBRD1	CYBRD1	148.7641568	47.73278894	99.10698859
107.4739816				
PRMT7	PRMT7	2796.063325	3821.669889	2848.209852
2810.350344				
PAPSS1	PAPSS1	3634.765186	5500.442232	3216.959278
3505.160207				
MMACHC	MMACHC	809.4175776	814.5041857	510.7134907
552.4539757				
MON2	MON2	3263.440479	2398.826542	2809.817055
2952.706232				
PIK3R1	PIK3R1	3455.545375	3099.584507	4733.921203
5849.789964				
RBMX	RBMX	15890.82324	16808.03525	15442.8331
18333.74141				
FKBP9	FKBP9	32.79839678	12.18709505	42.85707615
35.82466054				
LINC00526	LINC00526		149.9355281	121.8709505
240.1781976	263.9711829			
RAB33B	RAB33B	530.631205	299.5994199	1002.677011
915.4143522				
BCL11B	BCL11B	1088.20395	454.9848818	674.9989493
1066.255028				
ATP13A1	ATP13A1	9240.948292	10434.18454	7599.98817
7834.287607				
BCL2L10	BCL2L10	0	3.046773762	0
4.713771124				
ZBTB34	ZBTB34	272.929516	123.902133	211.6068135
277.1697421				
N4BP2L1	N4BP2L1	859.7865441	899.8138511	2419.639091
1581.941589				
SLC22A23	SLC22A23		49.19759517	27.42096386
245.5353321	181.0088111			
PSMG3	PSMG3	1529.810935	1872.750272	1190.176719
1268.947186				
ALS2	ALS2	1092.889435	693.6488265	906.2485893
1122.820282				
CCNJ	CCNJ	415.8368163	355.4569389	422.3207712
291.3110554				
FAM204A	FAM204A	1962.04695	2258.674949	2773.209969
2316.34713				
SCRN2	SCRN2	1173.714056	1104.963284	1002.677011
1458.440786				
MND1	MND1	671.1957626	656.0719501	320.5352153
430.8386807				
ATP8B1	ATP8B1	48.02622385	42.65483267	82.14272928
74.47758375				
ZDHHC9	ZDHHC9	343.2117948	515.9203571	603.570489
713.6649481				
C9orf43	C9orf43	23.42742627	44.68601518	189.2854196
34.88190631				

GCSAM	GCSAM	333.8408243	371.706399	1275.890871
723.0924904				
HFM1	HFM1	0	0	1.785711506
TRIM41	TRIM41	196.7903807	99.5279429	71.42846024
65.05004151				
ZNF564	ZNF564	917.1837384	863.2525659	2327.674948
1894.935992				
DENND5B	DENND5B	21.08468364	32.49892013	28.5713841
11.3130507				
ZNF470	ZNF470	188.5907815	224.4456671	693.7489201
369.5596561				
CD79B	CD79B	1896.450156	2961.464097	822.3201485
1294.401551				
SMIM1	SMIM1	10.54234182	2.031182508	8.035701777
22.62610139				
CCDC85B	CCDC85B	2558.274949	3649.019376	2340.174929
2228.670987				
DTX4	DTX4	0	0	20.53568232
NR2C2	NR2C2	2158.837331	1165.89876	1829.461438
1879.851924				
UROD	UROD	3829.212824	5387.711603	4999.992217
3889.803931				
EPB41	EPB41	6899.377036	2565.383508	6334.811568
5602.788357				
LBX2	LBX2	22.25605496	22.34300759	3.571423012
2.828262674				
STIM1	STIM1	4503.9227	2267.81527	2123.210981
1996.753448				
ROR2	ROR2	168.6774691	21.32741634	0
NRTN	NRTN	2.342742627	13.2026863	52.79423658
14.14131337				33.92851862
GANAB	GANAB	20172.18539	18178.06786	14082.12094
13768.92545				
NBPF20	NBPF20	86.6814772	66.01343151	243.7496206
115.0160154				
ZNF890P	ZNF890P	18.74194102	7.109138778	21.42853807
64.10728728				
APOL1	APOL1	3672.249068	4334.543472	6810.703684
5242.656244				
ZAR1L	ZAR1L	3.51411394	0	0
RAD21L1	RAD21L1	1.171371313	0	9.821413283
ACOXL	ACOXL	26.94154021	26.40537261	43.7499319
18.85508449				
SARS2	SARS2	2144.780875	2301.329782	1228.569516
1288.745025				
KAT6B	KAT6B	1580.179902	1339.564864	2850.888419
2404.023273				
CRKL	CRKL	9054.700253	8562.449863	10633.01916
8590.376496				
CRK	CRK	1890.5933	1840.251352	2960.709677

2481.329119					
HSPA1A	HSPA1A	264.7299168	1.015591254	0.892855753	
260.200166					
SYNJ1	SYNJ1	1284.994331	770.8337618	948.2128097	
1196.355111					
CXADR	CXADR	39.82662466	120.8553592	60.71419121	
90.50440557					
TMEM191C	TMEM191C		18.74194102	5.07795627	
27.67852834		16.96957604			
CLASP1	CLASP1	5039.239391	2833.499599	2824.995603	
3050.752671					
CRABP2	CRABP2	1.171371313	8.124730032	34.82137437	
3.771016899					
FGFBP2	FGFBP2	172.1915831	37.5768764	20.53568232	
124.4435577					
HINT3	HINT3	1010.893444	1091.760598	1539.283318	
1293.458796					
VWA3A	VWA3A	4.685485254	0	0	8.484788022
DIP2B	DIP2B	4290.733121	1689.943847	1705.354488	
2773.582929					
ABHD8	ABHD8	1037.834984	678.4149577	605.3562006	
671.241008					
ATP13A3	ATP13A3	7904.413623	4264.467676	2344.639207	
3634.317536					
WFDC12	WFDC12	0	4.062365016	6.249990271	0.942754225
SPSB4	SPSB4	0	2.031182508	3.571423012	0
CCNO	CCNO	3.51411394	6.093547524	12.49998054	
3.771016899					
MST1	MST1	37.48388203	28.43655511	94.64270982	
77.30584643					
UBR5	UBR5	4835.420782	1508.153012	2594.638818	
2522.810305					
SNORA26	SNORA26	12.88508445	7.109138778	41.96422039	
37.71016899					
KCNH2	KCNH2	30.45565415	22.34300759	47.32135491	
9.427542247					
HYAL2	HYAL2	849.2442023	1191.288541	630.3561616	
723.0924904					
LIN54	LIN54	2215.063154	1647.289014	1981.246916	
2130.624548					
PRSS37	PRSS37	0	0	1.785711506	7.542033798
ESRRA	ESRRA	3311.466703	3450.979081	3680.351414	
3485.362369					
PARP6	PARP6	1400.960091	1174.02349	3930.351025	
2951.763478					
CSNK2A1	CSNK2A1	6745.927394	6589.156056	4858.921008	
5659.353611					
MIPEPP3	MIPEPP3	344.3831662	292.4902812	200.8925444	
332.7922413					
HTATSF1P2	HTATSF1P2		245.9879758	513.8891745	

335.7137631	214.9479632			
BBS4 BBS4	1088.20395	1501.043873	1632.140317	
1313.256635				
RHPN1-AS1	RHPN1-AS1	11.71371313	21.32741634	
91.07128681	32.05364364			
HEBP2 HEBP2	2730.466532	3684.56507	2036.603973	
1681.873537				
SLC18A2 SLC18A2	66.76816487	47.73278894	28.5713841	
107.4739816				
RCN1 RCN1	1362.304838	1611.74332	1378.569283	
1663.018452				
SDHB SDHB	8264.024616	10782.53234	7395.524202	
7014.091432				
PIAS3 PIAS3	1884.736443	2016.964231	2865.174111	
2689.677803				
RASA1 RASA1	2782.006869	1935.71693	1367.855014	
1978.841118				
ZNF491 ZNF491	10.54234182	19.29623383	0.892855753	
34.88190631				
HERC4 HERC4	2450.508788	2418.122776	2548.210319	
2747.185811				
NCF4 NCF4	4015.460863	5981.832486	1267.855169	
2127.796285				
ISY1 ISY1	4530.86424	5575.595985	4845.528172	
4526.163033				
PIPOX PIPOX	11.71371313	12.18709505	39.28565313	
37.71016899				
TTC9 TTC9	327.9839678	1041.996627	1541.961885	
611.8474918				
NANS NANS	3250.555395	5550.206203	2322.317814	
2312.576113				
CDAN1 CDAN1	1677.403721	1522.37129	1543.747597	
1443.356718				
GIMAP8 GIMAP8	3619.537359	2525.775449	4265.171932	
3810.612576				
SIGLEC12	SIGLEC12	0	4.062365016	0
ZCWPW1 ZCWPW1	114.7943887	125.9333155	494.6420872	0
404.4415624				
PRUNE PRUNE	2185.778871	2610.069523	4462.493054	
3599.43563				
C10TNF6 C10TNF6	62.08267961	40.62365016	48.21421066	
74.47758375				
C19orf12	C19orf12	3281.011049	3108.724829	
2254.460776	2293.721029			
C18orf21	C18orf21	718.0506152	611.3859349	
699.9989104	778.7149896			
DDX55 DDX55	1835.538848	2217.035708	2477.674715	
2154.193403				
ZNFX1 ZNFX1	12876.88485	12486.69447	20019.61169	
15368.77937				

CCDC69	CCDC69	9447.109643	7974.422527	7616.952429
7357.25397				
PRPF31	PRPF31	7444.064697	11147.1296	6799.096559
6553.084616				
LDLRAP1	LDLRAP1	2142.438132	2826.39046	5762.49103
4597.812354				
LRMP	LRMP	2168.208301	844.9719234	2376.782015
3029.069324				
PRDM10	PRDM10	816.4458055	609.3547524	858.9272344
825.8527009				
TMEM206	TMEM206	986.2946459	1210.584775	1210.712401
804.1693537				
SPATA17	SPATA17	3.51411394	6.093547524	6.249990271
2.828262674				
ZNF701	ZNF701	916.0123671	763.724623	1621.426048
1831.771459				
WDR12	WDR12	2804.262924	3962.837073	2342.853496
2779.239454				
GINM1	GINM1	1315.449985	1174.02349	1418.747792
1474.467607				
NHLRC2	NHLRC2	1253.367305	997.3106115	677.6775165
898.4447762				
ACSF3	ACSF3	2698.839506	2524.759858	2214.282268
2590.68861				
SETBP1	SETBP1	76.13913537	28.43655511	3.571423012
41.48118589				
KLC1	KLC1	5833.429141	6290.572228	5241.06327
5851.675473				
ATP5S	ATP5S	372.4960777	210.2273896	196.4282657
247.9443611				
GBA	GBA	3837.412423	4785.465989	2796.424218
3389.201438				
H00K3	H00K3	2356.799083	1919.46747	1707.1402
1674.331503				
CHMP4B	CHMP4B	402.9517318	216.3209371	300.8923888
190.4363534				
MOCS2	MOCS2	2056.928026	1940.794886	2324.996381
1858.168577				
LOXL3	LOXL3	1296.708044	1615.805685	1017.855558
1119.049265				
MBNL1-AS1	MBNL1-AS1		781.3046661	683.492914
888.3914743	1018.174563			
TMX2	TMX2	6004.449353	8132.854762	8438.379722
7211.127065				
BCL7A	BCL7A	374.8388203	144.2139581	207.1425347
242.2878358				
SIRT1	SIRT1	1940.962266	1908.295966	2872.316958
2640.654583				
TTK	TTK	3879.58179	3785.108604	1142.855364
2419.107341				

KCNJ13	KCNJ13	43.3407386	18.28064257	28.5713841
16.96957604				
PXMP4	PXMP4	1149.115259	1398.469157	644.6418537
915.4143522				
RRH	RRH	1.171371313	0	0.892855753
FUT9	FUT9	0	0	0
WFDC2	WFDC2	17.5705697	0	14.28569205
LASP1	LASP1	13705.04437	8892.51702	5426.777267
7642.9085				
CRHR1-IT1	CRHR1-IT1		22.25605496	27.42096386
55.35705669	35.82466054			
SMC5-AS1	SMC5-AS1		19.91331233	13.2026863
30.3570956	10.37029647			
TNFRSF8	TNFRSF8	1046.034583	1407.609478	893.7486088
1680.930783				
MIR210	MIR210	1.171371313	0	0
C1QTNF8	C1QTNF8	8.199599194	6.093547524	4.464278765
5.656525348				
JMJD1C	JMJD1C	2731.637903	1952.981982	4083.922214
4443.200661				
RPL23AP82	RPL23AP82		316.2702546	453.9692906
566.9634032	522.2858405			
FBX05	FBX05	4098.628226	3827.763437	1853.568543
2068.402769				
THAP5	THAP5	1277.966103	357.4881214	742.8559865
1499.921972				
C16orf95	C16orf95		329.1553391	310.7709237
150.8926223	207.4059294			
REV3L	REV3L	2109.639736	1606.665364	1754.461555
2306.919588				
MANBAL	MANBAL	870.3288859	980.0455602	864.2843689
880.5324459				
NDP	NDP	1.171371313	0	0
MYOC	MYOC	0	1.785711506	0
GLYAT	GLYAT	0	0	1.885508449
CUBN	CUBN	5.856856567	12.18709505	62.49990271
28.28262674				
RPS11	RPS11	11459.52556	11287.2812	12476.76629
12539.57394				
ANKH	ANKH	3723.789405	3460.119403	3166.959356
3844.551728				
FOXD4L1	FOXD4L1	3.51411394	2.031182508	0
FOXB1	FOXB1	49.19759517	12.18709505	0
RNF115	RNF115	2259.575264	2223.129255	2301.782131
1952.443999				
CDC42BPA	CDC42BPA		51.54033779	64.99784026
8.035701777	51.85148236			
SOCS2-AS1	SOCS2-AS1		9.370970508	59.91988399
45.5356434	18.85508449			
MIR210HG	MIR210HG		24.59879758	18.28064257

31.24995136	67.87830418			
NSFL1C NSFL1C	3577.367991	5199.827221	5555.348495	
4391.349179				
MRPL42 MRPL42	6019.67718	6089.485159	3742.851317	
4519.563753				
ZNF343 ZNF343	611.4558256	678.4149577	1018.748414	
893.731005				
AKR1C3 AKR1C3	545.8590321	592.0897011	189.2854196	
167.810252				
TMEM89 TMEM89	0 1.015591254	5.357134518	1.885508449	
ANKZF1 ANKZF1	3025.652103	3049.820536	4558.028619	
4775.992902				
TMEM120B	TMEM120B	8249.968161	8662.993397	
5585.705591	7873.883285			
LAMA2 LAMA2	44.51210991	44.68601518	60.71419121	
36.76741476				
SPATA2 SPATA2	1577.837159	1585.337948	1682.140239	
1447.127735				
GATB GATB	1791.026738	2423.200732	1344.640764	
1674.331503				
SLC38A10	SLC38A10	7712.308728	9069.229899	
6224.097454	6969.781983			
GPR89A GPR89A	429.893272	581.9337886	680.3560838	
504.3735102				
NFKBIE NFKBIE	2887.430288	4640.23644	2844.638429	
2528.466831				
TP53BP1 TP53BP1	4206.394387	3247.86083	2628.567337	
3113.917204				
NOC2L NOC2L	8710.317087	13856.72707	8758.022081	
8138.797222				
MLLT6 MLLT6	1534.496421	628.6509863	1061.60549	
1057.77024				
DHRS11 DHRS11	446.2924704	607.3235699	334.8209074	
349.7618174				
TNFRSF6B	TNFRSF6B	44.51210991	13.2026863	
16.07140355	36.76741476			
NR5A2 NR5A2	135.8790724	45.70160643	0 58.45076193	
RIPK2 RIPK2	345.5545375	510.8424008	1975.889781	
1573.456801				
CDS2 CDS2	5056.80996	5711.685213	4801.77824	
4438.48689				
TMEM238 TMEM238	73.79639275	74.13816155	42.85707615	
65.05004151				
PCID2 PCID2	5955.251758	5380.602464	3769.636989	
4511.078965				
BNIP3L BNIP3L	2690.639907	2293.205052	5043.742149	
4594.041337				
PIK3C3 PIK3C3	2342.742627	2256.643767	2978.566792	
2708.532888				
RAB31 RAB31	110.1089035	256.9445873	60.71419121	

40.53843166					
FAN1	FAN1	1366.990323	1100.900919	2183.032316	
1724.297477					
SRP19	SRP19	4562.491266	4990.615422	3387.494727	
3769.13139					
CHRDL1	CHRDL1	0	0	1.785711506	0.942754225
MIR6865	MIR6865	5.856856567	0	0.892855753	4.713771124
PAOX	PAOX	242.4738619	275.2252298	336.6066189	
381.815461					
PLEKHA3	PLEKHA3	1405.645576	1204.491227	1983.925483	
1426.387142					
NDUFC2	NDUFC2	6975.516172	8459.875146	4427.671679	
4864.6118					
HEY2	HEY2	1.171371313	1.015591254	34.82137437	
33.93915209					
HEY1	HEY1	3.51411394	80.23170907	22.32139383	0
ANKRD39	ANKRD39	2037.014714	3693.705391	1016.962703	
1119.049265					
OVOL3	OVOL3	5.856856567	11.17150379	17.85711506	
8.484788022					
DRICH1	DRICH1	8.199599194	3.046773762	15.1785478	
13.19855915					
EVA1C	EVA1C	64.42542224	55.85751897	317.8566481	
269.6277083					
RDH13	RDH13	838.7018604	1458.389041	1002.677011	
1068.140537					
TMEM38B	TMEM38B	776.6191808	1026.762758	2292.853574	
1284.974008					
SHKBP1	SHKBP1	12431.76375	13930.86523	7058.024728	
8404.653913					
DCBLD2	DCBLD2	213.1895791	252.8822223	80.35701777	
147.0696591					
MRPL52	MRPL52	3456.716746	4107.051031	2325.889237	
2411.565307					
GPR62	GPR62	10.54234182	2.031182508	27.67852834	
7.542033798					
RLN3	RLN3	3.51411394	2.031182508	33.03566286	
3.771016899					
ASB16	ASB16	393.5807613	310.7709237	360.7137242	
466.6633412					
FAF1	FAF1	3776.501115	4777.341259	3448.208918	
3849.2655					
SNORD116-28	SNORD116-28		0	0	1.785711506
SNORD116-29	SNORD116-29		0	0	0.892855753
4.713771124					
ADAP1	ADAP1	899.6131687	1173.007898	1179.46245	
991.7774444					
LOC100240735	LOC100240735		28.11291152	26.40537261	
58.03562395	65.05004151				
AP4B1-AS1	AP4B1-AS1		1321.306842	1359.876689	

1198.212421	1421.673371			
KDM3A KDM3A	3355.978813	3025.446346	7390.167068	
5105.014127				
TRIM17 TRIM17	10.54234182	2.031182508	17.85711506	
19.79783872				
NCOA3 NCOA3	17038.76713	12434.89931	8799.986302	
11558.1668				
SNAPIN SNAPIN	3276.325564	4036.975235	3785.708393	
3365.632582				
ZC3H3 ZC3H3	2362.655939	2245.472263	1881.247072	
1599.853919				
DCTN6 DCTN6	2111.982478	1859.547586	1748.211564	
1834.599721				
DCUN1D4 DCUN1D4	1261.566905	1319.253039	1533.033328	
1614.937987				
CFHR3 CFHR3	0 0	0 1.885508449		
RITA1 RITA1	2203.349441	3019.352798	1869.639947	
2188.132556				
PTPN11 PTPN11	9481.079411	7072.577493	4576.77859	
6011.000937				
TSLP TSLP	10.54234182	0 0	0.942754225	
GOLGA2P10 GOLGA2P10		2.342742627	0 2.678567259	
0.942754225				
ACCS ACCS	383.0384195	309.7553325	220.535371	
306.395123				
ACP5 ACP5	707.5082733	425.5327354	537.4991633	
413.8691047				
KARS KARS	18125.7997	24247.24119	21064.25293	
19891.17139				
POLR2D POLR2D	4601.146519	5587.78308	4235.707692	
3657.886392				
SOCS3 SOCS3	3775.329743	1452.295493	3939.279582	
4779.763919				
CAPN5 CAPN5	87.85284851	59.91988399	268.7495817	
104.6457189				
ANXA3 ANXA3	18.74194102	205.1494333	20.53568232	
11.3130507				
SLAMF1 SLAMF1	6256.294185	7167.02748	3791.958383	
5908.240726				
CDKN1B CDKN1B	611.4558256	307.72415	436.6064632	
425.1821553				
BEST1 BEST1	115.96576	199.0558858	164.2854586	
119.7297865				
CA8 CA8	16.39919839	4.062365016	0 0	
XRCC6BP1 XRCC6BP1		781.3046661	923.1724499	
623.2133156	613.7330003			
XP06 XP06	5486.703232	2682.176502	4663.385598	
4433.773119				
PDLIM2 PDLIM2	1535.667792	2754.283481	1774.104381	
1977.898363				

SS18L2	SS18L2	3490.686514	3419.495752	3103.566598
3298.697032				
GPR15	GPR15	4496.894472	4928.664356	696.4274874
1316.084898				
GPR3	GPR3	35.1411394	46.71719769	36.60708587
49.02321969				
SLC39A6	SLC39A6	4855.334094	4733.670835	4116.065021
4757.137818				
GLUD1	GLUD1	10216.7006	12578.09768	8249.987158
9824.441776				
INSRR	INSRR	5.856856567	5.07795627	0.892855753
5.656525348				
ZBTB40	ZBTB40	2041.700199	1204.491227	2929.459726
2568.062508				
SH3BP5	SH3BP5	6393.344629	5976.75453	2080.353905
2726.445218				
MCM2	MCM2	27179.32859	34273.15805	12558.01617
17788.82947				
LOC100507250	LOC100507250		35.1411394	44.68601518
98.21413283	84.84788022			
LOC642361	LOC642361		235.445634	175.697287
238.3924861	332.7922413			
LOC493754	LOC493754		911.3268819	823.644507
1541.961885	1126.591299			
HYAL3	HYAL3	660.6534208	1333.471317	700.8917661
503.430756				
C6orf203	C6orf203		586.857028	715.9918341
966.9627805	838.1085058			
IGFALS	IGFALS	8.199599194	0	45.5356434
0	0			
ABC10	ABC10	3833.898309	5298.339572	2617.853068
2584.08933				
IQCC	IQCC	376.0101916	388.9714503	346.4280322
419.52563				
SNORD88A	SNORD88A		0	1.015591254
2.828262674				0
CTIF	CTIF	5.856856567	5.07795627	40.17850889
16.96957604				
LY75-CD302	LY75-CD302		2908.514971	2380.545899
4060.707965	4140.576555			
HBS1L	HBS1L	12265.42902	10576.36732	6274.990232
8718.59107				
ZNF697	ZNF697	0	6.093547524	14.28569205
0	0			7.542033798
NDUFS3	NDUFS3	3512.942569	4279.701545	2649.103019
2436.076917				
NDUFS2	NDUFS2	12637.9251	20199.09445	11160.69691
10255.28046				
CDC42EP2	CDC42EP2		46.85485254	61.9510665
175.8925833	48.08046546			
WNT11	WNT11	0	0	2.678567259
0	0			1.885508449
SKI	SKI	179.219811	35.54569389	74.99988325

49.02321969				
RBL2	RBL2	14932.6415	12806.60571	14608.01298
16638.66931				
GUCY1A2	GUCY1A2	2.342742627	0	2.678567259
GSTP1	GSTP1	15723.31714	31166.4644	14958.01243
10893.52507				
BCKDK	BCKDK	3414.547379	4511.25635	3153.56652
3095.06212				
L3MBTL3	L3MBTL3	447.4638417	225.4612584	630.3561616
661.8134658				
MAPK1IP1L	MAPK1IP1L		12607.46945	10964.32318
9528.556596	10679.51986			
RHOG	RHOG	10535.31359	13470.80239	6825.882232
7853.142692				
VWA5A	VWA5A	1516.925851	1462.451406	1392.854975
1286.859517				
PTK2B	PTK2B	8856.738501	9337.34599	6891.953558
7348.769182				
ING3	ING3	2513.762839	2331.797519	1604.461788
2042.005651				
HOXB6	HOXB6	21.08468364	9.140321286	15.1785478
24.51160984				
UFSP2	UFSP2	1567.294817	1764.082008	2024.996848
2573.719033				
TMEM74B	TMEM74B	14.05645576	7.109138778	17.85711506
0.942754225				
MIS18BP1	MIS18BP1		3797.585798	2711.628648
2217.853691	2954.59174			
CCDC92	CCDC92	1322.478213	1585.337948	2229.460815
2360.656579				
PROSER1	PROSER1	7315.213853	6696.808729	4558.921475
5314.305565				
MED21	MED21	1933.934039	1719.395993	2039.28254
2062.746244				
FAM8A1	FAM8A1	766.076839	460.0628381	1056.248356
773.0584643				
ATP5L	ATP5L	15038.06492	12956.91322	8797.307735
8955.222381				
CDH1	CDH1	201.4758659	222.4144846	70.53560449
284.7117759				
RFXANK	RFXANK	2926.085541	3462.150585	2199.10372
2154.193403				
CD7	CD7	3184.958601	2013.917457	1286.60514
2372.912384				
WIF1	WIF1	10.54234182	0	11.60712479
VPS26B	VPS26B	5065.009559	5241.466462	3624.994357
3356.20504				
LOC100129361	LOC100129361		1697.317033	2056.572289
2157.139499	1616.823495			
TARS2	TARS2	3730.817633	5820.353477	4699.099828

4154.717868					
MST01	MST01	1569.63756	2314.532468	2855.352698	
2625.570516					
C11orf71	C11orf71		475.5767533	493.5773495	
813.391591		545.8546961			
BEAN1	BEAN1	3.51411394	1.015591254	0	0
PLEKHG5	PLEKHG5	413.4940737	628.6509863	539.2848748	
502.4880018					
KCNA6	KCNA6	165.1633552	68.04461402	29.46423985	
42.42394011					
ITPR1	ITPR1	2714.067333	1926.576609	1727.675882	
2379.511663					
LINC01337	LINC01337		3.51411394	11.17150379	0
11.3130507					
MPZL1	MPZL1	1642.262581	2114.460991	1648.21172	
1506.521251					
VAPB	VAPB	2601.615687	2063.681428	2381.246293	
2256.953614					
CEP85	CEP85	3036.194444	3495.665096	3158.030798	
2436.076917					
PLCG1-AS1	PLCG1-AS1		602.0848551	384.9090853	
439.2850305		439.3234687			
RPN2	RPN2	20245.98178	28506.63091	20026.75454	
18830.57288					
RPL32	RPL32	9340.514854	9805.533558	14590.15586	
12637.62038					
ZNF814	ZNF814	336.183567	264.0537261	425.8921942	
530.7706285					
UBE2E4P	UBE2E4P	2.342742627	3.046773762	0	0.942754225
GALNT9	GALNT9	1.171371313	2.031182508	23.21424958	
1.885508449					
MAST4	MAST4	4165.396391	2969.588827	1486.604829	
1525.376336					
RALY-AS1	RALY-AS1		74.96776406	54.84192772	
65.17846997		36.76741476			
LINC01251	LINC01251		0	0	2.828262674
CRNKL1	CRNKL1	3467.259088	3250.907604	2893.745496	
3703.138595					
SF3B1	SF3B1	37131.29927	37456.02104	31426.7368	
34128.64569					
SEMA3E	SEMA3E	0	0.892855753	0.942754225	
SNORD103A	SNORD103A		10.54234182	0	9.821413283
5.656525348					
KATNBL1P6	KATNBL1P6		3.51411394	4.062365016	
5.357134518		1.885508449			
ABCA1	ABCA1	2.342742627	54.84192772	23.21424958	
5.656525348					
SYNGR4	SYNGR4	2.342742627	0	18.74997081	6.599279573
MAGEH1	MAGEH1	971.0668189	1214.64714	1276.783727	
1469.753836					

PCDHGB2	PCDHGB2	0	16.24946006	9.821413283	12.25580492	
TOX	TOX	785.9901513	1331.440134	830.3558503		
1250.092102						
NAGK	NAGK	2502.049126	3597.224222	4152.672107		
3221.391186						
KRI1	KRI1	3270.468707	2706.550692	4223.207712		
4705.286336						
PARP14	PARP14	11509.89453	9615.617993	12736.58732		
11341.33332						
ZNF551	ZNF551	774.2764382	727.1633379	1066.069769		
1339.653753						
ZNF721	ZNF721	1533.325049	1227.849826	2567.853146		
2382.339926						
CHRM5	CHRM5	1.171371313	3.046773762	10.71426904		0
DNTTIP2	DNTTIP2	6529.223701	8626.432112	9184.807131		
8650.712766						
ST7-AS2	ST7-AS2	166.3347265	314.8332888	128.5712284		
142.3558879						
LOC101927446	LOC101927446	0	0	0.892855753		0
MRPS26	MRPS26	2636.756827	3649.019376	2984.816782		
2929.137376						
SNAI1	SNAI1	2.342742627	3.046773762	33.03566286		
8.484788022						
SIX1	SIX1	3.51411394	0	0	18.85508449	
CYB5R3	CYB5R3	5361.366502	8496.436431	5829.455212		
5207.774337						
FAM65A	FAM65A	605.5989691	421.4703704	845.5343981		
828.6809635						
RAP1GAP	RAP1GAP	1.171371313	2.031182508	4.464278765		
1.885508449						
SLC35F4	SLC35F4	1.171371313	3.046773762	0	0	
CLNK	CLNK	28.11291152	41.63924142	37.49994163		
62.22177883						
MCTS1	MCTS1	4419.583966	4075.567703	2458.031888		
3355.262286						
MBOAT1	MBOAT1	925.3833376	594.1208836	524.9991828		
366.7313934						
VWA5B1	VWA5B1	0	0	25.89281684	5.656525348	
SERPINI1	SERPINI1	641.9632864	669.3554995	265.9012882	361.5504864	
NOSTRIN	NOSTRIN	70.28227881	38.59246765	0	40.53843166	
TMUB1	TMUB1	2123.696191	2774.595306	1825.890015		
1549.887945						
PTGES3L-AARSD1	PTGES3L-AARSD1	2033.925405	1760.122138	1518.097222	2330.781928	
HDAC11	HDAC11	120.6512453	180.7752432	590.1776528		
329.0212244						
USP44	USP44	236.6170053	41.63924142	285.713841		
317.7081737						
ASIC1	ASIC1	36.31251072	58.90429273	38.39279738		

29.22538097					
DOCK1 DOCK1	26.94154021	6.093547524	17.85711506		
49.02321969					
NAA60 NAA60	4792.080043	4968.272415	4609.814253		
3804.956051					
COL4A6 COL4A6	1.171371313	1.015591254	0	0.942754225	
GOT1 GOT1	2937.799254	4172.048872	2691.960095		
2252.239843					
ARPC4-TTLL3	ARPC4-TTLL3	7064.540391	7705.290844		
4039.279427	4525.220279				
PCCB PCCB	3475.458687	4604.690746	2050.889665		
2616.142974					
SNORD1A SNORD1A	7.028227881	9.140321286	21.42853807		
13.19855915					
AOAH AOAH	884.3853417	828.7224633	597.3204988		
583.5648651					
YWHAQ YWHAQ	39958.98962	29513.08184	20554.43229		
33534.71053					
CKAP4 CKAP4	294.0141997	599.1988399	1046.426943		
506.2590187					
PKIA PKIA	4291.904493	5736.059403	2743.745729		
2813.178607					
SUN2 SUN2	36212.94416	33299.20604	24714.24724		
23634.84841					
SPAG4 SPAG4	52.71170911	50.7795627	32.14280711		
68.8210584					
CBFA2T2 CBFA2T2	1656.319037	1418.780982	3043.745262		
2007.123744					
S100A9 S100A9	5.856856567	8.124730032	1.785711506		
2.828262674					
PITPNB PITPNB	3525.827654	4236.031121	3983.029514		
3975.594566					
ZNF45 ZNF45	1281.480217	1097.854146	1666.068835		
1792.175781					
TRAPPC10	TRAPPC10	5452.733464	3482.46241		
3771.422701	3744.619781				
GALR3 GALR3	17.5705697	11.17150379	0	3.771016899	
PBRM1 PBRM1	8176.171768	7033.985026	7109.810361		
6145.814791					
PAPPA2 PAPPA2	0	0	2.678567259	0	
NFE2L1 NFE2L1	2069.813111	1203.475636	1834.818572		
1430.158159					
CACFD1 CACFD1	71.45365012	81.24730032	100.8927001		
109.3594901					
ZRANB1 ZRANB1	1304.907643	1080.589094	1961.604089		
1526.31909					
RNF40 RNF40	5944.709416	4945.929407	4256.243375		
4122.664225					
MMP14 MMP14	0	1.015591254	0	0	
FXN FXN	1787.512624	2901.544213	1394.640686		

1089.823884					
CD1B	CD1B	1.171371313	0	0	0
LOC286367	LOC286367		2.342742627		7.109138778
22.32139383		30.16813519			
MIR4754	MIR4754	3.51411394	6.093547524		5.357134518
SPRED2	SPRED2	186.2480388	308.7397412		241.9639091
187.6080907					0
FBL	FBL	3858.497107	3801.358064		3354.459064
3182.738263					
TMEM56	TMEM56	4.685485254	0	0	9.427542247
TOP1MT	TOP1MT	357.2682506	319.911245		893.7486088
787.1997776					
TRIM37	TRIM37	2411.853534	2724.831335		2011.604012
2240.926792					
CLK1	CLK1	2216.234525	1659.476109		5876.776566
5031.479297					
CXCR3	CXCR3	8712.65983	10913.54362		3652.672886
3787.986475					
SLC4A10	SLC4A10	449.8065844	61.9510665		89.2855753
466.6633412					
PDCD6	PDCD6	6796.296361	8200.899376		7000.88196
7234.69592					
PEMT	PEMT	735.6211849	1032.856305		801.7844662
723.0924904					
BAX	BAX	7182.848894	6763.837752		5193.741915
3527.786309					
FBLN5	FBLN5	262.3871742	115.777403		783.9273512
545.8546961					
SLC38A1	SLC38A1	23829.20663	20259.01434		19523.1839
24587.97293					
PCNP	PCNP	8184.371367	7719.509122		10941.94725
9729.223599					
MECR	MECR	1301.393529	1667.600839		1097.31972
1306.657355					
PRSS36	PRSS36	51.54033779	76.16934405		54.46420093
39.59567744					
PKIG	PKIG	76.13913537	106.6370817		109.8212576
128.2145746					
DNM2	DNM2	19420.16501	19954.33696		12593.7304
12333.11077					
PPM1B	PPM1B	5662.408929	5906.678734		6293.740203
6231.605425					
PLXDC1	PLXDC1	14.05645576	8.124730032		63.39275847
96.16093092					
GYS2	GYS2	14.05645576	4.062365016		32.14280711
27.33987252					
CCDC87	CCDC87	4.685485254	0	0	15.0840676
RNF31	RNF31	3914.72293	3855.1844		5314.277442
4036.87359					
TAF6L	TAF6L	1379.875407	1559.948166		1533.033328

1318.91316				
CES4A	CES4A	275.2722587	439.751013	138.3926417
271.5132167				
GNAI2	GNAI2	50520.07338	60306.82426	24596.39028
28847.33652				
TRNT1	TRNT1	2148.294989	2100.242713	2069.639636
2259.781877				
ZNF574	ZNF574	2017.101402	3006.150112	4816.956788
3326.979659				
EXOSC9	EXOSC9	4473.467046	4654.454717	3274.994902
3716.337154				
LRRC2	LRRC2	40.99799597	23.35859884	39.28565313
24.51160984				
IRF2BPL	IRF2BPL	336.183567	192.9623383	457.1421456
417.6401215				
NPEPPS	NPEPPS	5992.73564	5290.214842	4299.993307
5615.986917				
CD70	CD70	3303.267104	8200.899376	1384.819273
1122.820282				
SPATA5	SPATA5	787.1615226	776.9273093	527.67775
626.9315594				
GPR124	GPR124	114.7943887	111.7150379	127.6783727
113.130507				
FAM126A	FAM126A	7598.68571	8395.892897	2133.92525
2903.683012				
ZSCAN21	ZSCAN21	545.8590321	689.5864615	911.6057238
763.630922				
TXNDC11	TXNDC11	9806.720636	9809.595923	5185.706214
5573.562977				
CLDN6	CLDN6	0	2.031182508	0
PCMTD1	PCMTD1	1286.165702	867.314931	2172.318047
2013.723024				
TPI1P2	TPI1P2	67.93953618	27.42096386	43.7499319
36.76741476				
POLE4	POLE4	1769.942055	3333.170496	2185.710883
1341.539262				
PREX1	PREX1	13149.81436	9200.24117	3841.958305
6369.247542				
DHRS4	DHRS4	961.6958484	1102.932102	824.10586
1100.19418				
CDK5R1	CDK5R1	79.65324932	116.7929942	729.4631502
574.1373229				
LCMT1-AS2	LCMT1-AS2		7.028227881	0
14.14131337				0
FANCI	FANCI	16319.54514	14792.08662	6468.739931
9958.312876				
POLR3B	POLR3B	1062.433781	1273.551433	1059.819779
1247.263839				
SPRY2	SPRY2	21.08468364	1.015591254	33.92851862
20.74059294				

FAM174B	FAM174B	811.7603202	681.4617315	308.0352348
357.3038512				
RBPMS2	RBPMS2	1.171371313	0	0
PCNXL4	PCNXL4	2231.462352	1965.169077	2132.139538
2475.672594				
ZDHHC6	ZDHHC6	5170.432978	4342.668202	4254.457663
4983.398832				
CDK18	CDK18	2.342742627	0	88.39271955
PARP12	PARP12	6396.858743	5597.938992	20.74059294
9055.154328			7516.952585	
EML3	EML3	3020.966617	1706.193307	1682.140239
1993.925185				
SLC29A4	SLC29A4	1.171371313	0	0
NPHP3	NPHP3	445.1210991	188.8999733	8.484788022
670.2982538				710.7131794
SIK2	SIK2	153.4496421	41.63924142	41.07136464
41.48118589				
TMEM259	TMEM259	8945.762721	7724.587078	7785.702166
7832.402099				
ZNF436	ZNF436	746.1635267	632.7133513	1319.640803
1070.968799				
COX7C	COX7C	10883.21087	10581.44528	9533.913731
9502.019831				
FBN2	FBN2	0	0	2.828262674
CLDN2	CLDN2	3.51411394	0	0
FAM131A	FAM131A	161.6492413	45.70160643	133.928363
102.7602105				
TCTN2	TCTN2	134.707701	108.6682642	104.4641231
115.9587696				
DNM3	DNM3	58.56856567	66.01343151	33.03566286
107.4739816				
MIR2110	MIR2110	114.7943887	141.1671843	254.4638896
200.8066499				
MIR2052	MIR2052	1.171371313	0	0
MIR1914	MIR1914	2.342742627	12.18709505	2.678567259
1.885508449				
MIR1909	MIR1909	22.25605496	10.15591254	9.821413283
9.427542247				
MIR320D1	MIR320D1	0.942754225	1.171371313	0
				0.892855753
MIR103B2	MIR103B2	36.60708587	15.22782708	9.140321286
43.36669434				
FBLIM1	FBLIM1	2.342742627	0	1.785711506
C21orf91	C21orf91	3340.173372	3713.247064	1.885508449
4040.644607			3446.916716	
GTF2IRD2	GTF2IRD2	888.3914743	159.3064986	267.1004998
490.2321969				
SBK1	SBK1	548.2017747	277.2564124	562.4991244
513.8010525				
INTS1	INTS1	6908.748007	4091.817163	3541.065917

3666.37118				
S100A11	S100A11	13757.75608	17074.12016	10212.4841
9979.053469				
HDAC1	HDAC1	22790.20027	23921.2364	12859.80141
15503.59323				
SNAPC4	SNAPC4	803.560721	465.1407944	349.1065994
520.400332				
EIF5	EIF5	11176.0537	13291.04274	18518.72117
15142.51836				
SNAPC2	SNAPC2	1171.371313	1439.092807	1286.60514
1089.823884				
CALM3	CALM3	23202.52298	24057.32563	11554.4463
10016.76364				
FCF1	FCF1	2143.609504	1246.130469	2070.532491
1560.258242				
CCP110	CCP110	4949.043799	4132.440813	2465.174734
3209.135381				
NEU3	NEU3	313.927512	283.3499599	225.8925055
277.1697421				
CPLX2	CPLX2	4.685485254	0	0
AAAS	AAAS	3721.446663	5657.858876	3520.530234
3514.58775				
PNMA2	PNMA2	7.028227881	3.046773762	30.3570956
18.85508449				
PTGES	PTGES	2.342742627	2.031182508	0
GOSR1	GOSR1	3134.589635	3068.101178	0.942754225
3287.383982				3570.530156
ITM2A	ITM2A	27263.66732	21892.08507	15074.08368
19143.56729				
SNF8	SNF8	4693.684853	6310.884053	3488.387427
3612.634189				
COL2A1	COL2A1	0	5.357134518	1.885508449
CD48	CD48	5308.654793	6973.04955	6928.560644
6049.65386				
TBC1D2	TBC1D2	681.7381044	791.1455869	864.2843689
733.4627868				
AGPAT4	AGPAT4	126.5081019	95.46557788	66.07132572
60.33627038				
LZTFL1	LZTFL1	206.1613512	313.8176975	624.1061714
426.1249096				
ST7-AS1	ST7-AS1	158.1351273	244.7574922	106.2498346
84.84788022				
CENPBD1P1	CENPBD1P1		1054.234182	1049.105765
1178.569594	927.6701571			
PKD1	PKD1	611.4558256	243.741901	599.999066
656.1569404				
ARAF	ARAF	6318.376865	8127.776806	6789.275146
5536.795562				
SHROOM2	SHROOM2	9.370970508	0	0
PPFIA1	PPFIA1	2160.008702	2032.198099	2226.782248

2140.05209					
CYP26A1	CYP26A1	0	7.109138778	21.42853807	0
TMC4	TMC4	50.36896648	16.24946006	12.49998054	
28.28262674					
DAP	DAP	4944.358314	7484.907542	5017.849332	
4605.354388					
CREBBP	CREBBP	1898.792899	863.2525659	1736.60444	
1560.258242					
SLC25A36	SLC25A36		1481.784712	1428.936894	
2375.889159	2341.801494				
OR8H1	OR8H1	0	0	0.942754225	
GPM6B	GPM6B	32.79839678	25.38978135	108.0355461	
96.16093092					
PGM2L1	PGM2L1	1035.492241	1414.718617	1567.854702	
1091.709392					
CDCP2	CDCP2	1.171371313	1.015591254	0	5.656525348
PDCL3	PDCL3	2796.063325	3924.244606	2465.174734	
2252.239843					
GPR19	GPR19	1154.972115	684.5085052	166.0711701	
811.7113875					
DYNC1LI2	DYNC1LI2		2304.087374	2105.32067	
2420.531946	2478.500857				
LARP7	LARP7	2156.494588	2070.790567	2280.353593	
2325.774672					
HLA-DRB3	HLA-DRB3		5.856856567	10.15591254	
2.678567259	1.885508449				
ACKR4	ACKR4	4.685485254	1.015591254	0	12.25580492
RNF169	RNF169	783.6474087	645.9160376	1167.855325	
979.5216395					
KDM6B	KDM6B	172.1915831	97.49676039	399.1065216	
395.0140202					
SEZ6	SEZ6	22.25605496	12.18709505	56.24991244	
25.45436407					
HTR1E	HTR1E	0	0	0.892855753	0.942754225
GALNT4	GALNT4	1218.226166	1598.540634	978.5699053	
1089.823884					
IK	IK	8460.814997	10299.11091	11464.26787	
9744.307667					
TMEM97	TMEM97	2197.492584	2826.39046	1944.63983	
2207.930394					
TM9SF4	TM9SF4	4184.138332	4255.327354	4591.957138	
4375.322357					
MLEC	MLEC	9934.400109	8928.062714	6816.953674	
7325.200326					
PHYHIP	PHYHIP	0	2.031182508	71.42846024	0
SNX19	SNX19	4643.315887	3599.255404	4668.742733	
5539.623824					
PHACTR2	PHACTR2	3201.3578	3058.960857	1940.175551	
3138.428814					
PRKRA	PRKRA	2439.966446	2505.463624	3399.994708	

3140.314323				
AKR7A2 AKR7A2	3518.799426	4784.450398	2840.17415	
3060.180213				
TNFRSF10C	TNFRSF10C	0	0	25.89281684
2.828262674				
FADD FADD	3200.186428	3568.787667	2999.102474	
2581.261067				
FAM168A FAM168A	475.5767533	191.946747	257.1424569	
278.1124963				
FOXD2 FOXD2	44.51210991	42.65483267	59.82133545	
57.50800771				
GOSR2 GOSR2	4614.031604	6227.60557	4841.063893	
4673.232692				
ARID1A ARID1A	3327.865902	1922.514244	2621.424491	
2436.076917				
C11orf24	C11orf24	1253.367305	1753.926096	
2182.13946	1220.866721			
ITGB1BP1	ITGB1BP1	6852.522184	8251.678939	
4064.279388	4924.005316			
MY01E MY01E	3092.420268	4366.026801	399.1065216	
435.5524518				
NUP133 NUP133	4057.63023	4598.597198	3303.566286	
3975.594566				
CISD1 CISD1	2444.651931	2467.886747	1574.104693	
1855.340314				
LOC101060351	LOC101060351	69.11090749	30.46773762	
64.28561422	82.01961755			
ARMCX4 ARMCX4	31.62702546	16.24946006	58.03562395	
56.56525348				
C11orf45	C11orf45	8.199599194	0	30.3570956
2.828262674				
ISG20L2 ISG20L2	2400.139821	3240.751692	2501.78182	
2405.908781				
ARPC5L ARPC5L	5157.547893	6035.658823	3965.172399	
4489.395618				
FAM47E-STBD1	FAM47E-STBD1	215.5323217	273.1940473	
152.6783338	183.8370738			
DNAI1 DNAI1	0	0	1.785711506	0
TFIP11 TFIP11	6591.306381	8069.888105	6887.489279	
7042.374059				
CCNDBP1 CCNDBP1	7923.155564	9798.424419	8224.094341	
8217.045823				
INTS6 INTS6	4539.06384	3473.322089	3886.601093	
3988.793125				
DDX41 DDX41	4130.255251	5578.642758	4182.136347	
4332.898417				
POLK POLK	2211.54904	2036.260464	2129.460971	
2292.778275				
KLRK1 KLRK1	7.028227881	847.0031059	2495.53183	
84.84788022				

TSPYL5	TSPYL5	275.2722587	177.7284695	279.4638507
130.100083				
CARKD	CARKD	2472.764843	2618.194253	2827.67417
2506.783484				
FAM86EP	FAM86EP	97.22381902	172.6505132	332.1423401
230.9747851				
FAM86JP	FAM86JP	45.68348122	46.71719769	115.1783921
94.27542247				
LRRC10B	LRRC10B	0	2.678567259	0
ITIH3	ITIH3	0	8.035701777	0
PIGV	PIGV	605.5989691	1280.660571	1202.676699
1037.972401				
ACADS	ACADS	1834.367477	2240.394306	2001.782598
1929.817898				
MFAP4	MFAP4	38.65525334	23.35859884	32.14280711
34.88190631				
DMXL1	DMXL1	1268.595132	570.7622848	989.2841744
1019.117317				
GPR113	GPR113	234.2742627	159.4478269	152.6783338
98.04643937				
CMKLR1	CMKLR1	14.05645576	0	1.785711506
APCDD1L	APCDD1L	0	10.71426904	0
PARP2	PARP2	2108.468364	2376.483534	2253.567921
2208.873149				
IL18RAP	IL18RAP	743.820784	556.5440072	752.6773998
1122.820282				
CAV2	CAV2	0	2.031182508	14.28569205
TUBB2A	TUBB2A	201.4758659	270.1472736	0.942754225
477.9763919				
KCNK15	KCNK15	3.51411394	4.062365016	25.89281684
73.53482953				
APPL1	APPL1	2975.283136	2056.572289	2001.782598
2470.958823				
CD8A	CD8A	121.8226166	1583.306765	2866.959823
124.4435577				
HSPA14	HSPA14	4995.898652	5354.197091	4259.814798
4423.402822				
ZNF292	ZNF292	5250.086227	2886.310344	4491.957293
4838.214681				
15-Sep	15-Sep	8628.321095	8575.652549	10030.34153
9317.240003				
TOX4	TOX4	6054.818319	5456.771808	5430.34869
4594.041337				
S100A16	S100A16	3.51411394	0	0
CLEC4D	CLEC4D	2.342742627	6.093547524	3.771016899
GPKOW	GPKOW	2450.508788	3585.037127	0
2206.98764				0
FRMD8	FRMD8	6669.788259	6897.895798	2216.067979
4987.169849				
AGGF1	AGGF1	2955.369824	2816.234547	5060.706408
				3078.566636

3399.571734					
PPIAL4E	PPIAL4E	0	0	0	0.942754225
MIR6501	MIR6501	263.5585455		207.1806158	265.1781587
285.6545301					
MIR6133	MIR6133	0	1.015591254	0	0
MIR6132	MIR6132	0	0	3.571423012	0
MIR378J	MIR378J	3.51411394		1.015591254	0 1.885508449
MIR6126	MIR6126	309.2420268		331.0827488	291.9638312
265.8566914					
MIR6125	MIR6125	222.5605496		311.786515	446.4278765
312.9944026					
MIR6124	MIR6124	3.51411394		4.062365016	0 5.656525348
MIR6090	MIR6090	35.1411394		26.40537261	8.035701777
16.02682182					
C2orf71	C2orf71	1.171371313		0 3.571423012	0
ATP6V1C2	ATP6V1C2			8511.183964	10266.61199
5805.348106		8125.598663			
HNRNPUL2	HNRNPUL2			1142.087031	849.0342884
882.141484		601.4771954			
DPYSL5	DPYSL5	4.685485254		2.031182508	0 12.25580492
LINC00852	LINC00852			125.3367305	88.3564391
58.9284797		67.87830418			
ERBB2IP	ERBB2IP	5696.378697		3218.408684	5466.955776
5369.928064					
MIR93	MIR93	28.11291152		31.48332888	33.03566286
29.22538097					
SERHL	SERHL	1769.942055		1179.101446	1037.498385
2605.772677					
MT1DP	MT1DP	7.028227881		1.015591254	13.3928363
12.25580492					
C3orf17	C3orf17	1682.089206		1673.694387	2941.959706
2706.647379					
RUVBL2	RUVBL2	7903.242252		11976.86766	5799.990972
6053.424877					
UCA1	UCA1	2.342742627		6.093547524	8.035701777
25.45436407					
PPWD1	PPWD1	3949.864069		3865.340313	3741.958461
4051.014904					
ERLIN2	ERLIN2	350.2400227		405.2209104	518.7491925
427.0676638					
TARP	TARP	179.219811		309.7553325	192.8568427
133.8710999					
SEMA6B	SEMA6B	0	0	0.892855753	0.942754225
ABCC9	ABCC9	0	1.015591254	4.464278765	2.828262674
GTSF1L	GTSF1L	12.88508445		21.32741634	17.85711506
15.0840676					
PKHD1	PKHD1	0	0	8.92855753	2.828262674
FAM151A	FAM151A	31.62702546		34.53010264	0 44.30944856
MTFR2	MTFR2	1864.823131		2024.073369	635.7132962
971.0368515					

C14orf93	C14orf93	379.5243056	499.670897
418.7493482	412.9263504		
FHDC1 FHDC1	1.171371313	0 0	0
C17orf58	C17orf58	700.4800454	705.8359216
442.8564535	530.7706285		
BCL2 BCL2	1417.359289	1388.313244	2397.317697
1871.367136			
FAAH FAAH	60.9113083	55.85751897	210.7139577
158.3827098			
IGHMBP2 IGHMBP2	1397.445977	1594.478269	1172.319604
973.8651141			
IFNB1 IFNB1	1.171371313	0 7.142846024	4.713771124
IDH2 IDH2	16797.46464	20015.27243	12666.94457
13950.87702			
MAP2K6 MAP2K6	270.5867734	159.4478269	51.78563368
148.9551675			
DCTN2 DCTN2	8029.750354	10625.1157	6286.597357
6620.96292			
VMP1 VMP1	5575.727452	5815.275521	4483.921592
4783.534936			
CLSTN1 CLSTN1	4584.747321	2594.835654	2768.74569
2904.625766			
ENDOD1 ENDOD1	1621.177898	1078.557912	1080.355461
1970.35633			
PLEKHA6 PLEKHA6	0 4.062365016	33.03566286	38.65292321
PPP6R1 PPP6R1	20354.91931	19318.57683	13577.65744
13756.66965			
GOLPH3L GOLPH3L	1858.966274	2091.102392	1756.247266
1987.325906			
YLPM1 YLPM1	4211.079872	2977.713557	3192.852173
3367.518091			
MRPS10 MRPS10	5076.723273	5410.05461	4000.886629
4469.597779			
EMC9 EMC9	1376.361293	1358.861098	1506.247655
1319.855915			
RAB26 RAB26	90.19559114	13.2026863	74.1070275
66.93554995			
CCDC109B	CCDC109B	9005.502658	8644.712754
8551.772403	8232.12989		
C1orf198	C1orf198	967.5527049	758.6466668
1391.962119	1237.836297		
GPR128 GPR128	0 0	0 0.942754225	
CC2D1B CC2D1B	1999.530832	1552.839027	1837.49714
2009.952007			
ST8SIA5 ST8SIA5	9.370970508	35.54569389	0 7.542033798
FLJ41278	FLJ41278	36.31251072	3.046773762
1.785711506	9.427542247		
PPM1D PPM1D	2019.444144	2380.545899	2811.602766
1687.530062			
NUDT15 NUDT15	2033.5006	2328.750746	1887.497062

1517.834302					
KIAA1549L	KIAA1549L		10.54234182	25.38978135	
11.60712479	0				
VPS13D VPS13D	2513.762839		1392.375609	2757.138565	
2603.887169					
AKIRIN2 AKIRIN2	3039.708558		3434.729621	2674.10298	
2832.976445					
ZEB1-AS1	ZEB1-AS1		167.5060978	170.6193307	
182.1425736	198.9211414				
LINC00599	LINC00599		30.45565415	41.63924142	
42.85707615	0				
FLJ37453	FLJ37453		408.8085884	463.1096118	
741.070275	577.9083398				
SEPT7P2 SEPT7P2	481.4336098		355.4569389	836.6058406	
716.4932108					
ARL3 ARL3	1300.222158		1259.333155	856.2486672	
844.7077853					
ABCB7 ABCB7	1328.335069		1163.867577	1107.141134	
1121.877527					
RASL10A RASL10A	1.171371313		3.046773762	0 0	
FLII FLII	19020.72739		22265.82265	13739.26433	
15594.09763					
ASAP3 ASAP3	10.54234182		4.062365016	78.57130627	
33.93915209					
FHOD3 FHOD3	84.33873457		89.37203036	104.4641231	
65.99279573					
SH2D7 SH2D7	3.51411394		2.031182508	0.892855753	
4.713771124					
PNMA3 PNMA3	38.65525334		35.54569389	10.71426904	
16.02682182					
PGAM5 PGAM5	5335.596333		7058.359216	3999.100918	
3846.437237					
TKTL1 TKTL1	106.5947895		100.5435342	9.821413283	
31.11088942					
ANKRD37 ANKRD37	265.9012882		298.5838287	352.6780224	
442.1517314					
METTL2A METTL2A	1082.347094		1473.62291	1084.81974	
1129.419561					
TMC03 TMC03	2029.986486		2212.973343	1212.498113	
1906.249042					
CPPED1 CPPED1	2113.153849		2101.258305	1124.998249	
1271.775449					
CFAP44 CFAP44	85.51010588		11.17150379	130.3569399	
102.7602105					
CHDH CHDH	277.6150013		1368.001419	76.78559476	
163.0964809					
LAPTM4B LAPTM4B	2457.537016		5759.418002	1928.568427	
1910.020059					
MUC4 MUC4	2.342742627		7.109138778	0 0	
KIAA1024	KIAA1024		33.96976809	4.062365016	0

		2.828262674			
THSD7A	THSD7A	1.171371313	0	8.92855753	0
CEP128	CEP128	1820.311021	1292.847666	337.4994746	
780.6004981					
SLTM	SLTM	4837.763525	4320.325195	4783.921125	
4824.073368					
PPP1R16A	PPP1R16A		586.857028	542.3257297	
624.1061714	553.3967299				
KIAA0100	KIAA0100		13578.53627	7240.15005	
7096.417525	8454.619887				
PARP8	PARP8	2018.272773	1239.02133	4013.38661	
4066.098971					
PGAM4	PGAM4	4.685485254	15.23386881	9.821413283	
7.542033798					
C19orf73	C19orf73		55.05445173	26.40537261	
116.0712479	95.2181767				
IKZF4	IKZF4	924.2119663	1967.200259	1218.748103	
937.0976994					
GSG2	GSG2	1202.998339	1651.351379	398.2136659	
528.8851201					
PN01	PN01	2574.674147	3295.593619	3416.066111	
3117.688221					
NXN	NXN	15.22782708	19.29623383	13.3928363	
21.68334717					
NEDD4	NEDD4	941.782536	858.1746097	516.0706253	
704.2374059					
RHBDF1	RHBDF1	8.199599194	0	0	11.3130507
CDHR3	CDHR3	11.71371313	11.17150379	0	3.771016899
TBC1D32	TBC1D32	290.5000857	223.4300759	573.2133934	
404.4415624					
ST6GALNAC3	ST6GALNAC3		3.51411394	19.29623383	
11.60712479	22.62610139				
LOC101928445	LOC101928445		185.0766675	212.2585721	
250.8924666	204.5776668				
LOC102724814	LOC102724814		4596.461034	5117.564329	
3570.530156	4857.069766				
LOC283575	LOC283575		0	1.015591254	49.10706642
0.942754225					
MIR135B	MIR135B	3.51411394	0	0	0
MIR548H2	MIR548H2		0	0	1.785711506
PATZ1	PATZ1	872.6716285	619.510665	1058.034067	0
911.6433353					
KIAA0020	KIAA0020		3070.164213	4389.3854	
4103.565041	4267.848375				
PRG4	PRG4	379.5243056	347.3322089	708.0346122	
587.335882					
PDE6D	PDE6D	2342.742627	2907.63776	1922.318436	
2209.815903					
PAWR	PAWR	87.85284851	47.73278894	110.7141134	
95.2181767					

PAPPA	PAPPA	11.71371313	1.015591254	0.892855753
6.599279573				
NDEL1	NDEL1	3023.30936	3336.21727	4225.886279
3312.838346				
TMEM40	TMEM40	1.171371313	0	0
TMEM140	TMEM140	2832.375836	2887.325935	6152.668994
5735.716703				
CEP104	CEP104	2429.424104	3020.36839	2922.31688
2931.965639				
ECE2	ECE2	575.1433149	1025.747167	688.3917856
652.3859235				
KIAA0408	KIAA0408		133.5363297	169.6037394
126.7855169		133.8710999		
ANKRD33B	ANKRD33B		303.3851702	273.1940473
386.6065411		221.5472428		
CDK5	CDK5	1584.865387	2316.56365	883.0343397
905.98681				
NPEPL1	NPEPL1	892.5849409	1289.800893	760.7131016
897.5020219				
NPC1	NPC1	3746.04546	2431.325462	2515.174656
2545.436407				
TXNL1	TXNL1	3667.563582	4325.403151	3970.529534
3586.237071				
LINC00092	LINC00092		17.5705697	31.48332888
25.89281684		29.22538097		
SNHG12	SNHG12	185.0766675	104.6058992	359.8208685
326.1929618				
DBIL5P	DBIL5P	56.22582305	24.3741901	24.99996108
38.65292321				
EFTUD2	EFTUD2	15860.36758	21513.26953	13109.80102
13259.83817				
RNASEH2A	RNASEH2A		3825.69871	4830.152004
2639.281606		3004.557714		
CYTH2	CYTH2	1905.821127	2342.969023	3015.173878
2284.293486				
HLA-D0A	HLA-D0A	15.22782708	9.140321286	12.49998054
6.599279573				
KLHL11	KLHL11	338.5263096	238.6639447	246.4281878
354.4755885				
IHH	IHH	0	4.062365016	0
TRIP11	TRIP11	2137.752647	2208.910978	2800.888497
3333.578939				
DPYSL4	DPYSL4	12.88508445	14.21827756	80.35701777
34.88190631				
HSPB1	HSPB1	1072.976123	1087.698233	2123.210981
1604.56769				
FGF11	FGF11	11.71371313	14.21827756	7.142846024
2.828262674				
NLRP1	NLRP1	5715.120638	3611.442499	4683.028425
5252.083786				

MAML3	MAML3	14.05645576	30.46773762	36.60708587	
115.9587696					
CTAGE6	CTAGE6	0	1.015591254	0	4.713771124
GBE1	GBE1	1505.212138	1749.863731	1228.569516	
1487.666167					
IL23R	IL23R	624.3409101	74.13816155	158.0354683	
859.7918529					
MRPL30	MRPL30	1761.742455	2022.042187	1322.31937	
1463.154557					
ERGIC1	ERGIC1	563.4296018	381.8623115	425.8921942	
526.9996116					
ZNF442	ZNF442	24.59879758	21.32741634	602.6776333	
241.3450815					
PGAP1	PGAP1	501.3469222	362.5660777	804.4630335	
438.3807145					
CCDC130	CCDC130	1550.895619	1761.035235	3032.138137	
2430.420391					
NOL9	NOL9	2527.819294	3030.524302	2216.067979	
2340.85874					
SDCBP2-AS1	SDCBP2-AS1		323.2984825	179.759652	
289.285264	420.4683842				
PCOLCE-AS1	PCOLCE-AS1		25.7701689	34.53010264	
36.60708587	31.11088942				
LRP4-AS1	LRP4-AS1		3.51411394	12.18709505	
3.571423012	3.771016899				
SORD	SORD	719.2219865	625.6042125	416.0707809	
646.7293982					
XIST	XIST	0	636.7757163	1530.354761	0
NSMCE4A	NSMCE4A	3312.638074	4218.766069	3549.101618	
3257.215846					
METTL1	METTL1	907.8127679	1487.841187	1319.640803	
1297.229813					
BHMT2	BHMT2	0	0	1.785711506	0
VEZT	VEZT	2439.966446	2122.585721	2226.782248	
2802.80831					
RNF111	RNF111	3088.906154	2324.688381	3134.816549	
2650.082126					
AMN1	AMN1	292.8428284	301.6306025	408.0350791	
488.3466884					
TMEM169	TMEM169	149.9355281	264.0537261	124.1069497	
148.0124133					
PROSER2	PROSER2	30.45565415	46.71719769	188.3925639	
98.04643937					
MCM9	MCM9	2620.357628	1892.046506	1479.461983	
2036.349125					
RGPD3	RGPD3	25.7701689	18.28064257	25.89281684	
32.99639787					
AKAP6	AKAP6	21.08468364	4.062365016	26.78567259	0
C6orf120	C6orf120		1853.109418	1866.656725	
1968.746935	1842.141755				

CDC20B	CDC20B	2.342742627	3.046773762	11.60712479
1.885508449				
ZSCAN12	ZSCAN12	322.1271112	234.6015797	818.7487255
580.7366024				
DCP1A	DCP1A	3440.317548	4811.871362	6607.132572
5239.827981				
IL26	IL26	297.5283136	58.90429273	25.89281684
198.9211414				
RPS27A	RPS27A	22258.3977	22379.56887	26837.45822
24240.09663				
ZMYM5	ZMYM5	1027.292642	1069.417591	1730.354449
1179.385535				
TRIM38	TRIM38	3849.126136	4636.174075	5907.133662
5197.404041				
FST	FST	7.028227881	2.031182508	56.24991244
28.28262674				
RABGGTA	RABGGTA	2498.535012	3340.279635	2354.460621
2373.855138				
MDGA2	MDGA2	0	0	0.942754225
LRR58	LRR58	5002.92688	3120.911924	2894.638351
3801.185034				
C1QBP	C1QBP	13564.47981	19539.97573	13318.72927
14314.78015				
TAF4	TAF4	217.8750643	110.6994467	151.785478
174.4095316				
BUB1B	BUB1B	5825.229542	6193.075467	2228.56796
3453.308725				
BCL2L2-PABPN1	BCL2L2-PABPN1	5549.991361	7795.476091	5299.355164
5457.604207				
IP6K1	IP6K1	3925.265271	3099.584507	4410.70742
3648.45885				
OR2A20P	OR2A20P	0	4.062365016	3.571423012
PAX5	PAX5	1.171371313	10.15591254	0.892855753
9.427542247				
RSF1	RSF1	958.1817344	871.377296	2207.139421
1668.674978				
ZSWIM3	ZSWIM3	439.2642425	471.2343419	720.5345927
591.1068989				
TMC2	TMC2	0	2.031182508	0
ZNF280D	ZNF280D	604.4275977	360.5348952	680.3560838
613.7330003				
ST8SIA6	ST8SIA6	56.22582305	160.4634181	8.92855753
12.25580492				
SAR1B	SAR1B	4699.54171	5071.862723	4374.99319
3899.231473				
TEN1	TEN1	579.8288002	1072.464364	577.6776722
304.5096146				
REC8	REC8	461.5202975	358.5037127	467.8564146
341.2770293				
FXVD4	FXVD4	1.171371313	0	0
				7.542033798

TLDC2 TLDC2	2789.035097	3767.843553	2135.710961	
2126.853531				
CDC6 CDC6	4768.652617	6339.320608	2575.888847	
3220.448432				
MPHOSPH8 MPHOSPH8	3070.530935	1795.712224	1830.09544	
3006.443223				
MARK4 MARK4	94.88107639	57.88870148	40.17850889	
30.16813519				
STK31 STK31	0 0	6.249990271	13.19855915	
SEPSECS SEPSECS	1113.974119	802.3170907	615.1776138	
930.4984198				
RAB8B RAB8B	8904.764725	6697.82432	8518.73674	
9698.11271				
CNPY4 CNPY4	828.1595186	703.8047391	470.5349818	
907.8723184				
EGLN3 EGLN3	288.1573431	123.902133	172.3211603	
300.7385977				
DIAPH2 DIAPH2	616.1413109	581.9337886	397.3208101	
631.6453306				
CGB2 CGB2	1.171371313	0 0	0	
PARP16 PARP16	1095.232178	1226.834235	1940.175551	
1523.490827				
FNDC4 FNDC4	5.856856567	4.062365016	0 0	
WHSC1L1 WHSC1L1	7581.115141	8738.14715	7760.702205	
6948.098636				
STPG1 STPG1	475.5767533	570.7622848	437.499319	
427.0676638				
USH2A USH2A	0 0	4.464278765	0.942754225	
MT1L MT1L	332.669453	211.2429808	114.2855364	
185.7225823				
SLC04A1-AS1 SLC04A1-AS1	553.5705669	811.7603202	1687.912664	
532.656137				
DDX6 DDX6	6225.838531	5670.045971	7176.774543	
6628.504954				
TDRP TDRP	0 0	13.3928363	0	
NMB NMB	213.1895791	166.5569657	226.7853613	
186.6653365				
TMEM43 TMEM43	4263.791581	6144.327087	6521.41842	
5406.695479				
RPS6KA2 RPS6KA2	209.6754651	233.5859884	1294.640842	
677.8402876				
ERLIN1 ERLIN1	1776.970283	2128.679268	2338.389217	
2510.5545				
LOC101929380 LOC101929380	0 0	5.357134518	0	
RASSF8-AS1 RASSF8-AS1	3.51411394	1.015591254	0	
0				
TVP23C-CDRT4 TVP23C-CDRT4	459.8207128	363.1251072	453.9692906	
346.9335547				
PET100 PET100	2882.744802	2880.216796	2669.638702	
2096.685396				

CCNB3	CCNB3	35.1411394	47.73278894	107.1426904
41.48118589				
C8orf33	C8orf33	2593.416088	3820.654298	3799.101229
2988.530892				
ANKRD36	ANKRD36	1919.877583	1505.106239	1774.997237
2358.77107				
MY01B	MY01B	63.25405093	107.6526729	520.534904
268.684954				
BCAR3	BCAR3	18.74194102	85.30966534	52.67848943
56.56525348				
UNC13D	UNC13D	10011.71062	10630.19366	3700.887096
5862.045769				
MOB3B	MOB3B	16.39919839	18.28064257	72.321316
16.96957604				
MY018B	MY018B	121.8226166	56.87311023	6.249990271
20.74059294				
PAQR6	PAQR6	58.56856567	30.46773762	38.39279738
26.39711829				
ITGBL1	ITGBL1	0	1.015591254	0
ZNF416	ZNF416	427.5505294	543.3413209	742.8559865
817.3679128				
C2orf42	C2orf42	1521.611336	1659.476109	1808.0329
1922.275864				
HRASLS2	HRASLS2	15.22782708	11.17150379	8.035701777
6.599279573				
IMPA2	IMPA2	598.5707412	824.6600983	511.6063465
486.46118				
SLC5A4	SLC5A4	0	0	2.678567259
IQGAP3	IQGAP3	373.667449	171.6349219	87.4998638
165.9247436				
GFRA1	GFRA1	4.685485254	0	2.678567259
SOX13	SOX13	1.171371313	0	27.67852834
ITPKB	ITPKB	2115.496592	1858.531995	3603.565819
4469.597779				
CDC34	CDC34	2976.454508	4219.781661	2790.174228
2434.191408				
GNPNAT1	GNPNAT1	2190.464356	2133.757225	1177.676738
1663.961207				
KCNG3	KCNG3	4.685485254	3.046773762	0
TRIM44	TRIM44	2047.557056	2339.922249	0.942754225
6389.045381				
CBLN3	CBLN3	90.19559114	8.124730032	35.71423012
62.22177883				
POLR2I	POLR2I	2376.712395	3128.021062	3008.923888
2239.041284				
HAPLN3	HAPLN3	4330.559746	5093.190139	7008.917661
5352.015734				
HOXA3	HOXA3	1.171371313	0	0.892855753
BBS5	BBS5	106.5947895	134.0580455	180.3568621
151.7834302				

B3GNT8	B3GNT8	132.3649584	70.07579653	47.32135491
103.7029647				
DRAXIN	DRAXIN	3.51411394	2.031182508	27.67852834
7.542033798				
RCOR2	RCOR2	0	3.571423012	0
AP2M1	AP2M1	18952.78785	25740.16033	16761.58105
16134.2958				
C12orf43	C12orf43		1466.556884	1943.84166
1581.247539	1402.818286			
SRRM2-AS1	SRRM2-AS1		48.02622385	51.79515396
33.92851862	38.65292321			
LINC00310	LINC00310		8.199599194	7.109138778
6.249990271	7.542033798			
NPIP6	NPIP6	0	6.093547524	15.1785478
PTK2	PTK2	69.11090749	73.12257029	0.942754225
724.0352446				
ULK2	ULK2	1116.316862	1032.856305	1050.891221
1021.002825				
CCT6B	CCT6B	57.39719436	40.62365016	98.21413283
76.3630922				
GIMAP1-GIMAP5	GIMAP1-GIMAP5		9758.694412	11092.28768
15224.9763	14377.00193			
PDXK	PDXK	5856.856567	6952.737725	4220.529145
3917.143804				
ARF4	ARF4	7817.732146	9186.022893	9817.84186
8572.464165				
MAPKAPK5	MAPKAPK5		2582.873746	3373.794146
2923.209735	2799.980047			
BLZF1	BLZF1	1844.909819	2168.287327	1234.819506
1397.161761				
PARP3	PARP3	613.7985683	529.1230434	835.7129848
917.2998606				
SMYD2	SMYD2	1153.800744	1921.498653	1380.354994
1453.727015				
ROS1	ROS1	0	0	0.942754225
CRYAB	CRYAB	0	7.142846024	0
RUNDC3B	RUNDC3B	7.028227881	7.109138778	71.42846024
10.37029647				
GATS	GATS	624.3409101	420.4547792	630.3561616
686.3250756				
PRSS54	PRSS54	5.856856567	20.31182508	11.60712479
0.942754225				
SOCS2	SOCS2	495.4900656	2159.147006	1252.676622
548.6829588				
RACGAP1	RACGAP1	12388.42301	6743.525927	4544.635783
4392.291933				
GTF2H1	GTF2H1	4423.09808	5550.206203	5412.491575
4792.019724				
NRXN1	NRXN1	1.171371313	0	0.892855753
CHORDC1	CHORDC1	5199.71726	5287.168069	0
				5349.991672

5803.595007					
TBL1X	TBL1X	3186.129973	2385.623856	2973.209658	
3124.287501					
ELP2	ELP2	3683.962781	4271.576815	4725.885501	
4742.05375					
DPP3	DPP3	9657.956479	10519.49421	4022.315167	
5051.277136					
ESPMP	ESPMP	0	0	10.71426904	7.542033798
FBXL19-AS1	FBXL19-AS1			173.3629544	160.4634181
243.7496206		273.3987252			
HNF1A-AS1	HNF1A-AS1		0	0	0.892855753
MIR4697HG	MIR4697HG		37.48388203	8.124730032	0
31.11088942					
LRR37BP1	LRR37BP1		134.707701	48.74838019	
149.9997665		161.2109724			
MIR4650-1	MIR4650-1		1.171371313	3.046773762	0
1.885508449					
MIR4658	MIR4658	80.82462063	38.59246765	30.3570956	
46.19495701					
MIR4649	MIR4649	0	0	0.892855753	0
ADRBK1	ADRBK1	20140.55836	26713.09676	13317.83641	
17572.93875					
C15orf53	C15orf53		619.6554248	610.3703437	
125.8926612		117.8442781			
KLRC1	KLRC1	0	17.26505132	41.96422039	0
SPG7	SPG7	3678.105924	4075.567703	2782.138526	
3022.470044					
SPI1	SPI1	2.342742627	0	17.85711506	6.599279573
SPARC	SPARC	5.856856567	16.24946006	50.89277792	
7.542033798					
OSBPL6	OSBPL6	56.22582305	40.62365016	116.9641036	
20.74059294					
OMG	OMG	8.199599194	5.07795627	0	16.02682182
REST	REST	6142.671168	5361.30623	6396.418615	
6933.957323					
IGFBP5	IGFBP5	0	1.015591254	0	0
ASB5	ASB5	0	0	0.892855753	0
KLHDC1	KLHDC1	42.16936728	41.63924142	134.8212187	
133.8710999					
FDFT1	FDFT1	9708.325446	14271.0883	13177.65806	
13549.26372					
ZNF726	ZNF726	190.9335241	98.51235164	151.785478	
175.3522858					
CRISPLD2	CRISPLD2		4.685485254	2.031182508	
33.03566286		1.885508449			
C10orf113	C10orf113		2.342742627	0	0
LTF	LTF	0	10.15591254	8.92855753	1.885508449
SIT1	SIT1	7964.15356	10007.63622	2706.245787	
3637.145799					
ATL3	ATL3	3265.783222	2827.406051	3023.20958	

3554.183427					
AJAP1	AJAP1	0	0	0	3.771016899
ZNF534	ZNF534	1.171371313		2.031182508	0 0
BRD4	BRD4	3507.085713		2702.488327	3366.066189
2905.568521					
C19orf24	C19orf24			1602.435957	2384.608265
1823.211448					1366.993626
ADAM28	ADAM28	3.51411394		0	8.035701777 0
PLK4	PLK4	4614.031604		3903.932781	1215.17668
2313.518867					
TINF2	TINF2	6812.695559		7997.781126	9022.307384
8173.679128					
HIST1H2BD	HIST1H2BD			117.1371313	208.1962071
187.4997081					193.2646161
IGDCC4	IGDCC4	3.51411394		1.015591254	0.892855753 0
PPT2-EGFL8	PPT2-EGFL8			0 0	0 1.885508449
NFAM1	NFAM1	5.856856567		16.24946006	0 2.828262674
GJC1	GJC1	60.9113083		15.23386881	70.53560449
21.68334717					
TUB	TUB	1.171371313		6.093547524	46.42849916
19.79783872					
PHF14	PHF14	777.7905521		538.2633646	479.4635394
656.1569404					
SAMD9	SAMD9	5694.035955		4852.495012	6899.989259
7367.624266					
TAS2R5	TAS2R5	11.71371313		6.093547524	8.92855753
23.56885562					
FREM3	FREM3	0	0	43.7499319	0
KLRF2	KLRF2	0	3.046773762	0	0
ORC3	ORC3	3088.906154		3555.58498	4319.636133
4477.139813					
ARHGAP33	ARHGAP33			124.1653592	37.5768764
40.17850889					31.11088942
TTLL12	TTLL12	5752.60452		7836.302116	5498.205727
4706.22909					
CYP19A1	CYP19A1	0	10.15591254	0	0
EFR3A	EFR3A	6919.290349		5895.50723	5483.027179
6914.159484					
LSM8	LSM8	2837.061321		2322.657198	2002.675454
2499.24145					
COR02B	COR02B	0	5.07795627	7.142846024	0
EGR3	EGR3	204.9899799		100.5435342	116.9641036
490.2321969					
LOC285847	LOC285847			1.171371313	2.031182508
10.71426904					9.427542247
ARPC3	ARPC3	26123.92303		30088.92208	13929.4426
16414.29381					
SMARCD3	SMARCD3	63.25405093		33.51451138	281.2495622
231.9175393					
COX19	COX19	1302.564901		1656.429335	2471.424724

1824.229425					
MKI67	MKI67	27340.97783	13031.05138	4064.279388	
11297.02387					
PTPLA	PTPLA	168.6774691	276.2408211	96.42842133	
159.325464					
SSU72	SSU72	7577.601027	10267.62758	9178.557141	
7747.554219					
DNAJC28	DNAJC28	25.7701689	26.40537261	69.64274874	
57.50800771					
SDCBP	SDCBP	12414.19318	12503.95952	12193.73102	
13193.84537					
URM1	URM1	4228.650442	4620.940206	2452.674754	
2865.972843					
WDR26	WDR26	1172.542685	519.9827221	614.2847581	
867.3338867					
NRGN	NRGN	44.51210991	40.62365016	21.42853807	
48.08046546					
ZDHC3	ZDHC3	4339.930716	4878.900384	2658.924433	
2785.838734					
ANP32A-IT1	ANP32A-IT1		38.65525334	29.45214637	
23.21424958	21.68334717				
LINC00520	LINC00520		0	1.015591254	0
LINC00271	LINC00271		79.65324932	62.96665775	
18.74997081	40.53843166				
LINC00202-1	LINC00202-1		0	1.015591254	2.678567259
0					
KLF3-AS1	KLF3-AS1		417.0081876	376.7843553	
395.5350986	271.5132167				
LINC00264	LINC00264		1.171371313	2.031182508	0
1.885508449					
LOC284798	LOC284798		0	0	8.035701777
11.3130507					
H1FX-AS1	H1FX-AS1		310.4133981	152.3386881	
174.9997276	182.8943196				
LINC00486	LINC00486		0	0	0.892855753
4.713771124					
KLF14	KLF14	0	0	0	3.771016899
TMC1	TMC1	2.342742627	2.031182508	0	1.885508449
SEPN1	SEPN1	301.0424276	224.4456671	502.677789	
631.6453306					
CNOT7	CNOT7	8548.667846	9042.824526	8301.772792	
8955.222381					
MPI	MPI	2275.974462	3144.270523	2399.103408	
2663.280685					
EFNA3	EFNA3	49.19759517	23.35859884	70.53560449	
59.39351616					
ITPR3	ITPR3	3282.18242	909.9697636	1617.854624	
1940.188194					
COX6A1	COX6A1	16681.49888	22743.15054	15257.11911	
14140.37062					

TMPPE	TMPPE	367.8105924	296.5526462	224.9996498
232.8602935				
CASR	CASR	15.22782708	31.48332888	23.21424958
55.62249926				
ANKRD50	ANKRD50	14.05645576	33.51451138	20.53568232
40.53843166				
PCDHGA1	PCDHGA1	0	15.23386881	9.821413283
16.96957604				
EIF4H	EIF4H	21321.30065	27046.21069	19786.57634
19187.87674				
ZFP91	ZFP91	3115.847694	2534.91577	1772.31867
1884.565695				
ROB03	ROB03	44.51210991	25.38978135	238.3924861
127.2718203				
RNF157	RNF157	2855.803262	3133.099019	2140.17524
1976.012855				
MRPS30	MRPS30	2561.789063	3115.833967	2905.35262
2700.0481				
TNFRSF12A	TNFRSF12A		154.6210134	239.679536
224.106794	143.2986422			
FLT3LG	FLT3LG	1847.252561	4166.970915	2511.603233
1473.524853				
NDUFAB1	NDUFAB1	8153.915713	9243.911594	5094.634927
5815.850812				
NDUFA9	NDUFA9	9963.684392	14690.52749	7991.951845
7620.282398				
FYB	FYB	10264.72682	6600.32756	10316.05537
12633.84937				
BMP8B	BMP8B	86.6814772	104.6058992	163.3926028
119.7297865				
BICD1	BICD1	364.2964785	469.2031594	464.2849916
367.6741476				
PVALB	PVALB	0	2.031182508	0
2.828262674				
MAPK13	MAPK13	1304.907643	2637.490487	2493.746118
1978.841118				
ATG4C	ATG4C	890.2421982	1041.996627	1464.283435
1057.77024				
MCEE	MCEE	544.6876608	503.733262	507.1420677
457.235799				
JPH3	JPH3	4.685485254	1.015591254	0
10.37029647				
SOSTDC1	SOSTDC1	2.342742627	0	0
3.771016899				
WWC2	WWC2	1.171371313	0	291.9638312
224.3755055				
TMTC2	TMTC2	7.028227881	1.015591254	20.53568232
0				
USP54	USP54	297.5283136	327.0203838	372.320849
455.3502905				
TNFAIP8L1	TNFAIP8L1		1350.591124	2140.866364
1449.997743	1293.458796			
WDR76	WDR76	4493.380358	3331.139313	2176.782326
2501.126958				
GALM	GALM	14016.62914	17771.83135	5510.705708
9760.334488				

LRR37B LRR37B	431.0646434	363.581669	367.8565702
498.7169849			
SLC2A13 SLC2A13	158.1351273	88.3564391	381.2494065
362.0176223			
MSC MSC	1486.470197	384.9090853	405.3565119
1160.530451			
POLR3G POLR3G	559.9154878	458.0316556	180.3568621
406.3270709			
IGF2BP1 IGF2BP1	0 0	1.785711506	0
CCBL2 CCBL2	1844.909819	1990.558858	1527.676193
2085.372345			
SLC44A2 SLC44A2	14351.64133	15706.11874	13749.08574
11554.39578			
ECT2L ECT2L	8.199599194	6.093547524	25.89281684
9.427542247			
ZNF384 ZNF384	4055.287487	3251.923195	3915.172477
3396.743472			
GS1-259H13.2 GS1-259H13.2	74.99988325 42.42394011	40.99799597	42.65483267
CCDC149 CCDC149	2.342742627	0 0	3.771016899
ABHD14B ABHD14B	2660.184253	2629.365757	2351.782053
2888.598945			
CEP170B CEP170B	46.85485254	5.07795627	8.92855753
16.96957604			
MCC MCC	424.0364155	387.955859	340.1780419
279.9980047			
MC1R MC1R	18.74194102	18.28064257	17.85711506
5.656525348			
NRP1 NRP1	32.79839678	100.5435342	26.78567259
9.427542247			
COX20 COX20	2532.50478	2494.29212	2076.782482
2307.862342			
SLC25A32 SLC25A32	4085.707926 4599.697862	4499.237215	4605.706337
TCEAL1 TCEAL1	146.4214142	205.1494333	469.6421261
422.3538927			
ACOX3 ACOX3	1454.843171	1837.204579	1224.105237
1410.36032			
SLC8B1 SLC8B1	1794.540852	2256.643767	3241.959239
2923.480851			
NRSN2 NRSN2	347.8972801	477.3278894	311.6066578
233.8030477			
MRPL37 MRPL37	9359.256795	14803.25812	6917.846374
6653.016564			
RBM3 RBM3	13039.70546	15265.35214	9747.306256
10391.03706			
PLD6 PLD6	1062.433781	1391.360018	1255.355189
1136.018841			
FTSJ2 FTSJ2	3188.472715	4374.151531	2916.959745
2869.74386			

PSMC5	PSMC5	14512.1192	18496.96351	10603.55492	
12031.42942					
CR1	CR1	8.199599194	0	0	37.71016899
MIR601	MIR601	1.171371313	1.015591254	0	1.885508449
MIR600	MIR600	2.342742627	0	0	4.713771124
MIR593	MIR593	2.342742627	3.046773762	0.892855753	
0.942754225					
MIR550A1	MIR550A1		0	0	2.678567259
YDJC	YDJC	2243.176065	3223.48664	3072.31664	0
2390.824714					
GPATCH8	GPATCH8	3654.678498	3222.471049	3891.958227	
3960.510498					
LOC100129518	LOC100129518		644.2542224	941.4530925	
522.3206155	613.7330003				
KCNC4	KCNC4	77.31050669	49.76397145	149.9997665	
239.4595731					
RAB6C-AS1	RAB6C-AS1		4.685485254	1.015591254	
0.892855753	0				
SNHG4	SNHG4	110.1089035	76.16934405	105.3569789	
55.62249926					
ANGPT2	ANGPT2	121.8226166	168.5881482	152.6783338	
164.0392351					
LCN15	LCN15	0	0	6.249990271	0
SPACA5	SPACA5	2.342742627	0	0	0
C7orf55-LUC7L2	C7orf55-LUC7L2		10029.28119	10503.24475	
9497.306645	9344.579875				
HYLS1	HYLS1	1015.578929	1481.74764	764.2845246	
676.8975333					
CCNY	CCNY	1456.014543	2506.479215	2546.424608	
2748.128565					
OSBPL7	OSBPL7	905.4700253	839.8939671	431.2493287	
719.3214735					
THEM5	THEM5	165.1633552	204.1338421	259.8210241	
431.7814349					
PRSS27	PRSS27	16.39919839	15.23386881	9.821413283	
24.51160984					
MAGT1	MAGT1	5774.860575	5526.847605	4925.885189	
5281.309167					
POM121C	POM121C	2226.776867	1909.311558	1841.961419	
1924.161373					
LOC101927830	LOC101927830		8.199599194	4.062365016	
10.71426904	7.542033798				
KLHL32	KLHL32	12.88508445	15.23386881	133.0355072	
113.130507					
PHEX	PHEX	178.0484396	96.48116913	111.6069691	
180.0660569					
ATP6V0C	ATP6V0C	2517.276953	1420.812164	1705.354488	
1372.650151					
EEA1	EEA1	472.0626393	478.3434807	1366.069302	
1136.961595					

KYNU	KYNU	0	0	75.89273901	63.16453306
RTDR1	RTDR1	0	1.015591254	6.249990271	0
ANKIB1	ANKIB1	1036.663612		662.1654976	552.6777111
		623.1605425			
DKK2	DKK2	0	0	0	0.942754225
CLPTM1	CLPTM1	3251.726766		1590.415904	1517.85478
		1545.174174			
MIS18A	MIS18A	1297.879415		1477.685275	778.5702166
		907.8723184			
CCDC93	CCDC93	2004.216317		1642.211058	2496.424685
		2048.60493			
SIN3A	SIN3A	4696.027596		2802.01627	4227.671991
		4070.812742			
KLRF1	KLRF1	12.88508445		8.124730032	20.53568232
		6.599279573			
DGKA	DGKA	22574.66795		22484.17477	16266.04611
		19140.73902			
STT3A	STT3A	12484.47546		16715.61645	9616.949316
		11217.83252			
SCIN	SCIN	39.82662466		12.18709505	53.57134518
		52.79423658			
SEC16B	SEC16B	2.342742627		0	0
PI16	PI16	97.22381902		124.9177242	48.21421066
		61.27902461			
KIAA1919	KIAA1919			301.0424276	278.2720036
		357.1423012		208.3486837	
CD01	CD01	0	9.140321286	9.821413283	0
AHRR	AHRR	3659.363983		3639.879055	2211.6037
		2365.37035			
MRPL46	MRPL46	2183.436128		3018.337207	2015.175435
		2317.289884			
ZNF165	ZNF165	65.59679355		33.51451138	155.356901
		129.1573288			
KRT8	KRT8	25.7701689		30.46773762	166.0711701
		119.7297865			
ZSCAN20	ZSCAN20	58.56856567		71.09138778	149.1069108
		184.779828			
SYAP1	SYAP1	2093.240537		2985.838287	2573.21028
		1809.145357			
FANK1	FANK1	22.25605496		124.9177242	75.89273901
		77.30584643			
ENTHD2	ENTHD2	626.6836527		250.8510398	372.320849
		329.0212244			
LIG3	LIG3	2551.246721		2330.781928	1876.782793
		2445.504459			
CD300LF	CD300LF	1.171371313		0	17.85711506
ADD2	ADD2	142.9073002		117.8085855	113.3926806
		159.325464			
KCNJ15	KCNJ15	57.39719436		52.81074521	242.8567648
		37.71016899			

CYB561D2	CYB561D2	2923.742798	3840.966123
2638.38875	2455.874755		
PNRC1 PNRC1	3543.398223	2216.020116	13547.30034
12467.92462			
DNASE1L2	DNASE1L2	11.71371313	7.109138778
8.035701777	5.656525348		
DNAH9 DNAH9	0 0	0.892855753	0
TXK TXK	1409.15969	1109.025649	2158.925211
2258.839122			
KHNYN KHNYN	7256.645287	6549.547997	9720.520583
8865.660729			
EHMT1-IT1	EHMT1-IT1	2.342742627	2.031182508
2.678567259	15.0840676		
LINC00115	LINC00115	40.99799597	50.7795627
16.96425931	47.13771124		
RRN3P3 RRN3P3	882.042599	868.3305222	558.0348456
601.4771954			
MX1 MX1	27206.27013	29676.59203	25417.81758
21753.11098			
C6orf223	C6orf223	0 0	0 5.656525348
DAGLB DAGLB	1176.056799	1575.182035	1375.890715
1406.589303			
PAQR7 PAQR7	16.39919839	5.07795627	22.32139383
47.13771124			
LCE1F LCE1F	0 0	12.49998054	0
LCE1C LCE1C	0 0	39.28565313	0
IGLL3P IGLL3P	0 0	0.892855753	0
MIR658 MIR658	69.11090749	84.29407409	67.85703723
63.16453306			
UNQ6494 UNQ6494	1882.393701	2607.022749	389.2851083
916.3571064			
AGPAT4-IT1	AGPAT4-IT1	10.54234182	21.32741634
6.249990271	18.85508449		
VAT1 VAT1	1191.284626	1457.37345	3053.566675
1987.325906			
BAI2 BAI2	2.342742627	4.062365016	10.71426904
25.45436407			
RBP2 RBP2	0 0	8.035701777	1.885508449
RAB27B RAB27B	19.91331233	6.093547524	95.53556557
145.1841506			
LTBR LTBR	4.685485254	9.140321286	0 1.885508449
IRF2 IRF2	8061.377379	7884.034905	9002.664558
9218.250809			
ANKRD29 ANKRD29	9.370970508	31.48332888	0 4.713771124
CYP17A1 CYP17A1	0 0	0 2.828262674	
COL4A4 COL4A4	15.22782708	2.031182508	26.78567259 0
PCYT1A PCYT1A	1980.788891	2736.002838	1216.962391
1406.589303			
LOC103611081	LOC103611081	33.96976809	20.31182508
25.89281684	67.87830418		

SYNP02L	SYNP02L	0	3.046773762	0	3.771016899
MAP6D1	MAP6D1	140.5645576	196.009112		177.6782949
161.2109724					
CAV1	CAV1	244.8166045	145.2295493		61.60704696
191.3791076					
PRPS1	PRPS1	4000.233035	2350.078162		2478.56757
2194.731835					
SPSB2	SPSB2	654.7965642	343.2698439		647.3204209
803.2265995					
ARC	ARC	11.71371313	16.24946006		41.07136464
13.19855915					
TRAPPC1	TRAPPC1	6697.90117	5834.571755		3079.459492
3482.534106					
WFDC1	WFDC1	0	36.56128515	0	0
SNRPB2	SNRPB2	3981.491094	3730.266676		2718.745768
3044.153392					
CDCA5	CDCA5	8370.619406	9298.753522		3199.102163
4999.425654					
MED31	MED31	1124.516461	983.0923339		1203.569555
1104.907951					
LOC100507547	LOC100507547	0	3.046773762		2.678567259
2.828262674					
ATMIN	ATMIN	6059.503805	6773.993665		6566.061208
6225.006146					
FAM118A	FAM118A	2968.254908	2119.538947		5183.920502
4276.333163					
NKX3-1	NKX3-1	37.48388203	0	74.99988325	39.59567744
CLUH	CLUH	3646.478899	2780.688854		2255.353632
2347.45802					
SCN9A	SCN9A	71.45365012	10.15591254	0	16.96957604
LOC339059	LOC339059	0	0	0.892855753	0
HDDC3	HDDC3	1024.949899	1880.875003		1608.033211
1168.072484					
SIGLEC5	SIGLEC5	0	1.015591254	0	0
RTN2	RTN2	37.48388203	43.67042392		11.60712479
47.13771124					
CNTN3	CNTN3	0	0	0.942754225	
ANK3	ANK3	691.1090749	440.7666043		2686.602961
2865.030089					
IFNG	IFNG	2497.36364	1651.351379		3226.780691
2884.827928					
MAN2B1	MAN2B1	7474.520351	11231.42368		4519.635822
5382.183869					
PPP6R2	PPP6R2	4165.396391	4793.590719		3529.458792
3849.2655					
KCTD14	KCTD14	15.22782708	37.5768764		49.99992217
2.828262674					
AACS	AACS	803.560721	1255.27079		1468.747714
1147.331891					
MIR1287	MIR1287	11.71371313	4.062365016	0	10.37029647

PIEZ01	PIEZ01	9727.067387	5635.515869	2490.174695	
3388.258684					
DZIP3	DZIP3	1385.732264	1038.949853	849.1058211	
917.2998606					
PGD	PGD	7039.941594	11006.97801	5637.491225	
5044.677856					
JUNB	JUNB	19320.59844	20538.30193	15980.33227	
19119.05568					
JUN	JUN	1488.812939	2236.331941	2674.995836	
1929.817898					
ITPR2	ITPR2	1389.246378	741.3816155	1066.962625	
1195.412357					
CDCA7L	CDCA7L	3747.216832	6084.407203	2744.638585	
2275.808698					
CCL1	CCL1	219.0464356	83.27848283	8114.273084	
1986.383151					
CPSF1	CPSF1	7591.657483	7257.415101	3401.780419	
5520.76874					
ARFGEF1	ARFGEF1	4402.013396	2742.096386	3656.244309	
3808.727068					
SLC6A13	SLC6A13	3.51411394	0	2.678567259	1.885508449
UCMA	UCMA	0	1.015591254	0	0
RANBP17	RANBP17	0	1.015591254	0	0
LYNX1	LYNX1	1.171371313	2.031182508	16.07140355	
5.656525348					
CAMKV	CAMKV	4.685485254	0	11.60712479	0
ZNF317	ZNF317	3423.918349	4090.801571	4743.742616	
4255.59257					
ANAPC13	ANAPC13	1827.339249	1490.887961	2739.28145	
2874.457631					
YIPF3	YIPF3	5155.205151	5515.676101	4466.064477	
4128.32075					
TECPR1	TECPR1	1687.946063	1340.580455	1424.997782	
848.4788022					
ICOS	ICOS	14208.73403	16863.89277	7684.809466	
9601.951779					
SCUBE1	SCUBE1	39.82662466	19.29623383	0	1.885508449
AUNIP	AUNIP	1192.455997	1640.179875	932.1414062	
1197.297865					
GIT2	GIT2	10364.29338	11378.68441	7971.416163	
9777.304065					
COL16A1	COL16A1	0	0	8.92855753	0
IGSF9	IGSF9	4.685485254	1.015591254	5.357134518	
24.51160984					
LOC728637	LOC728637		2.342742627	0	7.142846024
1.885508449					
NET01	NET01	0	0	5.357134518	1.885508449
APLP1	APLP1	53.88308042	35.54569389	117.8569594	
8.484788022					
TBC1D10A	TBC1D10A		2275.974462	2620.225435	

2638.38875	1888.336712			
ZNF512B ZNF512B	454.4920696	235.6171709	167.8568816	
312.0516484				
ANG ANG	28.11291152	81.24730032	90.17843106	
41.48118589				
LRRIQ3 LRRIQ3	100.737933	90.38762161	123.2140939	
117.8442781				
LM07 LM07	283.4718579	158.4322356	1272.319448	
1665.846715				
C12orf77	C12orf77	0 0	0 5.656525348	
CLASP2 CLASP2	4517.979156	2922.871629	2456.246177	
3137.48606				
POU2F2 POU2F2	1506.383509	1546.74548	703.5703334	
963.4948177				
EDF1 EDF1	8353.048836	10768.31407	8019.630374	
7569.37367				
SELO SEL0	1491.155682	1541.667524	1142.855364	
1189.755832				
AMMECR1L	AMMECR1L	1375.189922	1242.068104	
1865.175668	1668.674978			
SDC1 SDC1	12.88508445	5.07795627	41.07136464	
9.427542247				
SH3GL1 SH3GL1	2123.696191	1569.088488	1138.391085	
1146.389137				
ITSN1 ITSN1	101.9093043	157.4166444	255.3567454	
173.4667773				
GNB1 GNB1	23339.57342	26227.64414	13924.97832	
15079.35382				
CASP3 CASP3	14961.92579	20825.71426	7305.345771	
8717.648316				
BAD BAD	2113.153849	2752.252298	1155.355344	
1290.630534				
TAPBP TAPBP	634.8832519	482.4058457	592.85622	
902.2157931				
HIST1H2AJ	HIST1H2AJ	213.1895791	157.4166444	
54.46420093	75.42033798			
HIST1H2BJ	HIST1H2BJ	59.73993699	116.7929942	
36.60708587	25.45436407			
LMTK2 LMTK2	1051.891439	529.1230434	1283.033717	
774.0012185				
KDM1A KDM1A	7308.185625	8038.404776	6037.490602	
7411.933715				
TIMP3 TIMP3	0 2.031182508	0	7.542033798	
KLRC2 KLRC2	0 14.21827756	12.49998054	0	
KLK1 KLK1	21.08468364	5.07795627	4.464278765	
2.828262674				
SLC33A1 SLC33A1	2171.722415	2373.436761	2141.068096	
1965.642559				
GRHL2 GRHL2	0 0	0 0.942754225		
PCMT1 PCMT1	9903.944455	12967.06913	9279.449841	

8690.308443					
PRKCE PRKCE	55.05445173	21.32741634	130.3569399		
153.6689386					
PIGK PIGK	2828.861722	2574.523829	2199.996575		
2486.985645					
MED16 MED16	7837.645458	8720.882099	5791.062414		
6768.032579					
CNPY3 CNPY3	2777.321384	3380.903285	5233.027569		
3916.201049					
DNAJC4 DNAJC4	767.2482103	557.5595985	635.7132962		
713.6649481					
LGALS8 LGALS8	6359.374861	5756.371228	7152.667438		
8226.473365					
RPS21 RPS21	5752.60452	5103.346052	5585.705591		
5249.255523					
DSP DSP	7.028227881	12.18709505	18.74997081	0	
RBBP9 RBBP9	1419.702032	1183.163811	1091.06973		
1134.133332					
C19orf53	C19orf53	4040.05966	5025.145525		
3755.351297	3397.686226				
MGAT3 MGAT3	50.36896648	12.18709505	7.142846024		
15.0840676					
ERH ERH	4957.243399	3401.21511	2645.531596		
3332.636184					
EPHB4 EPHB4	5.856856567	0 3.571423012	2.828262674		
NME1 NME1	11210.02347	16251.49125	7606.23816		
9357.778435					
ZNF565 ZNF565	158.1351273	194.9935208	470.5349818		
312.0516484					
CENPN CENPN	6779.897162	6086.438386	3148.209385		
3357.147794					
ZNF576 ZNF576	657.1393069	643.8848551	904.4628778		
724.0352446					
C19orf57	C19orf57	146.4214142	224.4456671		
242.8567648	268.684954				
NUDT16 NUDT16	732.1070709	705.8359216	588.3919412		
606.1909665					
RNMTL1 RNMTL1	2123.696191	2843.655511	2434.817639		
2124.968023					
SRD5A3 SRD5A3	1150.28663	1170.976716	574.1062492		
855.0780818					
HECTD3 HECTD3	4918.588145	5682.233066	4207.136308		
4710.942861					
KIAA1551	KIAA1551	13238.83858	8601.042331		
20075.86161	23037.14224				
NADSYN1 NADSYN1	4140.797593	4637.189666	2919.638312		
3140.314323					
TFAP2A TFAP2A	4.685485254	6.093547524	5.357134518		
3.771016899					
LONRF3 LONRF3	29.28428284	93.43439537	427.6779057		

357.3038512				
LOC101929829	LOC101929829	30.45565415	18.28064257	
25.89281684	27.33987252			
CELSR3-AS1	CELSR3-AS1	8.199599194	5.07795627	
8.92855753	0.942754225			
TBX1 TBX1	3.51411394	12.18709505	12.49998054	
2.828262674				
ZKSCAN4 ZKSCAN4	335.0121956	368.6596252	608.9276236	
477.0336377				
UBOX5 UBOX5	1434.929859	1463.466997	1660.711701	
1217.095704				
LGALS3 LGALS3	6219.981674	9128.134191	3644.637184	
5289.793955				
RGPD4 RGPD4	5.856856567	4.062365016	16.96425931	
4.713771124				
ACTR8 ACTR8	2867.516975	3951.66557	2860.709833	
1767.664171				
UBE2F-SCLY	UBE2F-SCLY	8676.347319	10164.03727	
5231.241857	5012.624213			
TFRC TFRC	130797.6636	94296.63235	27867.81376	
56767.00289				
TDRD10 TDRD10	2.342742627	0 0	0	
C8orf37-AS1	C8orf37-AS1	1.171371313	5.07795627	
10.71426904	2.828262674			
SAMD3 SAMD3	1527.468193	1762.050826	766.9630919	
484.5756715				
OSGIN1 OSGIN1	14.05645576	180.7752432	224.9996498	
104.6457189				
LOC100505716	LOC100505716	26.94154021	24.3741901	
80.35701777	61.27902461			
SSR4P1 SSR4P1	45.68348122	16.24946006	15.1785478	
30.16813519				
UCKL1-AS1	UCKL1-AS1	296.3569423	196.009112	
264.2853029	241.3450815			
LOC399815	LOC399815	101.9093043	99.5279429	
149.9997665	137.6421168			
MGC45800	MGC45800	0 0	0.892855753 0	
C1orf220	C1orf220	2.342742627	0 14.28569205	
0				
CCT4 CCT4	18656.43091	18498.99469	15981.22512	
19373.59932				
SNORA57 SNORA57	29.28428284	16.24946006	47.32135491	
31.11088942				
SNORA16B	SNORA16B	4.685485254	4.062365016	
2.678567259	0			
SCARNA14	SCARNA14	3.51411394	2.031182508	
0.892855753	4.713771124			
SNORD105	SNORD105	1.171371313	3.046773762	
5.357134518	3.771016899			
SNORD104	SNORD104	21.08468364	8.124730032	

29.46423985	28.28262674				
SNORD94	SNORD94	19.91331233	5.07795627	24.99996108	
14.14131337					
STAP2	STAP2	323.2984825	601.2300224	325.8923499	
153.6689386					
CADM2	CADM2	24.59879758	10.15591254	28.5713841	
28.28262674					
MINA	MINA	4156.02542	11536.10105	2917.852601	
2845.23225					
TSC22D2	TSC22D2	1075.318866	777.9429006	1850.889976	
1297.229813					
URB2	URB2	2562.960434	2182.505605	1588.390385	
2420.992849					
PDGFRA	PDGFRA	15.22782708	27.42096386	24.10710533	0
PDE6H	PDE6H	0	0	0.892855753	0
PAX9	PAX9	5.856856567	0	0	0
CRABP1	CRABP1	1.171371313	0	0	0.942754225
ZNF295-AS1	ZNF295-AS1	19.91331233	6.093547524		
12.49998054	83.905126				
NMT2	NMT2	1117.488233	2369.374396	1933.925561	
1613.995233					
MLXIP	MLXIP	2748.037101	2047.431968	3349.994785	
2698.162591					
C20orf173	C20orf173	2.342742627	0	13.3928363	
4.713771124					
XDH	XDH	0	3.046773762	0	0
PTMA	PTMA	63525.80907	63817.72322	48923.13813	
49019.44867					
MROH1	MROH1	1659.833151	1582.291174	1181.248161	
1817.630145					
CCDC17	CCDC17	31.62702546	11.17150379	49.99992217	
13.19855915					
EFCAB13	EFCAB13	32.79839678	30.46773762	326.7852056	
162.1537267					
ECI2	ECI2	2708.210477	3436.760804	4465.171621	
3863.406813					
EOGT	EOGT	1910.506612	1528.464837	890.1771858	
1340.596508					
ADTRP	ADTRP	910.1555106	1583.306765	1781.247227	
1349.081296					
PLEKHA8	PLEKHA8	514.2320066	470.2187506	423.2136269	
436.495206					
TMEM5	TMEM5	1212.369309	1434.014851	1418.747792	
1452.78426					
HSPA1B	HSPA1B	31.62702546	44.68601518	87.4998638	
69.76381263					
EGFL7	EGFL7	40.99799597	80.23170907	0	21.68334717
ZNF134	ZNF134	1198.312854	952.6245963	1905.354177	
1566.857521					
ECI1	ECI1	2485.649927	2656.786721	2000.889743	

2081.601328				
PHC2 PHC2	3450.859889	3776.983874	4305.350441	
3721.050925				
SEC24D SEC24D	4728.825992	5837.618528	3717.851356	
2936.67941				
POLE POLE	5764.318234	2434.372236	1749.997276	
2237.155775				
ALDH18A1	ALDH18A1	9086.327279	10079.7432	
5021.420755	7064.057406			
ZNF585B ZNF585B	323.2984825	254.9134048	1316.06938	
1059.655749				
FAM58A FAM58A	1392.760492	2061.650246	1708.033056	
1511.235022				
PARS2 PARS2	484.9477238	486.4682107	826.7844273	
673.1265164				
OLFML2B OLFML2B	7.028227881	0 0	0.942754225	
GORAB GORAB	698.1373028	677.3993665	979.4627611	
774.9439727				
LOC643072	LOC643072	55.05445173	56.87311023	
50.89277792	49.96597391			
RAET1G RAET1G	2.342742627	0 0	3.771016899	
FRRS1 FRRS1	7.028227881	0 6.249990271	35.82466054	
VSIG8 VSIG8	5.856856567	4.062365016	14.28569205	
4.713771124				
SLC2A4RG	SLC2A4RG	564.6009731	146.2451406	
138.3926417	148.9551675			
ASB8 ASB8	2774.978642	2856.858198	3697.315673	
3246.84555				
TUBA4A TUBA4A	21405.63938	28112.5815	13267.83649	
16342.64449				
FRS3 FRS3	134.707701	53.82633646	183.9282851	
157.4399555				
MIR3610 MIR3610	35.1411394	8.124730032	6.249990271	
14.14131337				
MIR3607 MIR3607	0 2.031182508	10.71426904	2.828262674	
MIR3605 MIR3605	283.4718579	385.9246765	432.1421845	
378.9871983				
PRH1-PRR4	PRH1-PRR4	898.4417974	992.2326552	
1147.319643	869.2193952			
LOC731424	LOC731424	0 1.015591254	17.85711506	
0				
PPP2R1A PPP2R1A	18710.31399	24396.5331	17623.18685	
17876.50561				
EVI2A EVI2A	2352.113597	1640.179875	2597.317386	
2803.751064				
SCAMP3 SCAMP3	7078.596847	11213.14304	9182.128564	
8307.550228				
TMEM121 TMEM121	134.707701	212.2585721	151.785478	
133.8710999				
SLC30A2 SLC30A2	0 0	0 0.942754225		

TIMM21	TIMM21	2238.49058	2159.147006	2279.460737	
2337.087723					
MED13L	MED13L	634.8832519	315.84888	549.1062881	
682.5540587					
TNFSF15	TNFSF15	2.342742627	13.2026863	27.67852834	
31.11088942					
CCDC42	CCDC42	5.856856567	1.015591254	18.74997081	0
TAPBPL	TAPBPL	2591.073345	3587.068309	2713.388633	
3015.870765					
SPSB1	SPSB1	3358.321556	2062.665837	691.9632086	
977.636131					
CTNNBIP1	CTNNBIP1		304.5565415	244.7574922	
250.8924666	281.8835132				
ADCK3	ADCK3	3406.34778	5735.043812	6989.274835	
4627.980489					
BMP2K	BMP2K	1095.232178	771.8493531	269.6424374	
433.6669434					
SPOCK1	SPOCK1	15.22782708	19.29623383	0	2.828262674
PCNXL2	PCNXL2	897.2704261	410.2988666	567.8562589	
620.3322799					
RAB2B	RAB2B	952.3248778	852.0810621	1166.069613	
1080.396342					
FIBCD1	FIBCD1	0	0	0.942754225	
CCDC136	CCDC136	110.1089035	86.32525659	69.64274874	
223.4327513					
SPDYC	SPDYC	0	0	0.942754225	
RUSC1-AS1	RUSC1-AS1		2147.123618	2699.441553	
1290.176563	1692.243833				
MED20	MED20	2322.829315	2522.728675	1307.140822	
1474.467607					
CHST3	CHST3	85.51010588	0	17.85711506	11.3130507
MIA-RAB4B	MIA-RAB4B		2347.428112	2543.0405	
2070.532491	2012.78027				
UGP2	UGP2	10851.58385	18029.79153	8563.379527	
8968.42094					
MLLT3	MLLT3	1999.530832	3503.789826	3096.423752	
2505.840729					
DHRS7	DHRS7	3638.2793	5100.299278	6699.989571	
5427.436072					
TMEM19	TMEM19	1801.56908	1648.304605	1312.497957	
1529.147352					
PRIM1	PRIM1	3289.210648	2956.386141	2324.103525	
2872.572123					
SVIL	SVIL	377.1815629	201.0870683	394.6422428	
590.1641447					
SUV39H1	SUV39H1	4659.715085	5380.602464	2363.389178	
2782.067717					
SURF1	SURF1	1857.794903	2671.004998	2811.602766	
1855.340314					
RGS16	RGS16	510.7178927	1941.810478	4705.349818	

1926.989635				
C21orf2 C21orf2	880.8712277	947.54664	1290.176563	
938.9832078				
ABCA13 ABCA13	0 0	0	0.942754225	
DNAJC18 DNAJC18	960.524477	1065.355226	602.6776333	
786.2570234				
SLC23A1 SLC23A1	19.91331233	13.2026863	4.464278765	
8.484788022				
CMBL CMBL	31.62702546	37.5768764	36.60708587	
19.79783872				
ACMSD ACMSD	11.71371313	26.40537261	26.78567259	
16.96957604				
PPP1CC PPP1CC	16150.86767	11853.98112	10608.91206	
13750.07037				
TPI1P3 TPI1P3	0 0	0	2.828262674	
SLIRP SLIRP	5394.164898	5138.891745	3333.030526	
3577.752283				
OSTC OSTC	5854.513825	6260.10449	4952.670862	
4941.917646				
LAYN LAYN	319.7843686	1208.553592	718.7488812	
544.9119419				
LOC100506804 LOC100506804		21.08468364	42.65483267	
116.0712479	47.13771124			
LOC441454 LOC441454		10.54234182	2.031182508	
0.892855753	9.427542247			
FAM183B FAM183B	1.171371313	0	3.571423012	0
ACOT11 ACOT11	110.1089035	102.5747167	0	135.7566084
TMEM98 TMEM98	9.370970508	9.140321286	0	8.484788022
TERF2IP TERF2IP	8726.716285	10684.01999	12932.12273	
11000.99905				
TMX4 TMX4	4947.872428	4095.879528	3640.172905	
4103.80914				
TRIM33 TRIM33	3249.384024	3140.208158	3107.138021	
3488.190631				
CRTAP CRTAP	2022.958258	2453.66847	2889.281217	
2466.245052				
HTR1D HTR1D	0 0	1.785711506	0	
BORA BORA	3694.505123	3774.952691	1566.068991	
2214.529674				
C17orf59 C17orf59		1437.272602	1829.079849	
2183.925172	1294.401551			
CROT CROT	853.9296875	764.7402143	802.677322	
1101.136934				
BCKDHA BCKDHA	3678.105924	5687.311023	4477.671601	
4257.478079				
CREG1 CREG1	1885.907815	2318.594833	1989.282618	
1585.712606				
TNC TNC	8.199599194	21.32741634	16.96425931	
21.68334717				
F10 F10	3.51411394	0	0	0.942754225

RPS7	RPS7	7790.790606	7987.625213	6897.310692
7449.643884				
IGSF10	IGSF10	1.171371313	0	0.892855753
PES1	PES1	5637.810132	8006.921447	6363.382952
5706.491322				
PPP2R5D	PPP2R5D	8551.010588	8931.109488	4863.385287
5922.38204				
SYCE3	SYCE3	3.51411394	6.093547524	11.60712479
8.484788022				
ENTPD6	ENTPD6	1765.256569	2500.385667	2752.674287
2582.203821				
LAMA4	LAMA4	0	0	6.599279573
GNG12	GNG12	18.74194102	43.67042392	8.035701777
18.85508449				
TRMT61A	TRMT61A	1388.075006	1998.683588	2051.78252
1955.272262				
ZNF354B	ZNF354B	149.9355281	91.40321286	312.4995136
416.6973673				
PKHD1L1	PKHD1L1	1.171371313	2.031182508	7.142846024
1.885508449				
TATDN1	TATDN1	1068.290638	984.1079252	1407.140667
1450.898752				
DEFB131	DEFB131	0	0	0.942754225
ELAVL4	ELAVL4	0	0.892855753	0
PGPEP1	PGPEP1	531.8025763	536.2321821	471.4278376
510.9727898				
LPIN3	LPIN3	10.54234182	5.07795627	6.249990271
25.45436407				
ADAMTS6	ADAMTS6	11.71371313	12.18709505	21.42853807
10.37029647				
TMED7	TMED7	3531.68451	2995.994199	4498.207284
4075.526513				
ESAM	ESAM	12.88508445	5.07795627	115.1783921
26.39711829				
STK40	STK40	6791.610875	7980.516074	4977.670823
5731.002932				
RNF26	RNF26	5268.828168	5787.854557	3468.744601
4165.088165				
TSPAN7	TSPAN7	7.028227881	12.18709505	24.99996108
21.68334717				
CEP95	CEP95	1337.70604	1003.404159	2306.24641
1751.63735				
LRRC16B	LRRC16B	44.51210991	22.34300759	26.78567259
2.828262674				
UBE2E2	UBE2E2	162.8206126	265.0693173	425.8921942
349.7618174				
INSIG1	INSIG1	12373.19518	8981.889051	6387.490057
8151.995781				
LOC101927314	LOC101927314		3.51411394	2.031182508
6.249990271	0			

IGFBP7	IGFBP7	320.9557399	229.5236234	205.3568232	
330.9067329					
DNAJC9	DNAJC9	10364.29338	12700.98422	7418.738452	
7808.833243					
ARHGAP30	ARHGAP30		24615.19678	23122.98167	
11707.12463	16483.11486				
TMC04	TMC04	1179.570913	1274.567024	1063.391202	
1357.566084					
ITGB8	ITGB8	32.79839678	36.56128515	6.249990271	
80.1341091					
KAZN	KAZN	22.25605496	10.15591254	0	14.14131337
MOV10	MOV10	6352.346633	5959.489479	7863.380617	
8469.703955					
SMIM3	SMIM3	824.6454047	1697.052986	957.1413672	
1107.736214					
ZNF833P	ZNF833P	3.51411394	4.062365016	0	10.37029647
LINC00861	LINC00861		846.9014596	363.581669	
1732.140161	1629.0793				
THRSP	THRSP	9.370970508	9.140321286	12.49998054	
34.88190631					
EIF2B1	EIF2B1	6743.584652	9878.656128	5493.741448	
6041.169072					
CHUK	CHUK	4937.330086	4534.614949	3902.672496	
4066.098971					
THOP1	THOP1	5087.265614	6595.249604	3573.208724	
3336.407201					
MBOAT7	MBOAT7	2171.722415	2232.269576	1702.675921	
1645.106122					
FBX027	FBX027	0	198.0402945	74.1070275	12.25580492
PGK1	PGK1	52216.21904	71024.35876	44569.57348	
51003.94631					
SAP30	SAP30	959.3531057	1336.51809	664.2846803	
645.7866439					
MITD1	MITD1	2483.307185	2324.688381	3292.852017	
3361.861565					
ZNF708	ZNF708	725.078843	638.8068988	1309.81939	
1090.766638					
EXOSC1	EXOSC1	2943.656111	3389.028015	3041.066695	
2916.881571					
ATP1A1-AS1	ATP1A1-AS1		1475.927855	1221.756279	
1361.605023	1518.777056				
RNU5D-1	RNU5D-1	0	0	0.942754225	
RNU5F-1	RNU5F-1	2.342742627	1.015591254	0	0
SNORD44	SNORD44	25.7701689	23.35859884	60.71419121	
74.47758375					
DUSP27	DUSP27	9.370970508	0	0	0
UBE2QL1	UBE2QL1	4.685485254	3.046773762	0.892855753	0
PLA1A	PLA1A	2.342742627	1.015591254	16.96425931	
10.37029647					
C7orf61	C7orf61	15.22782708	23.35859884	28.5713841	

16.96957604				
RIOK1	RIOK1	2803.091553	3493.633914	3415.173255
3082.806315				
MARVELD1	MARVELD1		79.65324932	89.37203036
138.3926417		78.24860065		
IL17C	IL17C	0	1.015591254	1.785711506
CHRAC1	CHRAC1	2869.859718	2487.182981	2539.281762
2657.624159				
POLE3	POLE3	9137.867616	12732.46755	8743.736389
8397.11188				
GSAP	GSAP	224.9032922	248.8198572	245.5353321
364.845885				
DNAJC2	DNAJC2	1616.492413	1862.59436	1878.568504
2163.620946				
LYRM1	LYRM1	1436.10123	1584.322356	1918.747013
1845.912772				
MED15	MED15	6394.516	5540.050291	5948.205027
5606.559374				
SMAD1	SMAD1	442.7783565	294.5214637	118.7498152
195.1501245				
FOXN3	FOXN3	3302.095733	4022.756957	2684.817249
3590.008088				
SPINT1	SPINT1	112.4516461	223.4300759	416.9636367
367.6741476				
CA9	CA9	1.171371313	2.031182508	15.1785478
2.828262674				
GPR158	GPR158	0	0	8.035701777
12.25580492				
CCDC89	CCDC89	5.856856567	0	0
0				
PARD6G	PARD6G	172.1915831	81.24730032	48.21421066
99.93194782				
PGBD1	PGBD1	98.39519033	234.6015797	232.1424958
155.5544471				
GPN3	GPN3	2692.98265	3188.956538	2788.388517
2801.865556				
KCNK5	KCNK5	1245.167706	1303.003579	820.534437
872.9904121				
DCHS1	DCHS1	24.59879758	5.07795627	211.6068135
99.93194782				
APOE	APOE	2.342742627	2.031182508	20.53568232
0.942754225				
ANKRD53	ANKRD53	0	0	29.46423985
9.427542247				
TMEM81	TMEM81	12.88508445	2.031182508	49.99992217
11.3130507				
DCP1B	DCP1B	1430.244374	1914.389514	2784.817094
1896.8215				
AP2A2	AP2A2	1307.250386	434.6730567	499.9992217
590.1641447				
UGDH-AS1	UGDH-AS1		10.54234182	15.23386881
60.71419121		38.65292321		
PCCA-AS1	PCCA-AS1		8.199599194	3.046773762

8.035701777	0.942754225				
MIR4522 MIR4522	0	1.015591254	0	0	
LOC100129617	LOC100129617	0	0	0	4.713771124
MGST1 MGST1	7.028227881	1.015591254	16.96425931	0	
EBPL EBPL	1293.19393	1547.761071	880.3557725		
625.9888052					
MIR6780B	MIR6780B	10.54234182	9.140321286		
5.357134518	7.542033798				
MIR6845 MIR6845	0	0	0.892855753	6.599279573	
MIR6844 MIR6844	0	0	11.60712479	2.828262674	
MIR6835 MIR6835	8.199599194	19.29623383	12.49998054		
16.02682182					
LOC101929625	LOC101929625	19.91331233	47.73278894		
139.2854975	90.50440557				
MIR6831 MIR6831	5.856856567	8.124730032	18.74997081		
8.484788022					
LIN9 LIN9	1395.103234	1226.834235	874.1057822		
968.2085888					
DHX57 DHX57	1541.524649	939.42191	696.4274874		
752.3178713					
UBA6 UBA6	5911.911019	4483.835387	3481.244581		
4624.209472					
MAGI2 MAGI2	0	0	5.357134518	0.942754225	
ASB2 ASB2	17185.18854	24306.14548	3438.387505		
7029.175499					
STK17A STK17A	11099.91457	10277.78349	12164.26678		
11407.32612					
HEPHL1 HEPHL1	2.342742627	1.015591254	0	0	
SKA2 SKA2	3382.920353	2578.586194	1427.676349		
2083.486837					
MLF1 MLF1	22.25605496	44.68601518	127.6783727		
58.45076193					
LIMD1 LIMD1	2432.938218	1178.085855	1174.998171		
1283.0885					
TTYH2 TTYH2	1054.234182	1373.079375	232.1424958		
191.3791076					
PCNA PCNA	23229.46452	27480.88374	18634.79242		
16349.24377					
CASC1 CASC1	29.28428284	6.093547524	38.39279738		
57.50800771					
FURIN FURIN	47362.05632	35423.82294	7958.023327		
24229.72633					
PRDX6 PRDX6	5312.168907	6584.0781	6032.133467		
5418.008529					
PVRL2 PVRL2	1.171371313	1.015591254	67.85703723		
82.01961755					
SEMA5A SEMA5A	0	2.031182508	49.10706642	10.37029647	
NDUFA7 NDUFA7	4047.087888	3753.625275	2138.389529		
2570.890771					
APOBEC3B	APOBEC3B	2272.460348	3050.836127		

1274.10516		948.4107501			
GNG7	GNG7	17.5705697	8.124730032	103.5712674	
110.3022443					
FHAD1	FHAD1	0	4.062365016	0	5.656525348
SLK	SLK	4109.170568	4148.690273	3942.851005	
4480.91083					
PCDHGA2	PCDHGA2	0	14.21827756	9.821413283	12.25580492
C1QTNF2	C1QTNF2	0	0	0.942754225	
ARHGAP25	ARHGAP25		8665.804977	9630.851862	
10582.12638		10630.49664			
RTN3	RTN3	4687.827996	5898.554004	3986.600937	
3750.276306					
LOC101927239	LOC101927239	0	0	1.785711506	
3.771016899					
BTBD19	BTBD19	62.08267961	69.06020528	82.14272928	
53.73699081					
CDC7	CDC7	2649.641911	1680.803525	891.0700415	
1647.934385					
RIPK4	RIPK4	5.856856567	17.26505132	46.42849916	
50.90872813					
KIF1B	KIF1B	1806.254565	1941.810478	1591.961808	
1198.24062					
SLC16A13	SLC16A13		233.1028914	955.6713701	
363.3922915		162.1537267			
FCGR2C	FCGR2C	0	0	0.942754225	
TSPAN9	TSPAN9	0	1.015591254	6.249990271	7.542033798
GALK1	GALK1	1680.917835	2143.913137	1033.034106	
1434.87193					
COX7A2	COX7A2	14957.2403	14308.66518	10265.16259	
9979.053469					
AHCY	AHCY	4773.338102	6281.431906	3373.209035	
3788.929229					
CCNT2	CCNT2	2099.097394	1524.402472	2966.066812	
2876.34314					
SFRP4	SFRP4	1.171371313	0	0	0
CILP2	CILP2	4.685485254	17.26505132	86.60700804	
60.33627038					
EZH1	EZH1	1317.792728	949.5778225	2641.067317	
2369.141367					
NDUFC2-KCTD14	NDUFC2-KCTD14		6070.046146	7669.745151	
3855.351142		4203.741088			
ARHGEF9	ARHGEF9	561.0868591	468.1875681	410.7136464	
494.945968					
TLE1	TLE1	131.1935871	5.07795627	25.89281684	
32.99639787					
MMP9	MMP9	0	9.140321286	178.5711506	4.713771124
KCNA2	KCNA2	85.51010588	41.63924142	6.249990271	
10.37029647					
JARID2	JARID2	2986.996849	2123.601312	1132.141095	
2093.857133					

TLL1	TLL1	0	1.015591254	2.678567259	0
SMDT1	SMDT1	2246.690179	2915.76249	2011.604012	
		1727.12574			
PDZD8	PDZD8	803.560721	811.457412	946.4270982	
		734.4055411			
TTC23	TTC23	147.5927855	70.07579653	47.32135491	
		115.9587696			
PUS10	PUS10	633.7118806	570.7622848	344.6423207	
		510.9727898			
BET1	BET1	1434.929859	1347.689594	1423.21207	
		1493.322692			
PRSS16	PRSS16	9.370970508	2.031182508	29.46423985	
		65.99279573			
CYB5D2	CYB5D2	507.2037787	702.7891478	837.4986963	
		683.4968129			
COL25A1	COL25A1	0	2.031182508	26.78567259	3.771016899
NOXA1	NOXA1	12.88508445	5.07795627	11.60712479	
		83.905126			
ENG	ENG	1245.167706	1347.689594	1243.748064	
		1263.290661			
IL17RE	IL17RE	9.370970508	4.062365016	40.17850889	
		38.65292321			
GTF2H2	GTF2H2	343.2117948	679.430549	523.2134713	
		474.205375			
TBPL1	TBPL1	1104.603149	1195.350906	1633.033172	
		1482.009641			
SYP	SYP	91.36696245	52.81074521	116.9641036	
		54.67974503			
PFN1	PFN1	170276.391	238968.6221	80917.73119	
		96301.4013			
LIPE	LIPE	459.1775549	248.8198572	209.821102	
		279.9980047			
RAD51AP1	RAD51AP1		1781.655768	1555.885801	
		715.1774582	1345.310279		
DTHD1	DTHD1	8.199599194	1.015591254	1.785711506	
		34.88190631			
CD86	CD86	1103.431777	854.1122447	146.4283435	
		308.2806315			
PPP1R3F	PPP1R3F	347.8972801	371.706399	486.6063854	
		421.4111384			
PNLIP	PNLIP	0	4.062365016	1.785711506	0
SEPW1	SEPW1	3218.928369	3995.335993	2169.63948	
		2425.70662			
GPATCH2	GPATCH2	524.7743484	484.4370282	564.2848359	
		516.6293151			
PDP2	PDP2	843.3873457	624.5886212	662.4989687	
		907.8723184			
USP32	USP32	1450.157686	746.4595717	842.8558309	
		1041.743418			
FAM124A	FAM124A	2.342742627	14.21827756	16.07140355	

13.19855915					
EDA2R	EDA2R	148.7641568	337.1762963	310.7138021	
90.50440557					
PITRM1	PITRM1	6815.038302	8378.627846	5677.669734	
7635.366466					
DHX33	DHX33	465.0344114	272.1784561	269.6424374	
353.5328343					
LINC01137	LINC01137		169.8488405	242.7263097	
292.856687	307.3378773				
PHLDA2	PHLDA2	46.85485254	56.87311023	121.4283824	
180.0660569					
KLHL33	KLHL33	0	2.678567259	0	
SMPD2	SMPD2	703.9941594	1151.680482	905.3557336	
630.7025763					
DNAAF2	DNAAF2	1658.66178	2023.057778	2021.425425	
1992.982431					
VPS37B	VPS37B	1382.21815	1427.921303	1574.997548	
1316.084898					
MAN1A2	MAN1A2	2122.52482	1631.039554	1751.782987	
2499.24145					
GL01	GL01	12844.08645	14219.29315	7677.66662	
11632.64438					
GAL3ST1	GAL3ST1	0	48.21421066	37.71016899	
TM6SF1	TM6SF1	529.4598337	446.8601518	108.0355461	
128.2145746					
COR01A	COR01A	110315.0648	130224.1886	38137.44063	
57862.4833					
RPL36	RPL36	10818.78545	12210.45365	12208.01671	
10841.67358					
HEXIM2	HEXIM2	261.2158029	302.6461937	256.2496011	
259.2574118					
ZNF782	ZNF782	194.447638	167.5725569	361.60658	
233.8030477					
ZNF425	ZNF425	94.88107639	120.8553592	172.3211603	
112.1877527					
GLE1	GLE1	6994.258113	8767.599296	6876.77501	
6539.886057					
PPP1R16B	PPP1R16B		24899.84001	12139.36226	
9916.948849	15476.25335				
C9orf172	C9orf172		45.68348122	16.24946006	
32.14280711	19.79783872				
TTLL5	TTLL5	1754.714228	1949.935208	1385.712129	
1285.916763					
TDRD7	TDRD7	1337.70604	2420.153958	3443.744639	
2717.017676					
CSNK1G1	CSNK1G1	2840.575435	2328.750746	2283.925016	
2705.704625					
ITPA	ITPA	3238.841682	3128.021062	1997.31832	
2538.837127					
NEUROD2	NEUROD2	1.171371313	1.015591254	1.785711506	0

C11orf94	C11orf94	8.199599194	2.031182508	0
	0.942754225			
TBCE	TBCE	1533.325049	2204.848613	1666.961691
1120.934773				
INPP5K	INPP5K	4158.368163	6284.47868	6311.597318
4797.67625				
BANP	BANP	995.6656164	1681.819117	1508.033367
1393.390744				
PTPRA	PTPRA	6111.044142	6196.122241	5528.562823
4834.443664				
PRKCD	PRKCD	2151.809103	3562.694119	4471.421611
3318.494871				
RFTN2	RFTN2	3.51411394	5.07795627	22.32139383
7.542033798				
TMEM125	TMEM125	0	2.031182508	16.96425931
				0
ZNF333	ZNF333	514.2320066	562.6375547	1920.532725
1359.451592				
ALOX5	ALOX5	16.39919839	26.40537261	307.142379
95.2181767				
LINCR-0002	LINCR-0002	0	0	2.678567259
				0
DDX54	DDX54	4082.229027	5255.68474	5328.563134
4988.112603				
BCAS4	BCAS4	361.9537359	477.3278894	1038.391241
635.4163475				
ABT1	ABT1	5422.27781	7628.105909	6447.311393
5893.156659				
RGL4	RGL4	1277.966103	1150.664891	707.1417564
790.9707945				
SDR16C5	SDR16C5	0	1.015591254	0
				0
FAM171B	FAM171B	38.65525334	7.109138778	0
				9.427542247
CFAP58	CFAP58	26.94154021	15.23386881	4.464278765
1.885508449				
C8orf37	C8orf37	84.33873457	78.20052656	150.8926223
156.4972013				
MPP4	MPP4	1.171371313	0	0
			0	0
RNF13	RNF13	2732.809274	3258.016743	4033.029436
3779.501687				
CYP26C1	CYP26C1	0	0	4.464278765
				0
SNX12	SNX12	98.39519033	141.1671843	76.78559476
88.61889712				
MGC70870	MGC70870		679.3953618	611.3859349
890.1771858	597.7061785			
GDAP1	GDAP1	1440.786716	1759.004052	896.427176
790.9707945				
NUF2	NUF2	2756.236701	2599.91361	934.8199734
1383.020448				
MECOM	MECOM	4.685485254	5.07795627	0
				0
TMEM236	TMEM236	1.171371313	0	0.892855753
				0.942754225
LRRC16A	LRRC16A	260.0444316	451.9381081	524.9991828
318.650928				

IFI44	IFI44	2722.266932	1910.327149	7818.737829	
5439.691877					
ZNF563	ZNF563	247.1593471	277.2564124	873.2129265	
878.6469374					
UBXN2A	UBXN2A	945.29665	1186.210585	986.6056071	
993.6629528					
MIR3909	MIR3909	0	2.031182508	0	1.885508449
LINC00565	LINC00565		7.028227881	0	8.92855753
5.656525348					
RAB4A	RAB4A	1723.087202	1454.326676	1069.641192	
1233.122526					
MIR5193	MIR5193	420.5223015	387.955859	368.749426	
477.0336377					
P4HA2-AS1	P4HA2-AS1		78.481878	95.46557788	
29.46423985	64.10728728				
PAF1	PAF1	3722.618034	4926.633173	4616.064243	
3924.685837					
LINC00433	LINC00433		0	0	0.892855753
LINC00423	LINC00423		0	2.031182508	0
2.828262674					
NDFIP2-AS1	NDFIP2-AS1		7.028227881	12.18709505	
6.249990271	6.599279573				
LOC100506325	LOC100506325		91.36696245	48.74838019	
94.64270982	89.56165135				
C18orf61	C18orf61		1.171371313	1.015591254	
1.785711506	0				
CPE	CPE	55.05445173	70.07579653	0	0
DNAH2	DNAH2	1.171371313	4.062365016	4.464278765	
16.96957604					
ZBTB22	ZBTB22	9.370970508	0	0	12.25580492
CNBP	CNBP	26134.46537	34808.37464	46674.92735	
41255.86763					
C14orf28	C14orf28		131.1935871	139.1360018	
474.9992606	364.845885				
PUS3	PUS3	1075.318866	1091.760598	1163.391046	
1366.050872					
SLC39A1	SLC39A1	6850.179441	7515.37528	5253.563251	
5421.779546					
RMND1	RMND1	1063.605153	1556.901392	1264.283746	
1029.487613					
GTPBP10	GTPBP10	1037.834984	891.6891211	1566.068991	
1270.832695					
MIR4723	MIR4723	14.05645576	26.40537261	44.64278765	
23.56885562					
C1orf226	C1orf226		0	2.031182508	63.39275847
6.599279573					
CCDC168	CCDC168	22.25605496	24.3741901	106.2498346	
1.885508449					
MNAT1	MNAT1	1121.002347	1305.034761	714.2846024	
941.8114705					

CASQ1	CASQ1	0	1.015591254	16.07140355	13.19855915
AP1AR	AP1AR	1740.657772	1957.044347	3366.066189	
2857.488055					
QTRT1	QTRT1	1895.278785	1802.674476	1622.318903	
1992.039677					
ANKRD13C	ANKRD13C		3045.565415	3441.83876	
3430.351803	2942.335935				
DLEU7-AS1	DLEU7-AS1		1.171371313	0	4.464278765
8.484788022					
DENND5B-AS1	DENND5B-AS1	0	1.015591254	0.892855753	
0					
TMEM68	TMEM68	1325.992327	1170.976716	963.3913575	
1168.072484					
RNGTT	RNGTT	3126.390036	2708.581875	1948.211253	
2892.369961					
ZDHHC20	ZDHHC20	5334.424961	2976.697966	2370.532024	
3277.956439					
HUS1B	HUS1B	19.91331233	37.5768764	21.42853807	
13.19855915					
CCDC110	CCDC110	0	0	51.78563368	10.37029647
KIF25	KIF25	0	1.015591254	0.892855753	6.599279573
RRNAD1	RRNAD1	795.3611218	587.0117448	566.0705474	
496.8314764					
EIF1AX-AS1	EIF1AX-AS1		7.028227881	27.42096386	
31.24995136	7.542033798				
CENPA	CENPA	3058.450499	3181.847399	866.0700804	
1626.251038					
PTPRS	PTPRS	3.51411394	6.093547524	24.99996108	
13.19855915					
SMIM24	SMIM24	2.342742627	15.23386881	0	5.656525348
C19orf38	C19orf38		83.16736326	125.9333155	
44.64278765	47.13771124				
APBA1	APBA1	1265.081019	921.1412674	64.28561422	
76.3630922					
CENPC	CENPC	1841.395705	1622.914824	2932.138293	
2326.717427					
FAM78A	FAM78A	2701.182249	1445.186355	1358.926456	
1333.997228					
SEC14L2	SEC14L2	672.3671339	451.9381081	842.8558309	
645.7866439					
KLHL7	KLHL7	1409.15969	1686.897073	1901.782754	
1768.606926					
LOC341056	LOC341056		1.171371313	1.015591254	0
0.942754225					
JPX	JPX	291.6714571	466.1563856	560.7134129	
330.9067329					
MTRF1	MTRF1	1075.318866	816.5353683	834.8201291	
1070.968799					
ATP6V1H	ATP6V1H	2167.03693	2600.929202	3303.566286	
2498.298695					

PSENE	PSENE	1843.738447	2261.721723	1708.033056
1442.413964				
BCL7C	BCL7C	1801.56908	2666.942633	1646.426009
1481.066887				
HYAL4	HYAL4	0	0	13.19855915
ZNF836	ZNF836	260.0444316	298.5838287	804.4630335
603.3627038				
ADH1A	ADH1A	1.171371313	0	0
TMEM164	TMEM164	202.6472372	159.4478269	63.39275847
155.5544471				
ATP6V1A	ATP6V1A	5932.995703	6230.652344	3985.708082
4973.028535				
RNF146	RNF146	1404.474205	994.2638377	1816.068602
1552.716208				
DSG3	DSG3	0	0	10.71426904
ZNF318	ZNF318	720.3933578	694.6644178	808.9273122
1082.28185				
PIBF1	PIBF1	705.1655307	813.4885945	1420.533503
1492.379938				
TRAPPC8	TRAPPC8	4045.916517	2169.302919	2789.281372
3126.173009				
AXIN2	AXIN2	57.39719436	68.04461402	552.6777111
382.7582152				
COIL	COIL	1492.327053	1602.602999	1373.212148
1780.86273				
OVOL1	OVOL1	0	8.124730032	0
DENND2D	DENND2D	4386.785569	6031.596458	9.427542247
9367.205977				8946.414645
DPY19L1	DPY19L1	1027.292642	1142.540161	892.855753
1061.541257				
LOC100422556	LOC100422556		8.199599194	3.046773762
5.357134518	10.37029647			
HIAT1	HIAT1	7037.598851	7483.891951	8533.915287
7660.82083				
ZMYM3	ZMYM3	331.4980817	274.2096386	281.2495622
233.8030477				
TSHZ1	TSHZ1	217.8750643	215.3053459	513.392058
450.6365194				
CITED2	CITED2	675.8812479	479.3590719	758.9273901
469.4916039				
MT1X	MT1X	2249.032922	2164.224962	1466.069146
1726.182985				
H1FX	H1FX	5346.138675	3219.424275	4124.993579
3487.247877				
DNAAF3	DNAAF3	0	2.031182508	0
RAB11FIP3	RAB11FIP3		832.8450039	6.599279573
591.9633643	812.6541417			466.1563856
TNFSF13	TNFSF13	176.8770683	428.5795092	204.4639674
228.1465224				
GFOD1	GFOD1	664.1675347	494.5929407	528.5706058

480.8046546					
HOXA10-AS	HOXA10-AS	0	0	0	5.656525348
LINC00854	LINC00854	17.5705697		10.15591254	
49.99992217	17.91233027				
LINC00907	LINC00907	0	0	3.571423012	
0.942754225					
DHX32 DHX32	1940.962266	1921.498653		2202.675143	
2120.254251					
EP300 EP300	5192.689033	3248.876422		3419.637534	
3751.21906					
NTN1 NTN1	1.171371313	1.015591254		1.785711506	
4.713771124					
GDF15 GDF15	4.685485254	1.015591254		4.464278765	0
NAT14 NAT14	257.701689	167.5725569		91.96414256	
122.5580492					
BLACAT1 BLACAT1	0 0	0	9.427542247		
ARHGAP19-SLIT1	ARHGAP19-SLIT1	1959.704207		1740.723409	
921.4271371	1287.802271				
LOC100506469	LOC100506469	768.4195816		979.0299689	
1207.140978	1011.575283				
LING04 LING04	29.28428284	5.07795627		0	17.91233027
ETNK1 ETNK1	4566.00538	3406.293066		3402.673275	
4298.01651					
LOC101927132	LOC101927132	1.171371313		1.015591254	
0.892855753	0				
LOC101926892	LOC101926892	16.39919839		0	0
11.3130507					
TP63 TP63	206.1613512	33.51451138		1.785711506	
124.4435577					
CLCN3 CLCN3	2912.029085	2439.450192		2941.06685	
2630.284287					
RAB14 RAB14	8348.363351	7641.308595		6763.382329	
8112.400104					
FCGR2A FCGR2A	0 0	0	1.885508449		
PILRA PILRA	9.370970508	0	45.5356434	32.99639787	
RNF207 RNF207	379.5243056	226.4768497		132.1426514	
265.8566914					
MOK MOK	59.73993699	133.0424543		86.60700804	
32.99639787					
C15orf48	C15orf48	0	3.046773762	77.67845051	
31.11088942					
ANKEF1 ANKEF1	552.88726	587.0117448		533.0348846	
619.3895256					
RPP25 RPP25	753.1917546	1100.900919		931.2485504	
671.241008					
DUS2 DUS2	2421.224505	3251.923195		1757.140122	
1726.182985					
ADAT3 ADAT3	570.4578297	599.1988399		212.4996692	
329.0212244					
SAAL1 SAAL1	2196.321213	3071.147952		1532.140472	

1661.132944					
IP05	IP05	10632.53741	10153.88136	7631.238121	
8022.838452					
SPRYD3	SPRYD3	3120.533179	3645.972602	4318.743277	
4205.626596					
GALP	GALP	0	1.015591254	0	0
LOC101928069	LOC101928069		130.0222158	203.1182508	
205.3568232		145.1841506			
LOC102723895	LOC102723895	0	2.031182508	0	
3.771016899					
YPEL1	YPEL1	1199.484225	1152.696073	892.855753	
828.6809635					
SPTSSA	SPTSSA	2545.389864	1578.228809	1112.498268	
1008.74702					
MCM7	MCM7	39634.51976	52997.614	22389.25086	
27440.74722					
PCY0X1L	PCY0X1L	1832.024734	2945.214637	1555.354722	
1440.528455					
SMIM7	SMIM7	2797.234697	3183.878581	2534.817483	
2346.515265					
MRPS34	MRPS34	5266.485425	8511.6703	4491.064438	
4342.325959					
CHST5	CHST5	0	3.046773762	0	2.828262674
FAM46C	FAM46C	4789.737301	2639.521669	1508.033367	
2100.456413					
WDR55	WDR55	3182.615859	4110.097805	3339.280516	
3391.086946					
TMPRSS11E	TMPRSS11E		0	2.031182508	0
FAM84B	FAM84B	405.2944745	245.7730835	1677.67596	
1165.244222					
TCTE3	TCTE3	8.199599194	13.2026863	9.821413283	
11.3130507					
LRCH3	LRCH3	1970.246549	1838.22017	1985.711195	
2009.952007					
TRIM52	TRIM52	778.9619235	668.2590452	1599.997509	
1364.165363					
STIM2	STIM2	2674.240709	2665.927042	2768.74569	
3277.013685					
ZNF496	ZNF496	260.0444316	448.8913343	855.3558114	
577.9083398					
PYROXD2	PYROXD2	62.08267961	85.30966534	49.99992217	
98.9891936					
ACTA2-AS1	ACTA2-AS1		524.7743484	608.3391612	
933.9271177	700.466389				
MRPS31	MRPS31	1976.103406	2049.463151	1716.068757	
2142.880353					
SNORD116-6	SNORD116-6		1.171371313	0	1.785711506
0.942754225					
SNORD116-5	SNORD116-5		0	1.015591254	0.892855753
0					

FAM81A	FAM81A	28.11291152	90.38762161	0	20.74059294
ZNF417	ZNF417	339.6976809	289.4435074	646.4275652	
651.4431693					
C12orf66	C12orf66		408.8085884	532.1698171	
780.3559281	650.5004151				
RPLP1	RPLP1	27222.66932	26134.20974	32258.87836	
28474.00585					
B3GALNT2	B3GALNT2		1727.772687	1842.282535	
1649.997432	1363.222609				
CACTIN-AS1	CACTIN-AS1		821.1312907	922.1568587	
927.6771274	708.951177				
LINC00648	LINC00648		0	0.892855753	0
DYNLL1-AS1	DYNLL1-AS1		324.4698538	414.3612317	
269.6424374	209.2914379				
LOC643441	LOC643441		0	0.892855753	0
LUC7L3	LUC7L3	2654.327396	1923.529835	2936.602572	
3241.189025					
GTSE1	GTSE1	3812.813625	3981.117716	1116.069691	
1877.023661					
EEDP1	EEDP1	367.8105924	272.1784561	233.9282073	
109.3594901					
SERTAD2	SERTAD2	1082.347094	797.2391344	1657.140278	
1386.791465					
PIP5K1B	PIP5K1B	543.5162894	742.3972067	16.96425931	
174.4095316					
VBP1	VBP1	6597.163237	6283.463089	4538.385793	
5667.838399					
SRCAP	SRCAP	5278.199138	2761.39262	3637.494338	
4187.714266					
PPP2R2D	PPP2R2D	1656.319037	1846.3449	2289.282151	
1874.195399					
SERPINB6	SERPINB6		350.2400227	376.7843553	
2891.959784	2626.51327				
TMCC2	TMCC2	200.3044946	115.777403	164.2854586	
181.9515654					
ACAD9	ACAD9	3353.63607	3938.462883	1941.961263	
3058.294705					
ZNF286A	ZNF286A	619.6554248	668.2590452	681.2489396	
705.1801601					
ALKBH1	ALKBH1	1405.645576	1812.830388	1297.319409	
1330.226211					
CFD	CFD	78.481878	75.1537528	30.3570956	
32.05364364					
FNTB	FNTB	1197.141482	1403.547113	1074.998327	
1260.462398					
PSCA	PSCA	2.342742627	0	0	0
EPM2A	EPM2A	394.7521326	366.6284427	628.5704501	
356.3610969					
FGD6	FGD6	166.3347265	85.30966534	102.6784116	
42.42394011					

RSAD1	RSAD1	1361.133466	2190.630335	3289.280594
2906.511275				
MEP1B	MEP1B	2.342742627	1.015591254	0 0
GATA3	GATA3	4267.305695	7189.370487	3718.744211
3293.040507				
PPIB	PPIB	20633.70569	30522.57955	19211.57724
16942.23617				
SLC2A4	SLC2A4	0 0	0 9.427542247	
SI	SI	0 0	1.785711506	0
ECT2	ECT2	6087.616716	4799.684267	1433.926339
2517.15378				
PCDHGA7	PCDHGA7	1.171371313	15.23386881	26.78567259
13.19855915				
AN06	AN06	3184.958601	2218.051299	2282.139305
2824.491657				
TNFSF8	TNFSF8	4726.48325	6591.187239	8491.058211
5249.255523				
DI01	DI01	2.342742627	11.17150379	7.142846024
2.828262674				
PLA2G4F	PLA2G4F	0 0	0.892855753	0
PIN1	PIN1	4362.186771	5779.729827	3351.780497
3232.704237				
KCTD17	KCTD17	1068.290638	957.7025526	630.3561616
832.4519804				
ACVR2B	ACVR2B	134.707701	45.70160643	149.1069108
175.3522858				
ATM	ATM	2662.526995	929.2659975	2615.174501
2757.556107				
UROS	UROS	3001.053305	3864.324722	2567.853146
2773.582929				
TRIM64B	TRIM64B	0 0	2.678567259	0
KAL1	KAL1	0 0	2.678567259	0
TIMD4	TIMD4	194.447638	82.26289158	30.3570956
176.29504				
ZNF200	ZNF200	1574.323045	1639.164284	2402.674831
1810.088111				
SENP8	SENP8	124.1653592	186.8687907	172.3211603
230.9747851				
RETN	RETN	1.171371313	0 0	0
SLC31A2	SLC31A2	399.4376179	725.1321554	830.3558503
643.9011355				
ADCY5	ADCY5	5.856856567	5.07795627	21.42853807
10.37029647				
BTBD9	BTBD9	502.5182935	603.2612049	1130.355383
741.0048206				
EZR	EZR	35979.84126	51554.45883	26060.67372
25622.17432				
DMXL2	DMXL2	214.3609504	102.5747167	294.6423985
116.9015239				
TNFSF12	TNFSF12	694.6231889	1378.157332	652.6775555

736.2910495				
LHX4-AS1	LHX4-AS1		26.94154021	17.26505132
109.8212576	22.62610139			
SLX1B-SULT1A4	SLX1B-SULT1A4		130.0222158	102.5747167
159.8211798	119.7297865			
GMPS GMPS	7781.419635		8925.015941	5653.562628
6858.536985				
CAMKK1 CAMKK1	117.1371313		96.48116913	131.2497957
161.2109724				
NTAN1 NTAN1	2869.859718		3277.312977	1966.961224
2000.524465				
PLXND1 PLXND1	97.22381902		25.38978135	79.46416202
217.7762259				
ZNF644 ZNF644	3251.726766		2775.610897	3916.958189
3986.907616				
PELI3 PELI3	281.1291152		399.1273628	550.8919996
582.6221109				
HSF2 HSF2	1480.61334		1418.780982	2030.353982
2130.624548				
PARN PARN	6177.812307		6570.875414	4781.242557
6245.746739				
SULT1A3 SULT1A3	18.74194102		6.093547524	14.28569205
17.91233027				
TSSK2 TSSK2	30.45565415		25.38978135	86.60700804
44.30944856				
KIAA1377	KIAA1377		66.76816487	73.12257029
85.71415229	65.05004151			
ORAI1 ORAI1	5062.666817		7526.546784	5387.491614
5092.758322				
PPP1R9B PPP1R9B	284.6432292		73.12257029	55.35705669
84.84788022				
LBR LBR	33921.74187		32561.88679	17704.43673
19334.00364				
INHBE INHBE	3.51411394		4.062365016	7.142846024
1.885508449				
AGAP3 AGAP3	445.1210991		643.8848551	491.0706642
838.1085058				
LOC100996351	LOC100996351		534.1453189	647.9472201
173.2140161	329.9639787			
ART4 ART4	1.171371313		0 0	0
DNAJC25 DNAJC25	234.2742627		289.4435074	395.5350986
342.2197836				
ASTE1 ASTE1	1383.389521		1293.863258	1929.461282
1916.619339				
NOB1 NOB1	2790.206469		3683.549478	3243.744951
2927.251868				
MAP3K5 MAP3K5	4779.194959		4124.316083	2567.853146
3128.058518				
APOBEC3C	APOBEC3C		16214.12172	23416.48754
8005.344682	9763.162751			

PCM1	PCM1	6366.403089	4638.205257	6330.347289
6808.571011				
GRAMD1C	GRAMD1C	30.45565415	7.109138778	24.10710533
110.3022443				
STARD9	STARD9	113.6230174	85.30966534	116.9641036
129.1573288				
GPA33	GPA33	367.8105924	473.2655244	741.9631308
273.3987252				
GINS1	GINS1	3693.333751	2373.436761	983.0341841
1455.612523				
HIST1H2AD	HIST1H2AD		2065.127626	585.9961536
248.2138993	332.7922413			
HIST1H2AG	HIST1H2AG		163.9919839	207.1806158
83.03558503	66.93554995			
NSUN6	NSUN6	919.5264811	839.8939671	611.6061908
904.1013015				
MR1	MR1	2798.406068	3701.830121	4103.565041
3562.668215				
CHRNA6	CHRNA6	831.6736326	1763.066417	1006.248434
683.4968129				
PRMT2	PRMT2	6502.282161	8060.747783	10463.37657
8455.562641				
AAMP	AAMP	6364.060346	7919.580599	7524.095431
6534.229532				
AADAC	AADAC	0	1.785711506	0
MEGF10	MEGF10	12.88508445	0	4.464278765
STX10	STX10	2491.506784	2656.786721	1926.782715
1996.753448				
HERC3	HERC3	2052.242541	2406.951272	3384.81616
3443.881183				
RECQL5	RECQL5	1566.123446	1708.224489	1941.068407
1923.218618				
C9orf135	C9orf135		2.342742627	9.140321286
0.892855753	13.19855915			
ANK2	ANK2	1.171371313	17.26505132	8.92855753
18.85508449				
ZNF16	ZNF16	366.6392211	531.1542259	1053.569789
749.4896086				
PRSS3	PRSS3	0	3.571423012	0
SOX5	SOX5	8.199599194	0	10.37029647
EMILIN1	EMILIN1	137.0504437	142.1827756	207.1425347
132.9283457				
SOX12	SOX12	49.19759517	12.18709505	90.17843106
61.27902461				
LIN37	LIN37	647.7683363	785.0520394	1274.998015
912.5860895				
TULP4	TULP4	2581.702375	2031.182508	1882.139927
1756.351121				
SNRPA	SNRPA	5904.882791	6606.421108	3166.0665
3982.193845				

SMS	SMS	5672.951271	9632.883045	6366.061519
6001.573395				
FSTL1	FSTL1	0	6.093547524	0
11.3130507				
TRIO	TRIO	65.59679355	51.79515396	24.99996108
0.942754225				
DSG2	DSG2	234.2742627	67.02902277	15.1785478
74.47758375				
PPP1R3D	PPP1R3D	373.667449	308.7397412	483.9278181
510.9727898				
PPEF2	PPEF2	0	0	6.249990271
0.942754225				
RAC1	RAC1	10130.01912	11791.01446	7923.201952
9043.841278				
CCDC176	CCDC176	398.2662466	470.2187506	368.749426
515.6865609				
PRR11	PRR11	3719.10392	2655.771129	745.5345538
1341.539262				
RPS23	RPS23	12991.67924	13631.26581	14327.65627
14271.41345				
NOSIP	NOSIP	7947.754362	8880.329925	5952.669305
4898.550952				
TULP3	TULP3	586.857028	592.0897011	1093.748297
688.210584				
ZNF646	ZNF646	1137.401545	444.8289693	690.1774971
813.5968959				
H2AFZ	H2AFZ	38314.38429	47464.67285	25333.88914
26580.95537				
MCM8	MCM8	420.5223015	270.1472736	161.6068913
241.3450815				
FMNL3	FMNL3	1786.341253	1561.979349	1692.854508
1914.73383				
SDC3	SDC3	7.028227881	0	0
16.02682182				
FAM157B	FAM157B	0	0	1.785711506
0				
ARPC4	ARPC4	18491.26755	19260.68813	8960.700337
10662.55028				
BRMS1	BRMS1	4167.739133	6168.701277	4755.349741
4547.84638				
MB21D2	MB21D2	462.6916688	734.2724767	571.4276819
563.7670264				
GPR108	GPR108	5041.582133	6710.011416	6197.311782
5717.804373				
COL21A1	COL21A1	0	0	0.892855753
0				
TTC5	TTC5	2148.294989	2930.996359	1720.533036
1971.299084				
ZG16	ZG16	0	4.062365016	0
0				
C19orf25	C19orf25	1689.415571	1618.835155	1991.574449
2101.782443				
C16orf54	C16orf54	878.6469374	1049.548697	2637.490487
3487.494571				
TBC1D8B	TBC1D8B	29.28428284	17.26505132	93.74985407
30.16813519				

LRR57	LRR57	1338.877411	1346.674003	1301.783688	
1379.249431					
GTF2E2	GTF2E2	3238.841682	4525.474628	3055.352387	
3143.142585					
SSSCA1	SSSCA1	2184.6075	2922.871629	1955.354099	
1858.168577					
PSMD10	PSMD10	3025.652103	3469.259724	4163.386376	
3848.322745					
PSMD3	PSMD3	10542.34182	8730.02242	5949.097882	
5102.185864					
DMWD	DMWD	875.0143712	732.2412942	822.3201485	
642.015627					
LOC644762	LOC644762		1.171371313	0	0
ZNF84	ZNF84	14.05645576	10.15591254	33.03566286	0
19.79783872					
ABCA7	ABCA7	1409.15969	612.4015262	925.8914159	
1064.36952					
ASCC2	ASCC2	6156.727624	8887.439064	6185.704657	
5665.952891					
RSAD2	RSAD2	2058.099398	3595.193039	19494.61251	
8480.074251					
ABI3BP	ABI3BP	10.54234182	10.15591254	3.571423012	
24.51160984					
ZNF324B	ZNF324B	180.3911823	103.5903079	156.2497568	
98.9891936					
ZNF662	ZNF662	4.685485254	3.046773762	48.21421066	
15.0840676					
CPSF4L	CPSF4L	122.9939879	137.1048193	111.6069691	
103.7029647					
WDR47	WDR47	1325.992327	1735.645453	2304.460699	
1885.508449					
NME2	NME2	11181.91056	14691.54308	7942.844779	
8998.589075					
FAM205A	FAM205A	0	0.892855753	0	
CCDC58	CCDC58	322.1271112	906.9229899	792.8559087	
251.715378					
IGBP1	IGBP1	1697.317033	2123.601312	1803.568621	
1949.615737					
OTP	OTP	0	0.942754225		
TRMT13	TRMT13	980.4377894	878.4864348	1270.533737	
1211.439179					
PLL2	PLL2	2.342742627	13.2026863	113.3926806	
40.53843166					
ZNF589	ZNF589	1133.887431	999.341794	1352.676466	
1425.444388					
EHMT1	EHMT1	4200.53753	4412.743999	3252.673508	
3798.356771					
UTP20	UTP20	2883.916174	1712.286854	1698.211642	
2037.29188					
AMER2	AMER2	0	5.357134518	0	

CTHRC1	CTHRC1	216.703693	243.741901	27.67852834	
31.11088942					
C11orf63	C11orf63		72.62502143	191.946747	
431.2493287	269.6277083				
LIPI	LIPI	2.342742627	1.015591254	0	0
MUSTN1	MUSTN1	59.73993699	50.7795627	32.14280711	
63.16453306					
SYT6	SYT6	0	0	9.821413283	0
GMPPA	GMPPA	2965.912166	3970.961803	3136.60226	
2553.921195					
PHLPP1	PHLPP1	336.183567	342.2542526	228.5710728	
163.0964809					
COQ10A	COQ10A	286.9859718	385.9246765	413.3922137	
466.6633412					
CTRB2	CTRB2	0	1.015591254	0	0
HLA-DQB2	HLA-DQB2	0	0	5.07795627	0.892855753
0.942754225					
GTF2H2C_2	GTF2H2C_2		732.1070709	887.626756	
674.1060935	955.9527839				
PI4KAP2	PI4KAP2	281.1291152	183.822017	410.7136464	
406.3270709					
SRRD	SRRD	1898.792899	2588.742107	1835.711428	
1876.080907					
SAA1	SAA1	1.171371313	0	0	6.599279573
EIF3D	EIF3D	10548.19868	15565.96715	12153.55251	
12217.152					
CAT	CAT	4013.11812	7091.873727	3729.45848	
2649.139371					
CHCHD10	CHCHD10	441.6069852	182.8064257	149.9997665	
210.2341921					
DHX35	DHX35	1144.429773	1142.540161	1318.747947	
1204.839899					
MIR4435-2	MIR4435-2		5.856856567	3.046773762	0
10.37029647					
MIR4436A	MIR4436A		0	0	0.892855753
LOC100128233	LOC100128233		0	1.015591254	0
EMBP1	EMBP1	166.3347265	208.1962071	270.5352932	
189.4935992					
GIPC3	GIPC3	65.59679355	29.45214637	30.3570956	
12.25580492					
SNORA30	SNORA30	1.171371313	0	0.892855753	1.885508449
SNHG7	SNHG7	208.5040938	240.6951272	469.6421261	
297.910335					
CCL27	CCL27	1.171371313	4.062365016	0.892855753	
1.885508449					
CFAP20	CFAP20	3389.948581	4665.626221	4127.672146	
3721.993679					
WDTC1	WDTC1	700.4800454	259.991361	405.3565119	
404.4415624					
PCDHB1	PCDHB1	1.171371313	0	0.892855753	0

TBC1D13	TBC1D13	2655.498768	3205.205998	3838.386882
2877.285894				
PRPF39	PRPF39	2026.472372	1437.061624	2466.06759
2272.980436				
RHEB	RHEB	3589.081704	4212.672522	4993.742227
4401.719475				
UBE20	UBE20	3044.394044	3069.11677	3234.816393
2730.216235				
NUCKS1	NUCKS1	2673.069337	957.7025526	1029.462683
1461.269048				
INF2	INF2	937.0970508	1382.219697	408.0350791
550.5684672				
ETV3L	ETV3L	1.171371313	0	0
RBP1	RBP1	0	13.2026863	0.892855753
CARNS1	CARNS1	17.5705697	23.35859884	65.17846997
99.93194782				
SNX3	SNX3	6184.840535	7674.823107	7713.38085
7013.148678				
CACNA1B	CACNA1B	3.51411394	0	0
GMPPB	GMPPB	4288.390379	5675.123928	3313.387699
3246.84555				
HEATR6	HEATR6	1484.127454	1479.716457	1177.676738
1663.018452				
CDC26	CDC26	1416.187918	1504.090647	1743.747286
1660.19019				
FAM161B	FAM161B	304.5565415	360.5348952	591.0705085
595.82067				
HCG27	HCG27	4.685485254	16.24946006	48.21421066
2.828262674				
PUM2	PUM2	4487.523502	2877.170023	2801.781353
3710.680628				
SPRED1	SPRED1	4.685485254	6.093547524	20.53568232
8.484788022				
SYNE3	SYNE3	889.0708269	935.359545	264.2853029
378.9871983				
PPID	PPID	4131.426623	4533.599358	4333.028969
4761.851589				
TBX19	TBX19	38.65525334	63.98224901	207.1425347
131.9855915				
C22orf24	C22orf24		25.7701689	60.93547524
55.35705669	15.0840676			
CYP2S1	CYP2S1	2.342742627	64.99784026	22.32139383
50.90872813				
HVCN1	HVCN1	520.0888632	704.8203303	458.9278571
461.0068159				
GOLGA6A	GOLGA6A	0	1.015591254	0
HACE1	HACE1	1238.139478	1289.800893	1.885508449
933.3266825				819.6415813
SDR39U1	SDR39U1	2722.266932	2275.94	3595.530117
MFF	MFF	4402.013396	4738.748791	3502.331945
				4558.028619

4978.685061					
GAPDHS	GAPDHS	128.8508445	60.93547524	160.7140355	
149.8979217					
FAM117B	FAM117B	402.9517318	345.3010264	1769.640103	
1380.192185					
UBL3	UBL3	1836.71022	1238.005739	1722.318748	
1696.957604					
DUOX1	DUOX1	59.73993699	32.49892013	90.17843106	
92.38991402					
ZNF440	ZNF440	344.3831662	361.5504864	319.6423596	
620.3322799					
CEP89	CEP89	626.6836527	659.1187239	437.499319	
559.9960095					
RRP9	RRP9	2553.589463	4000.41395	3086.602338	
3096.947628					
CAMK1	CAMK1	2554.760835	1695.021803	877.6772052	
2004.295482					
APOL2	APOL2	5321.539877	6292.60341	8115.165939	
8773.270815					
FAM156B	FAM156B	89.02421982	152.3386881	81.24987353	
97.10368515					
ANKRD12	ANKRD12	3464.916345	2739.049612	8838.379099	
9587.810465					
SPATA13	SPATA13	7296.471912	6268.22922	11673.19612	
10873.72723					
GRIP1	GRIP1	26.94154021	11.17150379	91.96414256	
131.0428372					
VAPA	VAPA	10937.09395	14999.26723	11198.19685	
10050.70279					
GSKIP	GSKIP	3249.384024	3639.879055	3331.244815	
3230.818728					
CACNA1I	CACNA1I	58.56856567	9.140321286	180.3568621	
174.4095316					
NTRK1	NTRK1	128.8508445	253.8978135	227.678217	
499.6597391					
ZNF600	ZNF600	759.0486111	725.1321554	2008.925444	
1573.456801					
ADAM20P1	ADAM20P1		3.51411394	3.046773762	0
0					
LOC440040	LOC440040		0	0.892855753	0
LOC642852	LOC642852		148.7641568	91.40321286	
75.89273901	123.5008034				
CASC2	CASC2	9.370970508	17.26505132	14.28569205	
23.56885562					
SPESP1	SPESP1	63.25405093	12.18709505	24.99996108	
32.99639787					
RBM17	RBM17	8568.581158	11227.36131	7158.917428	
7074.427702					
PSMG4	PSMG4	691.1090749	905.9073986	815.1773025	
682.5540587					

HIGD1C	HIGD1C	2.342742627	0	0	0
SPINK9	SPINK9	0	0	3.571423012	0
LINC00641	LINC00641		46.85485254		45.70160643
41.96422039	49.96597391				
KCNQ10T1	KCNQ10T1		140.5645576		142.1827756
224.106794	343.1625378				
C4orf29	C4orf29	1008.550701	1070.433182		912.4985796
760.8026593					
S100A13	S100A13	297.5283136	317.8800625		337.4994746
272.4559709					
C7orf55	C7orf55	773.1050669	1126.290701		900.8914548
716.4932108					
PTPN12	PTPN12	174.5343257	99.5279429		117.8569594
123.5008034					
ARL17B	ARL17B	81.99599194	98.51235164		89.2855753
105.5884732					
ZNF843	ZNF843	0	2.031182508	3.571423012	0
POR	POR	3264.611851	4463.523562		4536.600081
3935.056134					
LMTK3	LMTK3	0	1.015591254	16.07140355	9.427542247
FAM21EP	FAM21EP	17.5705697	18.28064257		33.92851862
18.85508449					
LOC100505736	LOC100505736		30.45565415		4.062365016
5.357134518	23.56885562				
CAGE1	CAGE1	28.11291152	19.29623383		20.53568232
6.599279573					
NAA35	NAA35	2186.950242	2406.951272		2017.854002
1786.519256					
ACSM2A	ACSM2A	1.171371313	0	3.571423012	0
USP22	USP22	5788.917031	4117.206944		4868.742421
3060.180213					
SERP1	SERP1	10828.15642	12378.0262		13517.8361
12528.26089					
TXNDC2	TXNDC2	4.685485254	0	0	0
LEAP2	LEAP2	89.02421982	49.76397145		137.499786
90.50440557					
SH3RF2	SH3RF2	44.51210991	34.53010264		0
AHI1	AHI1	1508.726252	1190.27295		19.79783872
855.0780818					834.8201291
GHDC	GHDC	880.8712277	700.7579653		750.8916883
741.0048206					
SQLE	SQLE	1950.333237	2685.223276		2592.853107
2424.763866					
C20orf96	C20orf96		118.3085027		80.23170907
30.3570956	64.10728728				
PCBP1	PCBP1	10795.35802	7021.797931		6699.096715
6687.89847					
TOMM20	TOMM20	3076.021069	3053.882901		3808.029787
2934.793902					
LPPR1	LPPR1	0	0	4.464278765	0

CHRNA1	CHRNA1	556.4013739	744.4283892	836.6058406
675.0120249				
SNAP23	SNAP23	7794.30472	7470.689265	5439.277247
6603.993344				
ZP1	ZP1	3.51411394	4.062365016	8.92855753
0.942754225				
TMEM150B	TMEM150B		15.22782708	5.07795627
3.571423012	0			
JAKMIP2-AS1	JAKMIP2-AS1		39.82662466	42.65483267
2.678567259	44.30944856			
RFPL3S	RFPL3S	1.171371313	4.062365016	22.32139383
13.19855915				
C21orf67	C21orf67		212.0182077	287.4123249
270.5352932	247.0016069			
DUXAP10	DUXAP10	1.171371313	42.65483267	22.32139383
0.942754225				
SNORA11B	SNORA11B		4.685485254	3.046773762
2.678567259	3.771016899			
SNORD11B	SNORD11B		11.71371313	0
	3.771016899			0.892855753
SUSD4	SUSD4	25.7701689	107.6526729	105.3569789
98.9891936				
KLF16	KLF16	209.6754651	56.87311023	81.24987353
75.42033798				
NFAT5	NFAT5	1903.478384	1687.912664	2546.424608
2194.731835				
REEP1	REEP1	0	10.15591254	0
				19.79783872
EPB41L5	EPB41L5	446.2924704	497.6397145	672.320382
429.8959265				
STX1A	STX1A	105.4234182	151.3230969	198.2139772
153.6689386				
WASF2	WASF2	4803.793757	2395.779768	2826.781314
2946.106952				
PYCARD	PYCARD	2025.301001	3203.174815	539.2848748
778.7149896				
SLC2A12	SLC2A12	49.19759517	43.67042392	115.1783921
120.6725408				
PIGM	PIGM	741.4780414	810.4418207	1422.319215
1152.988417				
DGCR10	DGCR10	3.51411394	0	0.892855753
				0
SNORD111B	SNORD111B		1.171371313	0
				2.678567259
				0
POU6F1	POU6F1	33.96976809	11.17150379	268.7495817
286.5972843				
MIR99AHG	MIR99AHG		1.171371313	0
				9.821413283
	8.484788022			
MIR3613	MIR3613	1.171371313	0	0
				0
MIR3609	MIR3609	1.171371313	0	4.464278765
				0
SDHAP1	SDHAP1	1419.702032	733.2568854	1499.104809
1558.372733				

FAM86B3P	FAM86B3P	94.88107639	17.26505132
71.42846024	119.7297865		
LINC01000	LINC01000	380.6956769	145.2295493
441.070742	501.5452475		
LOC100288842	LOC100288842	94.88107639	75.1537528
55.35705669	60.33627038		
RNF19A RNF19A	4967.78574	3694.720982	4472.314467
6626.619446			
MGC57346	MGC57346	339.6976809	457.0160643
485.7135296	431.7814349		
CISD2 CISD2	3307.952589	3723.157537	2361.603467
2552.978441			
MRI1 MRI1	1643.433953	1514.24656	823.2130043
1356.623329			
SLC9A2 SLC9A2	0 0	1.785711506	2.828262674
LOC100507462	LOC100507462	30.45565415	34.53010264
45.5356434	56.56525348		
DOPEY1 DOPEY1	678.2239905	432.6418742	876.7843495
687.2678298			
DLEU1 DLEU1	719.2219865	823.644507	533.0348846
568.4807975			
LOC101927722	LOC101927722	28.11291152	5.07795627
1.785711506	36.76741476		
TBC1D23 TBC1D23	2648.47054	2654.755538	3137.495116
2905.568521			
OTUB1 OTUB1	9399.083419	11916.94778	7569.631074
7626.881678			
LINC00998	LINC00998	1350.591124	1231.912191
1269.640881	1594.197394		
ATG7 ATG7	2899.144001	3044.74258	2195.532297
2423.821112			
LOC407835	LOC407835	4.685485254	4.062365016
1.785711506	2.828262674		
SPAG17 SPAG17	241.3024906	343.2698439	368.749426
393.1285117			
LITAF LITAF	14547.26034	13212.84222	11174.08975
12689.47186			
RRBP1 RRBP1	1990.159862	1596.509451	1154.462489
1089.823884			
PIGU PIGU	1891.764671	2325.703972	1620.533192
1616.823495			
WFDC3 WFDC3	1.171371313	2.031182508	0 1.885508449
COLCA1 COLCA1	0 0	0 5.656525348	
PSMD1 PSMD1	18883.67694	24401.61106	13254.44365
15460.22653			
GS1-24F4.2	GS1-24F4.2	1.171371313	0 0
3.771016899			
LOC100652768	LOC100652768	107.7661608	74.13816155
206.249679	207.4059294		
NAPRT NAPRT	2470.4221	1843.298126	1304.462255

2411.565307					
PLS3	PLS3	730.9356996	119.839768	0	115.0160154
HSF5	HSF5	338.5263096	382.8779028		421.4279154
540.1981708					
LOC202181	LOC202181		343.2117948		257.9601785
480.3563951		569.4235517			
GFPT1	GFPT1	3389.948581	4275.63918		4828.563912
4216.939647					
P2RY11	P2RY11	1761.742455	1815.877162		1514.283357
1416.016846					
BTG2	BTG2	6391.001886	4823.042865		11492.83925
13583.20287					
YWHAE	YWHAE	14993.55281	15478.6263		7858.023482
9976.225206					
SCAI	SCAI	479.0908672	296.5526462		404.4636561
421.4111384					
CRB2	CRB2	25.7701689	11.17150379		24.99996108
25.45436407					
TNKS1BP1	TNKS1BP1		330.3267104		202.1026596
477.6778279		374.2734272			
DTWD2	DTWD2	176.8770683	90.38762161		159.8211798
119.7297865					
DOK7	DOK7	0	23.21424958		0.942754225
INA	INA	76.13913537	83.27848283		89.2855753
104.6457189					
FTCDNL1	FTCDNL1	28.11291152	35.54569389		46.42849916
54.67974503					
CRNDE	CRNDE	57.39719436	30.46773762		8.035701777
75.42033798					
RIC3	RIC3	96.0524477	67.02902277		249.1067551
217.7762259					
ZNF724P	ZNF724P	76.13913537	88.3564391		91.96414256
86.73338867					
FCGR1B	FCGR1B	0	0	4.713771124	
DFNB59	DFNB59	24.59879758	9.140321286		83.92844078
16.02682182					
ABHD16B	ABHD16B	202.6472372	107.6526729		133.928363
129.1573288					
ORC2	ORC2	1878.879587	1838.22017		1689.283085
2095.742642					
PIAS1	PIAS1	4669.086055	5400.914289		6275.883088
6250.46051					
MRT04	MRT04	3920.579786	5583.720715		4366.957488
4124.549733					
HAS2	HAS2	0	2.031182508	0	0
H3F3B	H3F3B	66885.302	79730.00699		76771.30907
60962.25919					
TRAPPC12	TRAPPC12		1618.835155		1632.055145
1237.498074		1162.415959			
BNIPL	BNIPL	11.71371313	10.15591254		49.10706642

45.25220279						
ATXN1L ATXN1L	573.9719436	217.3365284	407.1422234			
364.845885						
ZNF860 ZNF860	19.91331233	2.031182508	0.892855753			0
GRWD1 GRWD1	5957.5945	9818.736244	7932.13051			
6409.785974						
BEX5 BEX5	52.71170911	155.3854619	337.4994746			
133.8710999						
IVD IVD	3182.615859	3837.919349	2653.567298			
2799.037293						
NUP210L NUP210L	21.08468364	11.17150379	40.17850889			
18.85508449						
ALPK2 ALPK2	80.82462063	23.35859884	21.42853807			
75.42033798						
PPP1R36 PPP1R36	9.370970508	13.2026863	1.785711506			
0.942754225						
CACNA2D4 CACNA2D4		201.4758659	145.2295493			
116.9641036	221.5472428					
TNFSF12-TNFSF13 TNFSF12-TNFSF13	576.3146862	1315.190674				
583.9276625	681.6113045					
C6orf226 C6orf226		352.5827654	254.9134048			
222.3210825	328.0784702					
LOC102724224 LOC102724224		2.342742627	0	0		0
PCMTD2 PCMTD2	1746.514628	1598.540634	2678.567259			
2843.346742						
SLC35B4 SLC35B4	2075.669967	2389.686221	1680.354527			
1603.624936						
ZNF382 ZNF382	370.1533351	278.2720036	459.8207128			
537.3699081						
PDGFRL PDGFRL	0	2.031182508	31.24995136	0		
MIR4655 MIR4655	2.342742627	0	0	2.828262674		
MIR4663 MIR4663	4.685485254	0	2.678567259	0.942754225		
MIR4653 MIR4653	1.171371313	0	0.892855753	0		
MIR4651 MIR4651	0	0	3.571423012	0		
MIR4650-2 MIR4650-2		1.171371313	3.046773762			0
1.885508449						
NEBL-AS1 NEBL-AS1		0	0	0.892855753		0
LOC100287042 LOC100287042		1562.609332	2262.737314			
1517.85478	1518.777056					
FAR2P2 FAR2P2	1.171371313	0	0	1.885508449		
NDUFAF4P1 NDUFAF4P1		24.59879758	2.031182508			
35.71423012	32.05364364					
LOC339803 LOC339803		289.3287144	494.5929407			
344.6423207	171.5812689					
SLC9A9-AS1 SLC9A9-AS1		1.171371313	0	0		0
TM4SF19-TCTEX1D2 TM4SF19-TCTEX1D2			427.5505294			
420.4547792	252.6781781	280.940759				
LINC00920 LINC00920		178.0484396	66.01343151			
86.60700804	302.6241061					
LOC100506100 LOC100506100		848.0728309	832.7848283			

261.6067356		386.5292321			
RBBP5	RBBP5	3331.380015	2421.16955		3764.279855
3725.764696					
YBX3	YBX3	2709.381848	2979.744739		1436.604907
1514.063285					
DDO	DDO	7.028227881	0	0	0
SMUG1	SMUG1	1418.530661	1915.405105		1420.533503
1068.140537					
C5orf56	C5orf56	667.6816487	760.6778493		2328.567804
1571.571293					
CNOT10	CNOT10	3242.355796	4191.345105		3805.351219
4063.270709					
KIAA1549	KIAA1549		33.96976809		16.24946006
55.35705669		40.53843166			
TPCN2	TPCN2	1143.258402	1103.947693		607.1419121
772.11571					
CAMK1G	CAMK1G	0	0	1.785711506	0
NRIP3	NRIP3	44.51210991	86.32525659		229.4639285
98.04643937					
ZNF527	ZNF527	278.7863726	235.6171709		516.963481
417.6401215					
SPIRE2	SPIRE2	46.85485254	37.5768764		11.60712479
3.771016899					
VIMP	VIMP	2245.518808	3406.293066		3003.566753
2568.062508					
YRDC	YRDC	3222.442483	4448.289693		3200.887875
3242.131779					
GJD4	GJD4	0	0	0	0.942754225
ZCCHC24	ZCCHC24	87.85284851	50.7795627		146.4283435
89.56165135					
FLT3	FLT3	0	1.015591254	0	25.45436407
CLIC6	CLIC6	17.5705697	13.2026863		2.678567259
50.90872813					
GLMN	GLMN	1829.681992	1871.734681		1299.105121
1297.229813					
HEXDC	HEXDC	1104.603149	988.1702902		1234.819506
1263.290661					
FAM196A	FAM196A	0	1.015591254	0.892855753	0
EML6	EML6	9.370970508	18.28064257		14.28569205
21.68334717					
EML1	EML1	2.342742627	4.062365016		41.07136464
48.08046546					
FAM224B	FAM224B	1.171371313	0	0	3.771016899
SNHG5	SNHG5	3768.301515	434.6730567		1317.855091
3981.251091					
RRS1	RRS1	1167.8572	1342.611638		1032.141251
1267.061678					
PHGDH	PHGDH	3235.327568	2343.984614		1991.961185
1789.347519					
PLK2	PLK2	261.2158029	115.777403		377.6779835

267.7421998					
JMJD6	JMJD6	3774.158372	4967.256824	4525.885812	
3848.322745					
ADPRM	ADPRM	672.3671339	705.8359216	1323.212226	
971.0368515					
EIF5A2	EIF5A2	1170.199942	855.1278359	945.5342425	
833.3947346					
MEGF11	MEGF11	10.54234182	13.2026863	0	16.96957604
ARIH20S	ARIH20S	614.9699396	752.5531193	883.0343397	
681.6113045					
C16orf92	C16orf92		3.51411394	1.015591254	
0.892855753	0.942754225				
ZNF862	ZNF862	643.0828511	366.6284427	723.21316	
727.8062615					
GEN1	GEN1	1761.742455	1061.29286	760.7131016	
978.5788853					
NANOS1	NANOS1	126.5081019	94.44998663	91.07128681	
76.3630922					
DRD2	DRD2	9.370970508	10.15591254	0	0.942754225
GMIP	GMIP	8843.853417	9502.887364	4626.778512	
6071.337207					
EXOC2	EXOC2	6663.931402	6428.692638	7403.559904	
7903.108666					
AK8	AK8	14.05645576	43.67042392	6.249990271	
21.68334717					
THUMPD3	THUMPD3	2504.391868	2770.532941	1736.60444	
2687.792295					
ITGB4	ITGB4	23.42742627	40.62365016	29.46423985	
6.599279573					
TTC21A	TTC21A	180.3911823	128.9800893	74.1070275	
106.5312274					
ANKRD44	ANKRD44	10144.07557	7788.569327	5761.598174	
7434.559816					
KDELC2	KDELC2	2121.353449	1378.157332	1515.176213	
2059.917981					
SLC6A4	SLC6A4	5.856856567	0	0	1.885508449
SEPT7-AS1	SEPT7-AS1		10.54234182	19.29623383	
30.3570956	18.85508449				
LINC01187	LINC01187		0	3.046773762	4.464278765
0					
MMP23B	MMP23B	2.342742627	0	0.892855753	2.828262674
PCSK7	PCSK7	7172.306552	7484.907542	5825.883789	
7608.969348					
GPX6	GPX6	0	1.015591254	0	0
GJA5	GJA5	0	0	15.1785478	1.885508449
GFI1	GFI1	4476.98116	4233.999938	4458.028775	
6337.193899					
MIR6771	MIR6771	2.342742627	1.015591254	2.678567259	
4.713771124					
ANPEP	ANPEP	84.33873457	310.7709237	18.74997081	

15.0840676				
GART	GART	14209.9054	16637.41592	12154.44537
14984.13565				
ANXA7	ANXA7	17248.44259	21753.96466	16785.68816
16970.5188				
DHX30	DHX30	11857.79181	14161.40445	9635.699287
10777.5663				
PNPLA2	PNPLA2	1972.589292	1380.188514	2057.139655
1655.476419				
C12orf5	C12orf5	2546.561235	3970.961803	2822.317035
2289.950012				
GPR84	GPR84	3.51411394	3.046773762	42.85707615
4.713771124				
PARP11	PARP11	588.0283994	348.3478001	1325.890793
1186.927569				
B9D2	B9D2	658.3106782	832.7848283	575.8919607
449.6937652				
ARHGAP39	ARHGAP39		1.171371313	7.109138778
1.785711506	6.599279573			
XPR1	XPR1	1862.480388	930.2815887	1263.390891
877.7041832				
TMEM63C	TMEM63C	0	1.015591254	0
ATP10D	ATP10D	549.373146	456.0004731	446.4278765
272.4559709				
TMEM160	TMEM160	2537.190265	3300.671576	1801.78291
1463.154557				
C1orf109	C1orf109		911.3268819	1222.77187
1749.997276	1517.834302			
MLLT1	MLLT1	360.7823645	184.8376082	211.6068135
197.9783872				
MTMR1	MTMR1	3340.750986	2176.412057	1950.88982
2229.613741				
NAPA	NAPA	7720.508327	10080.75879	14328.54912
8910.912932				
DNAJC16	DNAJC16	1267.423761	1083.635868	1504.461944
1350.966804				
ZNF880	ZNF880	351.411394	760.6778493	1488.39054
954.0672754				
PRDM2	PRDM2	3242.355796	2525.775449	3512.494532
3625.832748				
PDLIM4	PDLIM4	91.36696245	86.32525659	158.0354683
252.6581322				
C3orf18	C3orf18	654.7965642	1206.52241	1215.17668
1000.262232				
CALCR	CALCR	0	0.892855753	0
ANKRD65	ANKRD65	1.171371313	0	6.599279573
C12orf75	C12orf75		15412.90374	16148.91653
1878.568504	3816.269102			
CLU	CLU	557.5727452	71.09138778	73.21417175
242.2878358				

LSM1	LSM1	3030.337588	3925.260197	2729.460037	
2609.543694					
LOC100507472	LOC100507472		1.171371313	25.38978135	
5.357134518	0				
IDH1-AS1	IDH1-AS1		30.45565415	33.51451138	
13.3928363	28.28262674				
LOC374443	LOC374443		1726.601316	1468.544953	
2420.531946	1944.901966				
MATK	MATK	147.5927855	232.5703972	364.2851472	
581.6793566					
ACHE	ACHE	3.51411394	0	0	7.542033798
GNA12	GNA12	3802.271283	4716.405784	3186.602183	
3387.315929					
ARL4C	ARL4C	21740.65158	30525.62632	10771.4118	
12079.50988					
BLOC1S2	BLOC1S2	3979.148352	4949.991772	4682.135569	
3868.120584					
CSNK1A1L	CSNK1A1L		0	0	1.785711506
0.942754225					
MIR4767	MIR4767	2.342742627	21.32741634	11.60712479	
5.656525348					
MIR4766	MIR4766	0	1.015591254	0	2.828262674
FAM45B	FAM45B	3409.861893	4252.280581	1571.426125	
2009.009253					
LINC00159	LINC00159		0	1.015591254	0
ACTR2	ACTR2	38293.29961	25053.62065	15724.08267	0
18876.76784					
MIR6804	MIR6804	64.42542224	62.96665775	28.5713841	
29.22538097					
MIR6803	MIR6803	9.370970508	12.18709505	17.85711506	
6.599279573					
MIR6801	MIR6801	10.54234182	7.109138778	8.92855753	
4.713771124					
MIR6802	MIR6802	74.96776406	69.06020528	64.28561422	
48.08046546					
MIR6800	MIR6800	158.1351273	161.4790094	83.92844078	
98.9891936					
MIR6799	MIR6799	2.342742627	0	4.464278765	0.942754225
MIR6798	MIR6798	19.91331233	54.84192772	28.5713841	
23.56885562					
MIR6797	MIR6797	19.91331233	23.35859884	57.14276819	
18.85508449					
MIR6796	MIR6796	22.25605496	18.28064257	13.3928363	
13.19855915					
MIR6793	MIR6793	0	7.109138778	1.785711506	0
MIR6791	MIR6791	12.88508445	24.3741901	30.3570956	
16.96957604					
MIR6792	MIR6792	0	0	0	0.942754225
MIR6790	MIR6790	12.88508445	16.24946006	21.42853807	
15.0840676					

MIR6789	MIR6789	499.0041795	721.0697904	460.7135686
430.8386807				
MIR6787	MIR6787	1.171371313	0	0
MIR6786	MIR6786	7.028227881	4.062365016	1.785711506
0.942754225				
MIR6785	MIR6785	14.05645576	2.031182508	11.60712479
6.599279573				
UQCC2	UQCC2	3319.666302	3649.019376	1752.675843
2105.170184				
CAMK2N2	CAMK2N2	1.171371313	13.2026863	8.035701777
3.771016899				
DGCR6L	DGCR6L	2887.430288	3866.355904	4063.386532
3076.207035				
JMY	JMY	616.1413109	504.7488533	1091.962586
960.666555				
TMEM237	TMEM237	1390.417749	1987.512084	615.1776138
822.081684				
UBR3	UBR3	2028.815115	1341.596047	1200.890988
1541.403157				
FAM192A	FAM192A	5368.39473	6467.285106	3490.173139
4304.61579				
TMEM156	TMEM156	1311.935871	1505.106239	650.891844
1049.285452				
GBA2	GBA2	4132.597994	4363.995619	4577.671446
3960.510498				
MBOAT2	MBOAT2	360.7823645	147.2607318	258.0353126
240.4023273				
ZNF215	ZNF215	140.5645576	273.1940473	46.42849916
104.6457189				
WNT1	WNT1	4.685485254	12.18709505	42.85707615
15.0840676				
PSD	PSD	98.39519033	59.91988399	194.6425542
120.6725408				
FLNA	FLNA	137530.7059	50553.08585	32296.3783
32997.34062				
AGPAT3	AGPAT3	5514.816144	4599.61279	2874.995525
3293.983261				
SCAF11	SCAF11	7387.838874	6548.532406	8430.34402
9578.382923				
PRCP	PRCP	2810.119781	2870.060884	2707.138643
2139.109336				
DDX1	DDX1	8963.333291	11226.34572	7364.274251
8315.092262				
DAPK1	DAPK1	933.5829368	242.7263097	120.5355267
138.584871				
CTNS	CTNS	1249.853191	2065.712611	1697.318787
1218.981213				
CDKN2B	CDKN2B	303.3851702	1794.549746	208.0353905
130.100083				
ACSL5	ACSL5	9201.121667	10181.30232	6129.454745

7174.35965					
GATA1	GATA1	1.171371313	0	1.785711506	2.828262674
DERL2	DERL2	3035.023073	3725.18872	3102.673742	
2746.243057					
MIB1	MIB1	3289.210648	2755.299072	1541.06903	
2741.529285					
GLYR1	GLYR1	6419.114798	4747.889113	4533.921514	
5029.593789					
ADAMTS16	ADAMTS16		4.685485254	0	0.892855753
	13.19855915				
ALG8	ALG8	4452.382362	4694.062776	2569.638857	
3453.308725					
NOP56	NOP56	10610.28136	13964.37974	14073.19238	
13115.59677					
LOC100506076	LOC100506076		7.028227881	12.18709505	
3.571423012	3.771016899				
LOC100128568	LOC100128568		30.45565415	22.34300759	
24.99996108	10.37029647				
WDR1	WDR1	54678.44154	68937.31873	30366.91702	
35676.64813					
HRK	HRK	0	0	2.828262674	
HTR2B	HTR2B	39.82662466	75.1537528	16.96425931	
13.19855915					
TSPYL1	TSPYL1	1176.056799	612.4015262	1217.855247	
2034.463617					
TRPM2	TRPM2	100.737933	632.7133513	234.821063	
48.08046546					
USMG5	USMG5	6319.548236	5835.587346	4264.279076	
4756.195064					
NMBR	NMBR	0	0	1.885508449	
FAU	FAU	9443.595529	11715.86071	10615.16205	
9205.05225					
ADCY9	ADCY9	189.7621528	119.839768	214.2853807	
235.6885562					
TRIM25	TRIM25	4296.589978	1716.349219	1801.78291	
1951.501245					
ERBB3	ERBB3	19.91331233	32.49892013	206.249679	
25.45436407					
C17orf104	C17orf104		15.22782708	18.28064257	
23.21424958	11.3130507				
COG6	COG6	1591.893615	1493.934735	1408.033523	
1860.054085					
FLJ45513	FLJ45513		29.28428284	16.24946006	
2.678567259	25.45436407				
CRLF3	CRLF3	9197.607553	9038.762161	9423.199617	
9391.717587					
RASD1	RASD1	10.54234182	10.15591254	55.35705669	
5.656525348					
PLXNC1	PLXNC1	1526.296821	738.3348417	1046.426943	
1308.542864					

CDK6	CDK6	8508.841221	4916.477261	2749.102864
4013.304735				
GCA	GCA	775.4478095	739.3504329	1171.426748
1199.183374				
MIRLET7I	MIRLET7I		7.028227881	8.124730032
5.357134518	2.828262674			
MIR1225	MIR1225	0	0	1.785711506
MIR943	MIR943	200.3044946	282.3343686	281.2495622
268.684954				
MIR942	MIR942	2.342742627	0	0.892855753
TMEM120A	TMEM120A		2290.030918	1996.652405
1379.462138	1747.866333			
LOC115110	LOC115110		1056.576925	884.5799823
652.6775555	905.0440557			
TMEM213	TMEM213	2.342742627	7.109138778	0
C17orf67	C17orf67		185.0766675	186.8687907
517.8563368	348.8190631			
ERCC2	ERCC2	470.891268	691.617644	339.2851862
390.300249				
FAM193B	FAM193B	998.0083591	399.1273628	799.9987547
1143.560875				
AKR1C4	AKR1C4	4.685485254	1.015591254	0
COL1A2	COL1A2	16.39919839	7.109138778	8.484788022
32.99639787				0.892855753
PXT1	PXT1	5.856856567	23.35859884	58.9284797
8.484788022				
TAF2	TAF2	5814.6872	7191.40167	3965.172399
4395.120196				
DRD5	DRD5	3.51411394	0	0
RHBDD3	RHBDD3	1548.552876	1886.96855	1187.498152
1114.335494				
KRT9	KRT9	0	0	3.771016899
MTM1	MTM1	3124.047293	2958.417323	2593.745963
2673.650981				
KIFC2	KIFC2	158.1351273	50.7795627	105.3569789
133.8710999				
UGT8	UGT8	2.342742627	8.124730032	26.78567259
2.828262674				
ARHGEF18	ARHGEF18		3218.928369	1950.950799
2415.174812	1998.638956			
RIMBP3B	RIMBP3B	10.54234182	21.32741634	49.99992217
33.93915209				
ARSJ	ARSJ	7.028227881	0	0
POLR2J	POLR2J	2909.686343	3556.600572	2467.853301
2168.334717				
SNHG16	SNHG16	2410.682163	3193.018903	3670.530001
3915.258295				
C11orf80	C11orf80		565.7723444	499.670897
650.891844	434.6096976			
AIM2	AIM2	761.3913537	323.97361	732.1417175

1494.265446				
MAFG	MAFG	1813.282793	2487.182981	2565.174578
1923.218618				
MAFK	MAFK	226.0746635	68.04461402	79.46416202
125.3863119				
PDCD4	PDCD4	7147.707755	8088.168747	31116.02299
27655.69518				
TMEFF1	TMEFF1	70.28227881	97.49676039	58.9284797
94.27542247				
PHF2	PHF2	549.373146	215.3053459	297.3209658
306.395123				
KIF15	KIF15	4838.934896	3797.295699	1399.104965
2457.760264				
GNAT1	GNAT1	0	0	0.942754225
TMEM225	TMEM225	0	0	3.571423012
FAT1	FAT1	9.370970508	0	0
PSME4	PSME4	1174.885427	990.2014727	1128.569672
850.3643107				
PSMC4	PSMC4	10309.23893	13755.16794	7902.66627
8300.008194				
ALX3	ALX3	8.199599194	2.031182508	0
MCAM	MCAM	247.1593471	76.16934405	7.542033798
167.810252				83.03558503
FAM179B	FAM179B	785.9901513	722.0853816	1244.64092
952.181767				
RSPH10B	RSPH10B	4.685485254	3.046773762	11.60712479
5.656525348				
MAATS1	MAATS1	3.51411394	1.015591254	50.89277792
68.8210584				
UGGT2	UGGT2	16.39919839	3.046773762	0
ZRANB2	ZRANB2	5588.612537	4780.388033	11.3130507
7089.51177				5716.062531
HIPK1-AS1	HIPK1-AS1		59.73993699	50.7795627
108.9284019		37.71016899		
CHD3	CHD3	2745.694359	1452.295493	2236.603661
2692.506066				
CDKL5	CDKL5	21.08468364	29.45214637	114.2855364
86.73338867				
RPL36A-HNRNPH2	RPL36A-HNRNPH2		12577.01379	12656.29821
18783.89933		16833.81944		
LOC158960	LOC158960		69.11090749	78.20052656
107.1426904		96.16093092		
LINC01311	LINC01311		51.54033779	23.35859884
47.32135491		81.07686333		
DDX11L5	DDX11L5	3.51411394	2.031182508	3.571423012
12.25580492				
LINC00571	LINC00571		1.171371313	1.015591254
0.892855753		0		
LIPE-AS1	LIPE-AS1		32.79839678	31.48332888
84.82129654		46.19495701		

C1orf145	C1orf145	0	6.093547524	41.07136464
21.68334717				
AKAP2	AKAP2	6640.503976	5021.08316	4278.564769
5050.334382				
ADNP	ADNP	1528.639564	1288.785301	1073.212615
1630.022055				
SH3GLB2	SH3GLB2	2749.208473	2727.878108	1975.889781
2043.891159				
IGFL4	IGFL4	0	0	1.885508449
LOC101927667	LOC101927667		3.51411394	3.046773762
2.678567259	7.542033798			
RUNX3	RUNX3	9273.746689	10924.71512	9356.235436
9474.679958				
TRIM36	TRIM36	2.342742627	14.21827756	39.28565313
7.542033798				
ZNF121	ZNF121	194.447638	213.2741634	252.6781781
355.4183427				
SMC01	SMC01	2.342742627	8.124730032	0
C9orf84	C9orf84	8.199599194	4.062365016	7.142846024
3.771016899				
PLEKHM3	PLEKHM3	359.6109932	259.991361	655.3561227
424.2394011				
C5orf60	C5orf60	0	0	3.771016899
IL10RB	IL10RB	4050.602002	4835.229961	3762.494143
4031.217065				
RP2	RP2	1193.627368	1557.916984	1289.283707
1168.072484				
WWP1	WWP1	1816.796907	1614.790094	2316.960679
1728.068494				
DCAF12	DCAF12	5234.8584	5592.861036	3387.494727
3580.580545				
ICA1L	ICA1L	269.4154021	243.741901	280.3567065
309.2233857				
DNM1	DNM1	2.342742627	3.046773762	51.78563368
18.85508449				
C6orf99	C6orf99	15.22782708	22.34300759	28.5713841
4.713771124				
IP011-LRRC70	IP011-LRRC70		988.6373886	1047.074583
659.8204015	906.9295642			
NCLN	NCLN	5746.747664	6012.300224	3436.601793
4375.322357				
PRMT6	PRMT6	1950.333237	1990.558858	1893.747052
1955.272262				
NCL	NCL	43161.51879	43992.36635	41120.47171
49744.42667				
UVSSA	UVSSA	935.9256795	1398.469157	1366.962158
823.9671924				
TTC39A	TTC39A	0	4.062365016	29.46423985
MTFP1	MTFP1	2509.077353	4450.320875	6.599279573
2044.833913				2501.78182

CDKL3	CDKL3	86.6814772	77.18493531	136.6069302	
82.01961755					
MRPL51	MRPL51	9199.950296	11376.65323	5986.597824	
6340.022161					
MIR26B	MIR26B	1.171371313	1.015591254	3.571423012	0
JMJD1C-AS1	JMJD1C-AS1	133.0355072	65.59679355	52.81074521	
113.130507					
HEMGN	HEMGN	39.82662466	24.3741901	170.5354488	
116.9015239					
LRRC56	LRRC56	32.79839678	35.54569389	52.67848943	
80.1341091					
ALK	ALK	4.685485254	1.015591254	4.464278765	
7.542033798					
CHTF8	CHTF8	10224.9002	11369.54409	10099.09142	
8090.716757					
PIG0	PIG0	3539.884109	4021.741366	2337.496361	
2900.854749					
C17orf100	C17orf100		114.7943887	101.5591254	
180.3568621	196.0928787				
WDYHV1	WDYHV1	804.7320923	674.3525927	407.1422234	
583.5648651					
RMND5B	RMND5B	1390.417749	2117.507765	1906.247033	
2014.665778					
AMD1	AMD1	8504.155736	7328.506489	5245.527549	
7457.185917					
AMDHD2	AMDHD2	1530.982307	1850.407265	1644.640297	
1575.34231					
TANC1	TANC1	32.79839678	29.45214637	24.99996108	
66.93554995					
CERS5	CERS5	3524.656282	4236.031121	3411.601832	
3533.442834					
CYP4F3	CYP4F3	0	4.062365016	184.8211409	0
SLC17A1	SLC17A1	0	0	16.07140355	0.942754225
KCTD5	KCTD5	3922.922529	5545.128247	3373.209035	
2977.217842					
PKNOX1	PKNOX1	1350.591124	1836.188987	2112.496712	
1760.122138					
SSB	SSB	3959.235039	3900.886007	5071.420677	
5445.348402					
HIST1H1A	HIST1H1A		715.7078725	383.893494	
275.8924277	474.205375				
SRPK1	SRPK1	8117.603202	7871.84781	5466.955776	
7339.341639					
HIST1H1T	HIST1H1T		2.342742627	0	0
0.942754225					
CXCL13	CXCL13	518.9174919	64.99784026	209.821102	
507.2017729					
ARFGEF2	ARFGEF2	3652.335755	2127.663677	2916.959745	
2531.295093					
PFKFB4	PFKFB4	96.0524477	76.16934405	296.42811	

392.1857575					
PLA2G15	PLA2G15	942.9539073		1698.068577	1566.961847
1164.301468					
KIAA1731NL	KIAA1731NL			1.171371313	6.093547524
7.142846024		0.942754225			
DIRAS2	DIRAS2	0	0	0.892855753	0
SNAI2	SNAI2	0	2.031182508	0	0
S100A4	S100A4	23934.63005		15099.81077	4473.207323
10925.57871					
CLIP1	CLIP1	4527.350127		4721.48374	5858.919451
7117.794397					
ST8SIA4	ST8SIA4	6376.94543		7440.221527	2416.067668
3432.568132					
RHCE	RHCE	241.3024906		259.991361	317.8566481
303.5668604					
CEP70	CEP70	571.629201		582.9493798	388.3922526
363.9031307					
THUMPD1	THUMPD1	3974.462867		4058.302651	5417.848709
5756.457296					
TTC27	TTC27	2710.553219		3159.504391	2856.245554
3121.459238					
IP011	IP011	3125.218664		3142.23934	2232.139383
2855.602547					
KERA	KERA	0	0	0	2.828262674
NOX3	NOX3	0	0	4.464278765	0.942754225
FAM98A	FAM98A	3811.642254		4276.654771	3241.959239
3272.299914					
DNAJB4	DNAJB4	288.1573431		280.3031861	1568.747558
785.3142692					
RER1	RER1	8709.145716		10947.05813	7232.1316
7314.83003					
ME2	ME2	7712.308728		8173.478413	6046.41916
7844.657904					
GIMAP5	GIMAP5	8713.831201		9738.504535	13760.69287
13191.01711					
GIMAP4	GIMAP4	11049.5456		9433.827159	15784.79686
13714.24571					
ANXA4	ANXA4	2860.488747		4138.53436	1580.354683
2107.055692					
GMEB2	GMEB2	2450.508788		2231.253985	2458.924744
2173.048488					
NHLH1	NHLH1	24.59879758		5.07795627	0
TM9SF1	TM9SF1	3935.807613		5281.074521	2.828262674
3235.532499					3588.387271
GPSM2	GPSM2	2442.309189		2289.142687	671.4275263
1108.678968					
PI4K2B	PI4K2B	4423.09808		3995.335993	2989.281061
2842.403988					
URB1	URB1	1639.919839		1334.486908	945.5342425
1084.167358					

USP53	USP53	468.5485254	234.6015797	1130.355383
1651.705402				
NUDT5	NUDT5	7520.203832	9187.038484	4343.743238
5175.720694				
C16orf72	C16orf72		2487.99267	1687.912664
2356.246332	2028.807092			
UGT2A1	UGT2A1	0	4.062365016	0
SYNM	SYNM	197.961752	32.49892013	396.4279543
317.7081737				
TPTE	TPTE	28.11291152	0	0.892855753
CHMP4C	CHMP4C	5.856856567	22.34300759	7.142846024
1.885508449				
USP51	USP51	14.05645576	14.21827756	38.39279738
21.68334717				
GJD3	GJD3	203.8186085	149.2919143	70.53560449
95.2181767				
PPIAL4C	PPIAL4C	0	0	0.892855753
NID1	NID1	11.71371313	9.140321286	0
ZNF35	ZNF35	213.1895791	275.2252298	310.7138021
241.3450815				
LENG9	LENG9	21.08468364	32.49892013	28.5713841
45.25220279				
TMEM133	TMEM133	2.342742627	0	0
NMUR2	NMUR2	0	0	1.785711506
FAM35A	FAM35A	3213.071513	3486.524775	2391.960562
2644.4256				
TLN2	TLN2	19.91331233	6.093547524	16.96425931
3.771016899				
DONSON	DONSON	3717.932549	4177.126828	2199.10372
2734.930006				
HECW1	HECW1	14.05645576	14.21827756	26.78567259
3.771016899				
DIS3	DIS3	4905.703061	4916.477261	4989.277948
5224.743913				
VWA8	VWA8	644.2542224	613.4171174	867.8557919
755.146134				
EMC4	EMC4	6841.979842	8790.957895	7591.952468
6367.362034				
LOC729732	LOC729732		3.51411394	5.07795627
23.21424958	13.19855915			
SCML2	SCML2	286.9859718	229.5236234	287.4995525
220.6044886				
LEFTY2	LEFTY2	0	6.093547524	8.035701777
ZEB2	ZEB2	938.2684221	363.581669	325.8923499
559.0532553				
MFAP2	MFAP2	0	0	5.656525348
DR1	DR1	6000.935239	5816.291112	4849.99245
5440.634631				
EPHB3	EPHB3	2.342742627	0	0
MAN2A1	MAN2A1	3255.24088	1994.621223	6.599279573
				2124.103836

2022.207812					
HARBI1 HARBI1	488.4618377	528.1074521	634.8204404		
444.9799941					
TTC9C TTC9C	1308.421757	1580.259991	1387.49784		
1338.710999					
C2orf49 C2orf49	1176.056799	1114.103606	1233.926651		
1278.374729					
SLC25A23	SLC25A23	1110.460005	686.5396877		
1315.176524	1504.635743				
WDR77 WDR77	4700.713081	6588.140465	5147.313416		
5448.176665					
ABCA12 ABCA12	0 1.015591254	4.464278765	1.885508449		
POLR1C POLR1C	2012.415917	2789.829175	3396.423285		
3069.607756					
BRI3BP BRI3BP	2054.585284	2665.927042	1199.105276		
1152.045663					
CCM2L CCM2L	0 0	0 0.942754225			
SAMD10 SAMD10	1481.784712	1631.039554	669.6418148		
1124.70579					
KIF20A KIF20A	5351.995531	6284.47868	1920.532725		
3826.639398					
RIOK3 RIOK3	3823.355967	4177.126828	4835.706758		
4375.322357					
HSBP1 HSBP1	4516.807785	4610.784293	3509.815965		
3952.02571					
ZNF137P ZNF137P	62.08267961	20.31182508	106.2498346		
104.6457189					
DRAM1 DRAM1	558.7441165	793.1767694	750.8916883		
578.851094					
MRPL18 MRPL18	4542.577954	6077.298064	5146.42056		
4465.826762					
CROCC CROCC	289.3287144	250.8510398	856.2486672		
839.9940142					
IFT172 IFT172	495.4900656	314.8332888	523.2134713		
781.5432523					
SRP68 SRP68	10210.84374	14228.43347	9575.877951		
9894.205588					
C6orf100	C6orf100	0 1.015591254	1.785711506		
0					
TLN1 TLN1	34345.77828	35904.1976	18678.54235		
32722.05639					
KRT2 KRT2	5.856856567	5.07795627	0 0.942754225		
KRT10 KRT10	2492.678155	2784.751219	2520.531791		
1988.26866					
ARRDC5 ARRDC5	12.88508445	15.23386881	178.5711506		
85.79063445					
NTRK3 NTRK3	28.11291152	0 2.678567259	32.05364364		
RFC2 RFC2	5587.441165	7726.618261	4030.350869		
3985.964862					
DEGS1 DEGS1	6775.211677	8390.814941	7241.953013		

6422.041779					
LOC101928448	LOC101928448	0	4.062365016	0	
0.942754225					
SLC15A3	SLC15A3	3.51411394	0	66.07132572	74.47758375
PCDH12	PCDH12	180.3911823	153.3542794	36.60708587	
95.2181767					
MY010	MY010	1.171371313	1.015591254	5.357134518	
16.02682182					
AFF4	AFF4	1615.321041	1587.36913	2886.60265	
2042.005651					
SLC15A4	SLC15A4	1366.990323	1911.34274	991.9627416	
1716.755443					
RPS19BP1	RPS19BP1		4018.974976	5971.676574	
4333.921825	3689.940036				
EPN3	EPN3	0	1.015591254	23.21424958	6.599279573
DACH1	DACH1	19.91331233	17.26505132	8.92855753	
62.22177883					
IWS1	IWS1	3447.345776	3820.654298	3700.887096	
3883.204652					
PINX1	PINX1	987.4660172	1715.333628	1612.49749	
1334.939982					
CLN6	CLN6	659.4820495	270.1472736	219.6425152	
197.035633					
MAP7D1	MAP7D1	7699.423643	4976.397145	3439.280361	
3723.879188					
VPS37C	VPS37C	158.1351273	83.27848283	131.2497957	
77.30584643					
GPN2	GPN2	1794.540852	2520.697493	1674.104537	
1577.227818					
MAP3K12	MAP3K12	809.4175776	440.7666043	404.4636561	
497.7742306					
HEATR1	HEATR1	7841.159572	5381.618055	6259.811684	
7074.427702					
ANKRD24	ANKRD24	65.59679355	48.74838019	86.60700804	
43.36669434					
SLC17A5	SLC17A5	741.4780414	961.7649176	1799.104342	
1218.981213					
UBE2MP1	UBE2MP1	3.51411394	5.07795627	2.678567259	
1.885508449					
PGM5P2	PGM5P2	22.25605496	19.29623383	40.17850889	
45.25220279					
LOC100506548	LOC100506548		249.5020898	270.1472736	
516.963481	261.1429202				
PTPRZ1	PTPRZ1	0	0	1.885508449	
SLC4A3	SLC4A3	0	11.17150379	18.74997081	0.942754225
PIGB	PIGB	1720.744459	1636.11751	1320.533659	
1543.288666					
ATP9A	ATP9A	339.6976809	99.5279429	115.1783921	
317.7081737					
LOC100652824	LOC100652824	1.171371313	0	0	0

TNFRSF10A	TNFRSF10A	904.298654	1033.871897	
3082.138059	2014.665778			
C9orf53 C9orf53	0 4.062365016	1.785711506	0	
NAPB NAPB	875.0143712	635.760125	1030.355539	
993.6629528				
HLA-J HLA-J	10.54234182	9.140321286	24.10710533	
36.76741476				
SEC14L1P1	SEC14L1P1	51.54033779	34.53010264	
123.2140939	81.07686333			
SLC45A3 SLC45A3	2.342742627	5.07795627	0.892855753	0
SHISA2 SHISA2	60.9113083	36.56128515	63.39275847	
0.942754225				
ZYG11A ZYG11A	17.5705697	3.046773762	1.785711506	
1.885508449				
SMIM4 SMIM4	390.0666474	473.2655244	498.2135102	
344.105292				
MPV17L MPV17L	11.71371313	1.015591254	0 6.599279573	
TTC36 TTC36	14.05645576	15.23386881	24.99996108	
13.19855915				
RFPL3 RFPL3	1.171371313	3.046773762	17.85711506	
10.37029647				
SCRN3 SCRN3	679.3953618	705.8359216	444.642165	
486.46118				
ELAC2 ELAC2	8265.195988	12845.19818	7814.273551	
7515.636679				
SLC37A2 SLC37A2	31.62702546	31.48332888	47.32135491	
74.47758375				
ARHGEF12	ARHGEF12	1292.022559	773.8805356	
566.9634032	935.2121909			
IL16 IL16	6544.451528	16111.33965	15036.58374	
14472.2201				
RNFT1 RNFT1	2243.176065	1869.703499	1748.211564	
2153.250649				
ATP2B2 ATP2B2	0 0	0.892855753	8.484788022	
HMMR-AS1	HMMR-AS1	692.2804463	724.1165641	
251.7853224	543.0264334			
LOC101926933	LOC101926933	8.199599194	11.17150379	
17.85711506	38.65292321			
LOC729218	LOC729218	433.407386	339.2074789	
591.0705085	631.6453306			
OR10AD1 OR10AD1	0 0	1.785711506	0	
OR56B1 OR56B1	0 0	0 15.0840676		
OR52N4 OR52N4	4.685485254	11.17150379	138.3926417	
160.2682182				
RPS24 RPS24	6696.729799	6845.085052	5591.062725	
5810.194287				
HDAC5 HDAC5	1424.387517	1444.170763	6248.20456	
3692.768298				
TMEM178B	TMEM178B	48.02622385	28.43655511	
28.5713841	41.48118589			

KCNA1	KCNA1	1.171371313	0	0	0
MVB12A	MVB12A	1205.341082	1470.576136		924.9985601
768.3446931					
SYNDIG1L	SYNDIG1L		0	0	21.42853807
16.02682182					
CWC22	CWC22	2967.083537	3556.600572		3962.493832
4089.667827					
TGM2	TGM2	0	45.70160643	224.106794	103.7029647
SLC35D2	SLC35D2	604.4275977	817.5509595		804.4630335
753.2606255					
NEK10	NEK10	7.028227881	12.18709505	0	6.599279573
GCC2	GCC2	1985.474376	1579.2444		4874.992412
3802.127788					
CHCHD6	CHCHD6	304.5565415	454.9848818		447.3207323
450.6365194					
MIEN1	MIEN1	3614.851873	4075.567703		2468.746157
2482.271874					
LLPH	LLPH	2823.004865	3687.611843		2646.424452
2607.658186					
ABO	ABO	0	7.109138778	0	0
MAP4K5	MAP4K5	1044.863212	819.582142		1621.426048
1609.281462					
C2CD4A	C2CD4A	32.79839678	12.18709505		17.85711506
76.3630922					
FAM199X	FAM199X	1575.494417	1475.654092		1524.997626
1512.177776					
TMEM132E	TMEM132E		2.342742627	0	12.49998054
5.656525348					
RECK	RECK	503.6896648	621.5418475		1504.461944
1206.725408					
HAUS6	HAUS6	2599.272945	2508.510398		2278.567882
2426.649374					
SPATA3	SPATA3	45.68348122	19.29623383	0	14.14131337
DNER	DNER	2.342742627	0	25.89281684	0
LRFN1	LRFN1	289.3287144	276.2408211		593.7490758
344.105292					
PWP2	PWP2	5202.060003	6723.214102		4513.385832
4813.703071					
SMIM11	SMIM11	637.2259945	757.6310755		741.9631308
771.1729558					
YBEY	YBEY	347.8972801	346.3166176		340.1780419
374.2734272					
PGLYRP2	PGLYRP2	4.685485254	21.32741634		108.9284019
36.76741476					
ENKD1	ENKD1	149.9355281	126.9489068		103.5712674
117.8442781					
PLA2G6	PLA2G6	770.7623243	326.0047926		569.6419704
539.2554165					
CLCA3P	CLCA3P	0	0	3.771016899	
POM121L8P	POM121L8P	0	0	0	3.771016899

HLA-L	HLA-L	10.54234182	5.07795627	18.74997081
3.771016899				
METTL12	METTL12	201.4758659	104.6058992	216.963948
165.9247436				
LPCAT2	LPCAT2	241.3024906	236.6327622	108.0355461
141.4131337				
AP2S1	AP2S1	2886.258916	2099.227122	1083.034028
1109.621722				
TTC21B	TTC21B	1757.05697	1386.282062	1462.497723
1552.716208				
EIF3J	EIF3J	2428.252733	2422.185141	1856.247111
2410.622553				
WDR91	WDR91	1235.796736	1027.778349	1433.033484
1491.437184				
TGFA	TGFA	0	3.046773762	120.5355267
14.14131337				
DHX58	DHX58	1945.647752	1810.799206	2271.425036
1877.023661				
AFAP1	AFAP1	347.8972801	417.4080054	824.9987158
1143.560875				
MYLK4	MYLK4	4.685485254	0	33.92851862
1.885508449				
SLC34A1	SLC34A1	0	6.093547524	0
2.828262674				
TRMT1L	TRMT1L	3029.166217	3332.154905	3001.781042
3316.609363				
LUZP6	LUZP6	5817.029943	4175.095645	3399.101852
3825.696644				
DENND4A	DENND4A	2297.059146	2075.868523	2531.24606
2479.443611				
NDUFA3	NDUFA3	2473.936214	2799.985087	2386.603428
1874.195399				
ZACN	ZACN	1533.325049	1365.970237	1086.605451
1266.118924				
MTURN	MTURN	112.4516461	123.902133	366.9637145
294.1393181				
ZNF555	ZNF555	121.8226166	114.7618117	603.570489
506.2590187				
TAB3	TAB3	2849.946406	1443.155172	1405.354955
1656.419173				
RABEP2	RABEP2	749.6776406	620.5262562	435.7136075
414.8118589				
LRP5L	LRP5L	122.9939879	104.6058992	254.4638896
175.3522858				
CPT1A	CPT1A	1774.62754	1129.337475	1070.534048
892.7882508				
CCDC154	CCDC154	17.5705697	3.046773762	33.92851862
17.91233027				
NPM2	NPM2	5.856856567	4.062365016	22.32139383
2.828262674				
HIST2H3D	HIST2H3D		21.08468364	23.35859884
34.82137437	7.542033798			
HMSD	HMSD	76.13913537	75.1537528	97.32127708

111.2449985					
ARHGAP10	ARHGAP10		1205.341082		1263.39552
443.7493093	584.5076193				
PANK3 PANK3	1234.625364		952.6245963		967.8556363
862.6201156					
MCL1 MCL1	25607.34828		12382.08857		16099.08208
20289.95642					
MSANTD3-TMEFF1	MSANTD3-TMEFF1		196.7903807		294.5214637
236.6067746	286.5972843				
LRFN4 LRFN4	521.2602345		381.8623115		170.5354488
293.1965639					
FUNDC2 FUNDC2	3172.073517		4085.723615		4096.422195
3594.721859					
MRPL24 MRPL24	2381.39788		2788.813584		2355.353476
2753.78509					
TIGD2 TIGD2	130.0222158		205.1494333		299.999533
330.9067329					
GAMT GAMT	788.332894		802.3170907		416.0707809
760.8026593					
TMEM151A	TMEM151A	0	0	5.357134518	0
EIF3F EIF3F	5684.664984		7248.27478		6465.168508
6003.458903					
EIF3B EIF3B	20465.02822		28078.0514		18840.14924
19719.59012					
YES1 YES1	361.9537359		272.1784561		745.5345538
546.7974503					
ZNF787 ZNF787	188.5907815		72.10697904		81.24987353
79.19135488					
TIAL1 TIAL1	1439.615344		590.0585186		700.8917661
775.8867269					
THRA THRA	110.1089035		96.48116913		398.2136659
296.9675808					
THBS2 THBS2	0	4.062365016	0	3.771016899	
PANX3 PANX3	1.171371313	0	0	0	
RBP7 RBP7	0	4.062365016	0	0	
ACRC ACRC	74.96776406		72.10697904		118.7498152
46.19495701					
SFTPFB SFTPFB	1.171371313		3.046773762	0	2.828262674
PLEKHA1 PLEKHA1	249.5020898		442.7977868		3131.245126
1539.517649					
SUMF1 SUMF1	632.5405093		762.7090318		1058.034067
1002.147741					
SNORD38A	SNORD38A		28.11291152		26.40537261
53.57134518	47.13771124				
ANXA2P3 ANXA2P3	2.342742627		2.031182508	0	0
TSPAN31 TSPAN31	1336.534669		1710.255672		1886.604206
1813.859128					
SLC25A34	SLC25A34		25.7701689		12.18709505
26.78567259	33.93915209				
SMARCA5 SMARCA5	14781.5346		14477.25333		14159.79939

14444.88023					
EIF4ENIF1	EIF4ENIF1		2340.399884		2902.559804
1727.675882	2023.150566				
BRD8 BRD8	4855.334094		4432.040233		3997.315206
4281.046934					
KIAA1586	KIAA1586		1061.26241		807.395047
791.0701972	788.1425319				
SLC2A14 SLC2A14	167.5060978		3.046773762		13.3928363
103.7029647					
SAT1 SAT1	7307.014253		8092.231112		8574.986652
7824.860065					
LOC154761	LOC154761		448.6352131		830.7536458
969.6413478	609.0192292				
CABP7 CABP7	852.7583162		1248.161651		861.6058017
679.725796					
RARRES1 RARRES1	7.028227881	0	36.60708587		1.885508449
NUDT9P1 NUDT9P1	7.028227881		10.15591254		35.71423012
27.33987252					
SNORD42A	SNORD42A		1.171371313		2.031182508
1.785711506	0.942754225				
SNORD42B	SNORD42B		16.39919839		26.40537261
25.89281684	21.68334717				
PSMB6 PSMB6	16038.41602		23199.15102		11279.44673
10669.14956					
RPL23A RPL23A	20376.004		23545.46763		27894.59944
26095.43694					
FGF5 FGF5	0 0		0.892855753		0
R3HCC1 R3HCC1	1850.766675		2893.419483		1748.211564
1794.06129					
CPA4 CPA4	1.171371313	0	0		0
LSAMP LSAMP	0 1.015591254		0		0.942754225
SPATA20 SPATA20	843.3873457		484.4370282		753.5702556
1033.25863					
COL3A1 COL3A1	14.05645576		14.21827756	0	0.942754225
COL4A1 COL4A1	0 0		0 0.942754225		
SNORD5 SNORD5	2.342742627		6.093547524		24.99996108
16.02682182					
SNORA32 SNORA32	12.88508445		4.062365016		20.53568232
29.22538097					
PTPRVP PTPRVP	10.54234182		5.07795627		18.74997081
22.62610139					
LINC00636	LINC00636	0	2.031182508	0	0
C1D C1D	2251.375664		897.7826686		762.4988131
1817.630145					
B3GAT2 B3GAT2	92.53833376		161.4790094		179.4640064
98.04643937					
TREX2 TREX2	37.48388203		32.49892013		65.17846997
56.56525348					
ZNF469 ZNF469	29.28428284		9.140321286		24.99996108
16.02682182					

PARK7	PARK7	20072.61883	28336.01158	14526.7631	
15628.03678					
FAM201A	FAM201A	9.370970508	6.093547524	38.39279738	
28.28262674					
SLC40A1	SLC40A1	147.5927855	423.5015529	4095.529339	
2347.45802					
ZBTB46	ZBTB46	70.28227881	27.42096386	44.64278765	
19.79783872					
CFP	CFP	140.5645576	145.2295493	101.7855558	
107.4739816					
ZNF44	ZNF44	713.3651299	742.3972067	2749.102864	
2066.517261					
NHSL1	NHSL1	9.370970508	2.031182508	4.464278765	
8.484788022					
NINJ1	NINJ1	8108.232232	9862.406668	6386.597201	
6274.97212					
HTT-AS	HTT-AS	1.171371313	0	28.5713841	0
LOC100289495	LOC100289495	7.142846024	2.342742627	10.15591254	
13.19855915					
MIR3654	MIR3654	3733.160376	5763.480367	5709.812541	
5063.532941					
KLRC4-KLRK1	KLRC4-KLRK1	2556.246021	7.028227881	854.1122447	
84.84788022					
EPPIN-WFDC6	EPPIN-WFDC6	507.2037787	1.171371313	0	0
1670.560486			259.991361	2179.460893	0
LRP11	LRP11	229.5887774	147.2607318	596.427643	
481.7474088					
ORAI2	ORAI2	7725.193812	10260.51844	5974.990699	
5808.308778					
IL9	IL9	0	13.2026863	343.7494649	0
MCM6	MCM6	17738.0758	21413.74159	10187.48414	
15018.0748					
CSDC2	CSDC2	0	5.07795627	0	0
RPL7	RPL7	21207.67763	30656.63759	30543.70246	
26998.59549					
LIFR	LIFR	5.856856567	0	29.46423985	0
PRDM1	PRDM1	11486.4671	13043.23848	3366.959045	
6496.519363					
SLC25A35	SLC25A35	2702.674364	3231.813454	4505.162803	
2710.418396					
LOC102724927	LOC102724927	5691.693212	2.342742627	0	0
2737.758269			3728.235494	2977.673936	0
SSRP1	SSRP1	8278.081072	10864.79524	7105.346083	
5986.489327					
LOC101927211	LOC101927211	0.892855753	5.856856567	3.046773762	
0	0				
TRIM59	TRIM59	2572.331404	1478.700866	1059.819779	
1317.027652					

LOC100129917	LOC100129917	338.5263096	307.72415
1161.605335	578.851094		
TXNDC8 TXNDC8	2.342742627	0 0	0
MIR1282 MIR1282	10291.66836	13638.37495	9726.770574
8977.848482			
IRF5 IRF5	1491.155682	2239.378715	1412.497801
1756.351121			
ZFP28 ZFP28	26.94154021	84.29407409	609.8204793
283.7690216			
LOC101927905	LOC101927905	18.74194102	12.18709505
49.99992217	21.68334717		
EN03 EN03	162.8206126	89.37203036	154.4640453
111.2449985			
ZCCHC4 ZCCHC4	1202.998339	1149.6493	933.9271177
1257.634136			
PITPNM3 PITPNM3	9.370970508	0 3.571423012	9.427542247
MZT2B MZT2B	4519.150527	5762.464775	2917.852601
3032.840341			
ERICH6 ERICH6	17.5705697	21.32741634	25.89281684
15.0840676			
UBE2NL UBE2NL	1.171371313	3.046773762	0 3.771016899
PRMT5-AS1	PRMT5-AS1	3118.190436	4604.690746
3360.709054	3359.033303		
SNORD109A	SNORD109A	0 1.015591254	1.785711506
1.885508449			
SNORD64 SNORD64	5.856856567	1.015591254	5.357134518
4.713771124			
APOC2 APOC2	0 0	4.464278765	1.885508449
OPN3 OPN3	1391.58912	1423.858938	1052.676933
1026.659351			
WDR37 WDR37	1958.532836	2237.347533	2455.353321
2099.513658			
MMP25 MMP25	746.1635267	588.0273361	313.3923693
420.4683842			
KIAA1328	KIAA1328	165.1633552	205.1494333
163.3926028	168.7530062		
ACTL9 ACTL9	0 0	12.49998054	0
KCTD16 KCTD16	7.028227881	5.07795627	15.1785478
0.942754225			
NTN3 NTN3	1.171371313	0 0	0
NRL NRL	115.96576	118.8241767	174.9997276
88.61889712			
VTI1B VTI1B	3938.150356	4715.390193	3736.601326
4203.741088			
DPH7 DPH7	1903.478384	2395.779768	2382.139149
2338.973232			
ALKBH8 ALKBH8	988.6373886	973.9520126	1374.99786
1390.562481			
PPAP2C PPAP2C	4.685485254	2.031182508	18.74997081
27.33987252			

OTX1	OTX1	3.51411394	11.17150379	0	0
PROKR1	PROKR1	0	2.031182508	0	0
CREBRF	CREBRF	1146.772516	1070.433182	9915.163137	
		6266.487332			
MYOCD	MYOCD	0	0	1.785711506	0
COG7	COG7	1627.034754	2005.792727	1335.712207	
		1541.403157			
AKAP7	AKAP7	240.1311193	188.8999733	187.4997081	
		313.9371568			
MTMR4	MTMR4	5814.6872	5720.825534	4920.528055	
		5134.239508			
MTMR6	MTMR6	6146.185282	6273.307176	3967.850966	
		4809.932054			
CEL	CEL	10.54234182	6.093547524	17.85711506	
		6.599279573			
ONECUT2	ONECUT2	11.71371313	0	0	0
POU2F1	POU2F1	770.7623243	821.6133245	1210.712401	
		1055.884732			
NFYB	NFYB	2606.301172	2365.312031	2297.317853	
		2761.327124			
PPL	PPL	19.91331233	3.046773762	12.49998054	
		5.656525348			
CGN	CGN	46.85485254	66.01343151	174.9997276	
		67.87830418			
BLOC1S4	BLOC1S4	1921.048954	2834.51519	3127.673703	
		2585.032084			
IGLON5	IGLON5	1.171371313	0	0	0
C17orf51	C17orf51	581.6793566	531.8025763	643.8848551	
		988.3913186			
XKRX	XKRX	16.39919839	7.109138778	0	12.25580492
BOLA3	BOLA3	1869.508616	2369.374396	1171.426748	
		1283.0885			
BLOC1S3	BLOC1S3	597.3993699	627.635395	1246.426631	
		696.6953721			
SLC36A4	SLC36A4	1057.748296	979.0299689	883.0343397	
		1142.61812			
CPA6	CPA6	8.199599194	2.031182508	0	0
SYNE2	SYNE2	6029.04815	6285.494271	13973.19253	
		13008.12279			
GPRIN3	GPRIN3	8964.504662	4660.548265	1602.676077	
		3977.480074			
TMEM17	TMEM17	18.74194102	7.109138778	0	23.56885562
PON3	PON3	5.856856567	4.062365016	14.28569205	
		7.542033798			
TMEM143	TMEM143	795.3611218	982.0767427	773.2130821	
		870.1621494			
RSC1A1	RSC1A1	930.0688229	978.0143777	825.8915716	
		731.5772784			
METTL16	METTL16	1967.903807	1875.797046	3266.066345	
		2234.327513			

ASPSCR1 ASPSCR1	1377.532665	1880.875003	1679.461671
1316.084898			
NCAPD2 NCAPD2	20220.21161	21194.37388	8334.808455
11964.49387			
PKD2 PKD2	1048.377326	1714.318037	857.1415229
877.7041832			
MIR423 MIR423	2.342742627	4.062365016	3.571423012
17.91233027			
MIR132 MIR132	0 0	0.892855753	0
MIR128-1 MIR128-1		0 0	0.892855753
2.828262674			
HCST HCST	3411.033265	3818.623115	1858.032822
2350.286282			
PHTF1 PHTF1	2192.807099	2608.03834	1375.890715
1715.812689			
KLF1 KLF1	19.91331233	27.42096386	0 8.484788022
ADORA2B ADORA2B	60.9113083	49.76397145	95.53556557
111.2449985			
CA12 CA12	2.342742627	0 0	16.96957604
NBPF3 NBPF3	327.9839678	413.3456404	618.7490368
420.4683842			
GPBP1 GPBP1	7444.064697	8120.667667	15484.79732
11277.22604			
NDUFB10 NDUFB10	4862.362322	6593.218421	4023.208023
3988.793125			
NDUFB2 NDUFB2	5191.517661	6533.298537	4051.779407
3568.324741			
TMEM167A TMEM167A		7681.853074	5830.50939
4130.350714	5668.781153		
LYG1 LYG1	23.42742627	15.23386881	70.53560449
16.02682182			
PCP2 PCP2	151.1068994	166.5569657	163.3926028
121.615295			
SLC16A10 SLC16A10		315.0988833	590.0585186
480.3563951	408.2125793		
ACBD7 ACBD7	43.3407386	50.7795627	38.39279738
19.79783872			
PLA2G4B PLA2G4B	325.6412251	102.5747167	530.3563173
375.2161814			
ARID5A ARID5A	15783.05708	19455.68165	14074.97809
17922.70057			
ZNF765 ZNF765	1423.216146	1163.867577	2021.425425
1826.114933			
ZFP92 ZFP92	4.685485254	1.015591254	7.142846024
2.828262674			
VMA21 VMA21	5237.201142	4220.797252	4332.136114
5023.937264			
CDNF CDNF	12.88508445	18.28064257	65.17846997
27.33987252			
HLA-H HLA-H	216.703693	53.82633646	294.6423985

430.8386807					
SUM03	SUM03	6412.08657	5718.794352	4967.84941	
4197.141808					
NIP7	NIP7	3174.416259	3485.509184	3126.780847	
3064.893985					
SHISA3	SHISA3	16.39919839	26.40537261	11.60712479	
13.19855915					
RBM44	RBM44	10.54234182	12.18709505	0	14.14131337
C16orf90	C16orf90		1.171371313	0	0
TMEM223	TMEM223	1292.022559	1502.059465	1065.176913	
1214.267441					
SMIM15	SMIM15	4184.138332	4138.53436	3269.637768	
4103.80914					
RELL1	RELL1	1199.484225	789.1144044	526.7848943	
757.9743967					
SLC8A1	SLC8A1	73.79639275	13.2026863	15.1785478	
25.45436407					
NUDT7	NUDT7	311.5847694	255.928996	373.2137048	
401.6132997					
NSDHL	NSDHL	1352.933867	2231.253985	1370.533581	
1326.455194					
PACRGL	PACRGL	234.2742627	184.8376082	166.9640258	
313.9371568					
DLC1	DLC1	23.42742627	49.76397145	89.2855753	
67.87830418					
FRAT1	FRAT1	277.6150013	259.991361	433.927896	
472.3198666					
LOC101927559	LOC101927559		426.3791581	314.8332888	
992.8555974	742.8903291				
WIPF2	WIPF2	1458.357285	984.1079252	1026.784116	
1004.976004					
ELL3	ELL3	98.39519033	90.38762161	221.4282268	
254.5436407					
MYH8	MYH8	3.51411394	0	23.56885562	
NAPSA	NAPSA	277.6150013	466.1563856	678.5703723	
594.8779158					
TRABD2B	TRABD2B	0	0.892855753	0	
YAE1D1	YAE1D1	326.8125965	269.1316823	608.0347678	
439.3234687					
NIT2	NIT2	2833.547207	3792.217743	2951.78112	
2769.811912					
LHX9	LHX9	2.342742627	5.07795627	0	0
PRKX	PRKX	3557.454679	6418.536726	4450.885929	
3168.596949					
KIF24	KIF24	1397.445977	916.0633112	471.4278376	
848.4788022					
ESPNL	ESPNL	2.342742627	8.124730032	6.249990271	
8.484788022					
RRP36	RRP36	3849.126136	4573.207417	2787.495661	
2735.87276					

C21orf59	C21orf59	2916.714571	4070.489746	
3348.209074	2734.930006			
CNP	CNP	11109.28554	11092.28768	6808.025117
7564.659899				
ZNF462	ZNF462	1.171371313	0	14.28569205
				9.427542247
ANXA2P1	ANXA2P1	0	1.015591254	0
CYP4F22	CYP4F22	12.88508445	36.56128515	46.42849916
27.33987252				
LPCAT3	LPCAT3	3142.789234	3108.724829	2688.388672
3218.562923				
FLJ42393	FLJ42393		19.91331233	15.23386881
10.71426904	16.02682182			
FLJ37201	FLJ37201		10.54234182	3.046773762
1.785711506	15.0840676			
ZBTB11-AS1	ZBTB11-AS1		376.0101916	528.1074521
783.9273512	508.1445271			
TUBGCP4	TUBGCP4	2559.44632	2919.824855	1421.426359
2409.679798				
RPPH1	RPPH1	48.02622385	35.54569389	26.78567259
23.56885562				
SNORD12	SNORD12	7.028227881	3.046773762	6.249990271
				0
MSX2P1	MSX2P1	63.25405093	62.96665775	194.6425542
82.01961755				
SLC7A5P2	SLC7A5P2		709.851016	551.4660509
1151.783921	823.0244382			
RPL23AP32	RPL23AP32		0	0
				3.771016899
SIRPG	SIRPG	7986.409615	15066.29625	5062.49212
6295.712713				
TEX40	TEX40	1.171371313	2.031182508	4.464278765
2.828262674				
CABP4	CABP4	3.51411394	9.140321286	33.03566286
3.771016899				
ZNRF2P2	ZNRF2P2	4.685485254	0	0.892855753
				18.85508449
IL17RD	IL17RD	0	4.062365016	0
HYDIN	HYDIN	1.171371313	1.015591254	0
				0
IN080	IN080	1610.635556	790.1299957	1183.926729
1235.008034				
NUP54	NUP54	3712.075692	3704.876895	3383.030448
3657.886392				
TBK1	TBK1	5696.378697	5611.141679	4157.136386
5036.193068				
IMMP2L	IMMP2L	144.0786716	129.9956805	435.7136075
224.3755055				
SIDT1	SIDT1	1692.631548	1358.861098	1633.926028
2098.570904				
MAF	MAF	784.81878	376.7843553	235.7139188
714.6077023				
TBL2	TBL2	2446.994674	3151.379661	2236.603661
2545.436407				
TMEM181	TMEM181	1594.236358	876.4552522	700.8917661

1201.068882					
CARD10	CARD10	0	0	29.46423985	0
CENPQ	CENPQ	946.4680213		1059.261678	868.7486477
732.5200326					
CEP55	CEP55	7770.877293		7996.765534	2066.068213
3350.548515					
SHQ1	SHQ1	2789.035097		2858.88938	3066.066656
3100.718645					
TSR1	TSR1	8178.514511		10146.77222	9141.950055
9900.804868					
PIH1D3	PIH1D3	0	0	0	0.942754225
C1orf122	C1orf122			2210.377669	2905.606578
1711.604479	1710.156164				
RNF138P1	RNF138P1			42.16936728	29.45214637
41.07136464	7.542033798				
AK7	AK7	8.199599194		4.062365016	24.10710533
19.79783872					
LYPD5	LYPD5	14.05645576		15.23386881	110.7141134
86.73338867					
MTFR1	MTFR1	347.8972801		217.3365284	197.3211214
164.0392351					
ZNF577	ZNF577	126.5081019		74.13816155	410.7136464
482.6901631					
VPS72	VPS72	3184.958601		4254.311763	3138.387972
3047.924409					
OPN4	OPN4	0	1.015591254	0	0
HELZ2	HELZ2	789.5042653		408.2676841	1236.605218
568.4807975					
C22orf34	C22orf34			354.925508	349.3633914
291.9638312	185.7225823				
ELFN2	ELFN2	1.171371313		0	1.785711506
LOC646214	LOC646214			2.342742627	4.062365016
17.85711506	10.37029647				
THAP7-AS1	THAP7-AS1			158.1351273	233.5859884
451.785011	316.7654195				
LINC00324	LINC00324			619.6554248	596.1520661
627.6775944	659.9279573				
IQCB1	IQCB1	1741.829143		1796.580928	2511.603233
2571.833525					
TMPRSS11A	TMPRSS11A			0	1.015591254
GRK6	GRK6	13721.44357		17690.58405	7206.238783
8172.736374					
AEBP2	AEBP2	1500.526653		1007.466524	1270.533737
1181.271044					
MAOB	MAOB	4.685485254		2.031182508	0
RNASE6	RNASE6	63.25405093		24.3741901	67.85703723
20.74059294					
GFRA2	GFRA2	1.171371313		13.2026863	0
OR8S1	OR8S1	0	3.046773762	0	18.85508449
AHDC1	AHDC1	126.5081019		39.60805891	28.5713841

69.76381263					
SNAI3	SNAI3	551.7158886	408.2676841	105.3569789	
353.5328343					
FGF8	FGF8	0	0	5.357134518	0
THAP8	THAP8	336.183567	472.2499331	508.0349235	
325.2502075					
GGN	GGN	5.856856567	3.046773762	1.785711506	
1.885508449					
HLA-DPA1	HLA-DPA1		73.79639275	207.1806158	
166.9640258	68.8210584				
H3F3AP4	H3F3AP4	19814.91714	19613.0983	11744.62458	
12952.50029					
KLKP1	KLKP1	0	0	0.942754225	
AFG3L1P	AFG3L1P	1124.516461	1089.729416	1463.390579	
1491.437184					
DUSP5P1	DUSP5P1	11.71371313	0	0	0
ERCC4	ERCC4	715.7078725	562.6375547	577.6776722	
606.1909665					
MAN2C1	MAN2C1	1841.395705	1788.456198	1305.355111	
1881.737433					
NPR1	NPR1	0	0	16.96957604	
LOC101927273	LOC101927273		0	0	0.942754225
CPA2	CPA2	5.856856567	4.062365016	0	0.942754225
LPL	LPL	4.685485254	11.17150379	0	0
GALT	GALT	2158.837331	3154.426435	3641.065761	
2890.484453					
RRP12	RRP12	3415.71875	5019.051978	4309.81472	
3656.943638					
FKBP8	FKBP8	7615.084909	4597.581607	3938.386727	
3369.403599					
PDE4A	PDE4A	1530.982307	1402.531522	484.8206739	
572.2518144					
SPECC1L-ADORA2A	SPECC1L-ADORA2A		3753.073688	3931.353744	
4216.957722	4733.568962				
LINC01138	LINC01138		45.68348122	46.71719769	
230.3567843	169.6957604				
SOD2	SOD2	2958.883938	3100.600099	4712.492664	
2216.415182					
RGAG4	RGAG4	3.51411394	0	51.78563368	37.71016899
ORM2	ORM2	3.51411394	8.124730032	1.785711506	
10.37029647					
TGIF2-C20orf24	TGIF2-C20orf24		9909.801312	14211.16842	
9790.163332	8121.827646				
SVOPL	SVOPL	2.342742627	7.109138778	8.035701777	
4.713771124					
SNORD97	SNORD97	8.199599194	3.046773762	4.464278765	
8.484788022					
PTP4A2	PTP4A2	34780.35704	31165.44881	20755.32483	
26497.05024					
CCDC155	CCDC155	0	3.046773762	0	0

TCEAL2	TCEAL2	0	0	34.82137437	12.25580492
TUBA3D	TUBA3D	16.39919839		16.24946006	25.89281684
16.96957604					
DHRS13	DHRS13	1171.371313		1850.407265	1566.068991
1613.052478					
SLFN13	SLFN13	1263.909647		615.4483	552.6777111
1027.602105					
SFXN5	SFXN5	577.4860575		562.6375547	509.820635
311.1088942					
ZNF579	ZNF579	23.42742627		8.124730032	9.821413283
20.74059294					
LOC100289561	LOC100289561			372.4960777	275.2252298
544.6420093	470.4343581				
MIR6841	MIR6841	0	0	1.785711506	3.771016899
UBE4A	UBE4A	7815.389403		6001.12872	5874.097999
6864.19351					
TNFSF10	TNFSF10	4694.856224		8248.632165	8416.951184
4759.966081					
SEPHS1	SEPHS1	5731.519837		7002.501697	3601.780108
4020.846768					
RFX1	RFX1	131.1935871		34.53010264	62.49990271
79.19135488					
ZMYM6	ZMYM6	1269.766504		1509.168604	1808.0329
2008.066499					
SLC16A2	SLC16A2	0	0	12.49998054	17.91233027
IGFBP6	IGFBP6	1.171371313		16.24946006	37.49994163
18.85508449					
IFNW1	IFNW1	4.685485254		1.015591254	8.035701777
0.942754225					
TMEM159	TMEM159	520.0888632		604.2767962	608.0347678
620.3322799					
CHMP1B	CHMP1B	2513.762839		2623.272209	4082.136503
3469.335547					
SPATC1L	SPATC1L	80.82462063		227.4924409	209.821102
97.10368515					
ARL8A	ARL8A	849.2442023		413.3456404	409.8207906
454.4075363					
FAM174A	FAM174A	331.4980817		418.4235967	287.4995525
350.7045716					
ARID2	ARID2	3586.738962		2345.000206	2735.710027
2876.34314					
TSPAN32	TSPAN32	240.1311193		359.5193039	133.0355072
171.5812689					
PHLDA3	PHLDA3	1318.964099		3304.733941	1304.462255
463.8350786					
PEF1	PEF1	5694.035955		7872.863401	6710.70384
6140.158266					
TMEM41B	TMEM41B	1932.762667		1181.132628	1543.747597
2033.520863					
SELL	SELL	66161.39453		57773.93967	67924.89427

59907.31721					
NPFF	NPFF	21.08468364	18.28064257	32.14280711	
27.33987252					
RDH16	RDH16	9.370970508	22.34300759	2.678567259	
36.76741476					
LOC90246	LOC90246		1.171371313	1.015591254	0
0					
CENPK	CENPK	3475.458687	2148.991094	978.5699053	
2305.976834					
LYRM2	LYRM2	1949.161866	2103.289487	2641.067317	
2350.286282					
MIR937	MIR937	50.36896648	19.29623383	9.821413283	
11.3130507					
C11orf54	C11orf54		1345.905639	1370.032602	
1151.783921		1301.943584			
SCML4	SCML4	189.7621528	105.6214904	1868.747091	
1755.408366					
MIR324	MIR324	38.65525334	12.18709505	43.7499319	
44.30944856					
MIR345	MIR345	0	0	3.571423012	0
MIR331	MIR331	1.171371313	0	0	0
SH3D21	SH3D21	33.96976809	76.16934405	17.85711506	
30.16813519					
UBXN2B	UBXN2B	2083.869567	1284.722936	2114.282423	
1922.275864					
EIF4A1	EIF4A1	21809.76249	28475.14758	20907.11031	
21987.85678					
PDP1	PDP1	1969.075178	1931.654565	2881.245515	
2210.758657					
GAD1	GAD1	16.39919839	16.24946006	48.21421066	
2.828262674					
ZNF592	ZNF592	3002.224676	2486.16739	2012.496867	
2120.254251					
RNASEL	RNASEL	1289.679816	956.6869613	1438.390618	
1429.215405					
DLX6	DLX6	0	0	1.885508449	
MDN1	MDN1	1761.742455	1359.876689	1737.497295	
1765.778663					
AGBL4	AGBL4	0	0	0.892855753	0
BOLA1	BOLA1	949.9821352	929.2659975	880.3557725	
876.761429					
CRYL1	CRYL1	746.1635267	974.9676039	816.963014	
869.2193952					
GAL	GAL	14.05645576	5.07795627	7.142846024	
1.885508449					
HDGFRP3	HDGFRP3	1538.010535	1459.404632	529.4634615	
547.7402046					
ABHD13	ABHD13	1760.571084	1475.654092	2937.495427	
2777.353946					
RMDN3	RMDN3	2389.597479	3295.593619	3061.602377	

2949.877969					
PHF6 PHF6	4970.128483	3480.431228	2616.960212		
4123.606979					
PRDX2 PRDX2	16046.61562	21837.24314	8774.986341		
10762.48223					
LCMT2 LCMT2	839.8732318	949.5778225	1020.534126		
1043.628927					
ADORA2A-AS1	ADORA2A-AS1	365.4678498	413.3456404		
445.5350208	582.6221109				
SLC36A3 SLC36A3	3.51411394	3.046773762	25.89281684	0	
CACNG3 CACNG3	0 0	0 3.771016899			
FAM71B FAM71B	1.171371313	11.17150379	20.53568232		
5.656525348					
DZIP1 DZIP1	4.685485254	0 0	0		
NME1-NME2	NME1-NME2	18663.45914	26342.40595		
13514.26468	15804.33182				
SLC9A1 SLC9A1	1731.286801	1248.161651	799.105899		
1180.328289					
CDC73 CDC73	5820.544057	5696.451344	5499.991439		
5384.069377					
NKAP NKAP	1231.11125	1516.277742	1787.497218		
1404.703795					
PGLS PGLS	1210.026567	1839.235761	1260.712323		
1265.17617					
MIR1182 MIR1182	251.8448324	200.071477	353.5708782		
369.5596561					
MIR1237 MIR1237	11.71371313	6.093547524	0.892855753		
2.828262674					
MIR1181 MIR1181	571.629201	610.3703437	424.1064827		
497.7742306					
LOC101929076	LOC101929076	0 0	0 0.942754225		
LINC00632	LINC00632	18.74194102	3.046773762		
3.571423012	0				
TRAF4 TRAF4	1153.800744	647.9472201	603.570489		
507.2017729					
LINC00939	LINC00939	0 0	0 2.828262674		
C6orf211	C6orf211	3528.170396	3839.950532		
2377.67487	2414.393569				
MIR3188 MIR3188	1.171371313	2.031182508	0.892855753	0	
MIR3184 MIR3184	1.171371313	4.062365016	3.571423012		
17.91233027					
MIR3183 MIR3183	0 0	0 3.771016899			
ARPC1A ARPC1A	3958.063668	4327.434334	3574.101579		
3520.244275					
MASP2 MASP2	12.88508445	11.17150379	34.82137437		
30.16813519					
SNORD50B	SNORD50B	23.42742627	22.34300759		
66.96418148	83.905126				
HNRNPA1P10	HNRNPA1P10	27449.91536	33995.90164		
33573.16203	34563.25539				

SNORD19	SNORD19	17.5705697	9.140321286	16.07140355
42.42394011				
SNORD62B	SNORD62B		10.54234182	4.062365016
6.249990271	5.656525348			
PP2D1	PP2D1	514.2320066	543.3413209	523.2134713
600.5344411				
SNORD23	SNORD23	24.59879758	25.38978135	21.42853807
5.656525348				
SNORD9	SNORD9	0	0	0.942754225
RAB19	RAB19	159.3064986	562.6375547	395.5350986
277.1697421				
TLL10	TLL10	4.685485254	8.124730032	0
ITGB2	ITGB2	29076.95011	25796.01785	0.942754225
18082.96878				9474.985251
CD276	CD276	181.5625536	302.6461937	119.6426709
211.1769463				
PRPSAP1	PRPSAP1	3101.791238	3935.416109	3024.995291
2877.285894				
DAK	DAK	2553.589463	2357.187301	1865.175668
2426.649374				
ZDHHC14	ZDHHC14	1080.004351	1116.134788	283.0352737
518.5148236				
EMB	EMB	6551.479756	7163.980706	8536.593855
8370.714761				
C1orf87	C1orf87	0	4.464278765	1.885508449
MY018A	MY018A	4002.575778	2488.198572	1829.461438
2118.368743				
TLDC1	TLDC1	1080.004351	1001.372976	782.1416397
988.0064275				
LRRC37A2	LRRC37A2		76.13913537	23.35859884
40.17850889	117.8442781			
CTBP1	CTBP1	9086.327279	6443.926507	5366.063076
5629.185476				
AUTS2	AUTS2	469.7198967	44.68601518	67.85703723
568.4807975				
CSTF3-AS1	CSTF3-AS1		46.85485254	38.59246765
24.10710533	48.08046546			
LINC00347	LINC00347		0	0
MIR181A1	MIR181A1		0	0
MKRN20S	MKRN20S	0	4.062365016	0
KNDC1	KNDC1	3.51411394	8.124730032	0
CDYL2	CDYL2	1163.171714	793.1767694	0
776.8294812				443.7493093
KCNIP1	KCNIP1	1.171371313	0	0
RPL15	RPL15	31738.30574	36653.70395	34516.0177
36673.13934				
BAI1	BAI1	4.685485254	0	31.24995136
TP53TG5	TP53TG5	28.11291152	15.23386881	10.37029647
22.62610139				40.17850889
RPS6KA4	RPS6KA4	1458.357285	633.7289425	456.2492898

672.1837622					
ZNF830	ZNF830	1363.476209	1291.832075	2389.281995	
1815.744637					
ADCK2	ADCK2	912.4982532	1206.52241	1429.462061	
1242.550068					
INHBC	INHBC	4.685485254	0	0	0
HEATR5A	HEATR5A	1282.651588	1079.573503	1122.319682	
985.1781648					
FAM115D	FAM115D	388.8952761	680.4461402	883.0343397	
564.7097806					
CEP78	CEP78	3244.698538	3283.406524	2108.032433	
2114.597726					
C11orf96	C11orf96		0	0	1.885508449
PTPRQ	PTPRQ	0	0	8.92855753	0
PRICKLE3	PRICKLE3		379.5243056	436.7042392	
516.963481		356.3610969			
JADE3	JADE3	73.79639275	81.24730032	18.74997081	
27.33987252					
ZNF699	ZNF699	204.9899799	160.4634181	758.9273901	
560.9387637					
TMEM232	TMEM232	7.028227881	11.17150379	18.74997081	
9.427542247					
FBX047	FBX047	0	5.07795627	0	2.828262674
SGK223	SGK223	132.3649584	31.48332888	261.6067356	
159.325464					
WIPF3	WIPF3	0	0	0.942754225	
PIWIL2	PIWIL2	1.171371313	14.21827756	9.821413283	
24.51160984					
LEUTX	LEUTX	14.05645576	11.17150379	0	1.885508449
SLC7A6	SLC7A6	4323.531518	3065.054405	5806.240962	
4384.749899					
FAM107A	FAM107A	0	0	0.942754225	
UBA52	UBA52	8056.691894	8175.509595	8299.094224	
7807.890489					
HLF	HLF	254.187575	762.7090318	158.0354683	
836.2229973					
JRKL	JRKL	291.6714571	311.786515	901.7843106	
777.7722354					
EMD	EMD	1862.480388	614.4327087	940.1771079	
540.1981708					
PARK2	PARK2	0	2.031182508	32.14280711	6.599279573
PSMA3	PSMA3	15344.96421	16897.40728	13632.12164	
13741.58558					
ATF5	ATF5	762.5627251	813.4885945	677.6775165	
802.2838452					
MIP	MIP	10.54234182	6.093547524	3.571423012	
13.19855915					
PDX1	PDX1	0	0	1.785711506	0
MDH1	MDH1	17381.97892	22447.61349	12207.12386	
13636.93986					

MIR3614	MIR3614	130.0222158	57.88870148	62.49990271	
70.70656685					
NR1D1	NR1D1	173.3629544	168.5881482	234.821063	
186.6653365					
TMEM88	TMEM88	7.028227881	5.07795627	3.571423012	
2.828262674					
GALNT7	GALNT7	1622.349269	1620.883641	1156.2482	
1560.258242					
CDON	CDON	11.71371313	21.32741634	9.821413283	
16.02682182					
RFX7	RFX7	1409.15969	827.7068721	722.3203042	
836.2229973					
NUDT10	NUDT10	11.71371313	16.24946006	28.5713841	
16.96957604					
THOC5	THOC5	3549.25508	4059.318242	2432.139071	
2869.74386					
CCDC40	CCDC40	1.171371313	3.046773762	32.14280711	
13.19855915					
WDR17	WDR17	17.5705697	23.35859884	17.85711506	
1.885508449					
ZEB2-AS1	ZEB2-AS1		9.370970508	1.015591254	
5.357134518	10.37029647				
RAET1E-AS1	RAET1E-AS1		46.85485254	33.51451138	
123.2140939	90.50440557				
PTCHD1-AS	PTCHD1-AS		0	0.892855753	0
TPTE2P3	TPTE2P3	0	4.062365016	0	
SBDSP1	SBDSP1	994.4942451	1274.567024	3303.566286	
1813.859128					
AURKAPS1	AURKAPS1		44.51210991	32.49892013	
67.85703723	63.16453306				
FIS1	FIS1	2764.4363	3232.626962	2610.710222	
2338.973232					
HSFY1P1	HSFY1P1	0	0	0.892855753	0
SNORA14A	SNORA14A		0	0	2.678567259
0.942754225					
GUSBP5	GUSBP5	53.88308042	52.81074521	117.8569594	
123.5008034					
SNORA5C	SNORA5C	53.88308042	56.87311023	95.53556557	
83.905126					
SNORA5B	SNORA5B	7.028227881	7.109138778	3.571423012	
4.713771124					
LGALS8-AS1	LGALS8-AS1		262.3871742	252.8822223	
248.2138993	295.0820723				
METTL11B	METTL11B		0	0	0.892855753
FAM200B	FAM200B	490.8045803	458.0316556	858.0343787	0
584.5076193					
ARSI	ARSI	0	0	0.942754225	
FAM178A	FAM178A	3710.904321	2998.025382	4175.886357	
3785.158212					
ASB13	ASB13	554.0586313	632.7133513	692.8560644	

971.9796057				
LOC101927621	LOC101927621		80.82462063	75.1537528
135.7140745	88.61889712			
IP08 IP08	2265.43212		1470.576136	1433.033484
2248.468826				
SPIRE1 SPIRE1	268.2440308		338.1918876	366.9637145
207.4059294				
KIAA0922	KIAA0922		5452.733464	6008.237859
8411.594049	8278.324847			
KIR3DL1 KIR3DL1	0 0	0	3.771016899	
OR5B12 OR5B12	0 0	0	9.427542247	
SLC16A11	SLC16A11		3.51411394	6.093547524
48.21421066	7.542033798			
COX6B2 COX6B2	3.51411394	0 0		1.885508449
MESP1 MESP1	42.16936728		73.12257029	31.24995136
27.33987252				
ANGPTL3 ANGPTL3	0 0	1.785711506		0
REX02 REX02	3776.501115		5938.162062	2649.103019
2627.456024				
APPBP2 APPBP2	2471.593471		1769.159965	1881.247072
1918.504847				
SLC9A3 SLC9A3	2.342742627		14.21827756	11.60712479
4.713771124				
SLC1A1 SLC1A1	56.22582305	140.1515931		0 34.88190631
ZNF20 ZNF20	230.7601488	331.0827488		489.2849527
407.2698251				
DX0 DX0	72.62502143		3.046773762	6.249990271
91.4471598				
MIEF1 MIEF1	4696.027596		5204.905177	4933.920891
5029.593789				
PDE8A PDE8A	640.7401085		574.8246498	888.3914743
1217.095704				
RMI1 RMI1	2509.077353		2375.467943	1622.318903
2113.654972				
BAIAP2L2	BAIAP2L2		5.856856567	3.046773762
17.85711506	18.85508449			
CHODL CHODL	30.45565415		4.062365016	4.464278765
45.25220279				
POF1B POF1B	2.342742627		3.046773762	0 20.74059294
CDC42BPG	CDC42BPG		2.342742627	0 0.892855753
	3.771016899			
C12orf76	C12orf76		234.2742627	174.6816957
399.1065216	576.9655855			
FLJ44635	FLJ44635		1.171371313	0 0.892855753
	1.885508449			
SLC2A7 SLC2A7	0 1.015591254	0		0
PLCXD2 PLCXD2	201.4758659	205.1494333		204.4639674
83.905126				
AK1 AK1	303.3851702		148.2763231	274.9995719
436.495206				

TWIST1 TWIST1	3.51411394	9.140321286	8.92855753	
5.656525348				
IL1A IL1A	16.39919839	44.68601518	63.39275847	
82.01961755				
MRRF MRRF	1529.810935	2055.556698	1434.819195	
1631.907563				
COL8A2 COL8A2	0 0	6.249990271	0.942754225	
FGR FGR	5.856856567	15.23386881	177.6782949	
13.19855915				
FBXL18 FBXL18	564.6009731	389.9870416	325.8923499	
354.4755885				
PHC3 PHC3	2692.98265	2329.766337	3134.816549	
2688.735049				
CPEB4 CPEB4	894.9276835	419.4391879	464.2849916	
724.9779988				
ARMC2 ARMC2	222.5605496	166.5569657	124.9998054	
157.4399555				
DOK2 DOK2	9041.815169	16487.10842	4251.779096	
4449.799941				
PLK3 PLK3	2551.246721	4777.341259	6600.882582	
4614.78193				
BTAF1 BTAF1	4498.065844	2690.301232	3730.351336	
4463.941254				
METTL21B	METTL21B	158.1351273	122.8865417	
164.2854586	202.6921583			
LOC100289230	LOC100289230	48.02622385	27.42096386	
143.7497762	110.3022443			
KRTAP5-6	KRTAP5-6	0 1.015591254 0	0 0	0
MAPKAP1 MAPKAP1	5207.91686	5889.413682	5029.456457	
5790.396448				
MIR6853 MIR6853	7.028227881	14.21827756	16.07140355	
16.02682182				
MIR6852 MIR6852	1481.784712	1997.667997	1013.39128	
1700.728621				
MIR6840 MIR6840	18.74194102	4.062365016	88.39271955	
55.62249926				
MVB12B MVB12B	159.3064986	143.1983668	516.0706253	
460.0640617				
HIST3H2A	HIST3H2A	73.79639275	156.4010531	
205.3568232	115.9587696			
IL33 IL33	0 0	0 1.885508449		
FAM69B FAM69B	30.45565415	33.51451138	41.96422039	
46.19495701				
DDTL DDTL	1515.75448	1875.797046	1399.104965	
1066.255028				
EIF2A EIF2A	3143.960605	3502.774235	3997.315206	
3970.880795				
USP24 USP24	2832.375836	960.7493263	1956.246955	
2276.751453				
FBXL2 FBXL2	2.342742627	10.15591254	2.678567259	

12.25580492				
GCAT	GCAT	1185.427769	1599.556225	596.427643
772.11571				
AMMECR1	AMMECR1	1502.869395	1347.689594	950.891377
1023.831088				
REM2	REM2	5.856856567	8.124730032	45.5356434
20.74059294				
PRMT9	PRMT9	1069.462009	1351.751959	1550.890443
1228.408755				
TTLL3	TTLL3	653.6251929	240.6951272	660.7132572
488.3466884				
ANAPC1P1	ANAPC1P1		16.39919839	85.30966534
204.4639674	12.25580492			
GNGT2	GNGT2	750.8490119	1051.136948	340.1780419
502.4880018				
HSBP1L1	HSBP1L1	253.0162037	166.5569657	489.2849527
420.4683842				
FLJ32255	FLJ32255		1083.518465	1147.618117
5407.13444	2709.475642			
ZNF30-AS1	ZNF30-AS1		0	0.942754225
LOC101927190	LOC101927190		0	5.357134518
1.885508449				
UBAP2	UBAP2	2976.454508	3098.568916	2330.353515
2394.595731				
MAT2B	MAT2B	18356.55985	19399.82413	28985.66917
24761.43971				
SIGLEC9	SIGLEC9	19.91331233	4.062365016	8.92855753
5.656525348				
MANF	MANF	2722.266932	2940.13668	2486.603272
2342.744248				
MANBA	MANBA	456.8348122	658.1031326	1102.676855
816.4251586				
NAAA	NAAA	2384.911994	2208.910978	2559.817444
2456.81751				
SPTLC3	SPTLC3	9.370970508	0	21.68334717
RAB7A	RAB7A	14793.24832	18199.39527	17912.47212
16353.95754				
FANCG	FANCG	5480.846376	6620.639385	2840.17415
3293.040507				
ESPL1	ESPL1	5574.556081	3348.404365	1510.711934
2362.542087				
MICU3	MICU3	21.08468364	21.32741634	99.99984434
84.84788022				
MIOS	MIOS	2108.468364	1997.667997	1760.711545
2746.243057				
PYGB	PYGB	3946.349955	4586.410103	3794.63695
4354.581764				
EX01	EX01	4284.876265	5062.722401	2287.496439
3041.325129				
FXYD2	FXYD2	9.370970508	18.28064257	25.89281684

82.96237177					
ATP1B1	ATP1B1	518.9174919	599.1988399	330.3566286	
317.7081737					
ATF4	ATF4	7841.159572	8436.516547	12370.51646	
10885.04028					
MSR1	MSR1	0	0	1.785711506	3.771016899
DDT	DDT	1533.325049	1861.578769	1400.890677	
1090.766638					
AKR1C2	AKR1C2	0	1.015591254	0	3.771016899
DBP	DBP	440.4356139	537.2477734	1270.533737	
953.1245212					
LINC00950	LINC00950		3.51411394	0	7.142846024
12.25580492					
AOX1	AOX1	1.171371313	0	0	0
USP13	USP13	923.040595	896.7670773	555.3562784	
490.2321969					
JMJD7	JMJD7	694.6231889	662.1654976	1008.034145	
939.925962					
NDUFS7	NDUFS7	5743.23355	7739.820947	4208.92202	
4018.96126					
DCAF10	DCAF10	2074.498596	2082.977662	2699.995797	
2634.055304					
NPM1	NPM1	29266.71227	35308.04554	31805.30763	
31732.16445					
ZNF257	ZNF257	248.3307185	271.1628648	277.6781392	
357.3038512					
ACTL6A	ACTL6A	9257.34749	10501.21357	6355.34725	
7020.690711					
ZBTB7A	ZBTB7A	1892.936043	1989.543267	2160.710922	
1816.687391					
UACA	UACA	37.48388203	24.3741901	108.9284019	
96.16093092					
STMN3	STMN3	335.0121956	165.5413744	550.8919996	
619.3895256					
CYP3A7	CYP3A7	12.88508445	7.109138778	11.60712479	
18.85508449					
CYP1A2	CYP1A2	3.51411394	0	3.571423012	0
ATP2A2	ATP2A2	4399.670653	1293.863258	949.1056655	
1288.745025					
ATP2B4	ATP2B4	7842.330944	2201.801839	1565.176135	
3290.212244					
PIK3CG	PIK3CG	5448.047979	4022.756957	2139.282384	
2898.026487					
KIAA2013	KIAA2013		5908.396905	7619.981179	
5125.884878		4456.39922			
CD3EAP	CD3EAP	1254.538677	1785.409425	1443.747753	
1434.87193					
DGAT1	DGAT1	1509.897623	1510.184195	1549.104732	
1582.884343					
RGS17	RGS17	0	1.015591254	0	0.942754225

PRR34-AS1	PRR34-AS1	94.88107639	71.09138778	
217.8568037	120.6725408			
COPSA4 COPSA4	3715.589806	4099.941893	3753.565586	
3766.303128				
TRMT11 TRMT11	865.6434006	1008.482115	1224.105237	
1159.587696				
MET MET	38.65525334	16.24946006	0	7.542033798
IL3 IL3	16.39919839	77.18493531	1548.211876	
69.76381263				
CYP7A1 CYP7A1	0 0	0.892855753	0	
CYP2J2 CYP2J2	67.93953618	50.7795627	95.53556557	
70.70656685				
APBA3 APBA3	3623.051473	4063.380607	3251.780653	
2964.019283				
MIR27B MIR27B	1.171371313	0 0	0	
C16orf62	C16orf62	4500.408586	5096.236913	
2615.174501	3424.083344			
ZNRF1 ZNRF1	3616.023245	1135.431022	660.7132572	
2442.676196				
ZNF747 ZNF747	780.1332948	656.0719501	914.2842911	
716.4932108				
CYP24A1 CYP24A1	4.685485254	1.015591254	0.892855753	0
SPHKAP SPHKAP	0 0	0	1.885508449	
DAD1 DAD1	9668.498821	10332.62542	9405.342502	
8381.085058				
TMEM161B-AS1	TMEM161B-AS1	199.1331233	257.9601785	
360.7137242	254.5436407			
LINC00339	LINC00339	155.7923847	277.2564124	
588.3919412	248.8871153			
RASGRF2-AS1	RASGRF2-AS1	44.51210991	75.1537528	
124.1069497	115.0160154			
XKR9 XKR9	62.08267961	24.3741901	71.42846024	
169.6957604				
UNC119B UNC119B	1017.921671	430.6106917	731.2488617	
749.4896086				
SV2B SV2B	0 0	77.67845051	0	
POPDC2 POPDC2	105.4234182	88.3564391	125.8926612	
153.6689386				
NSMCE2 NSMCE2	2418.881762	2647.646399	1454.462022	
1735.610528				
ISLR ISLR	0 31.48332888	0	1.885508449	
MICU2 MICU2	2844.089549	2302.345373	3053.566675	
3179.91				
WLS WLS	1.171371313	0 0	0	
PLAC4 PLAC4	0 2.031182508	0	0	
GDF7 GDF7	0 0	0	7.542033798	
COX10-AS1	COX10-AS1	932.4115655	698.7267828	
346.4280322	463.8350786			
TBC1D14 TBC1D14	7964.15356	6990.314602	4335.707537	
5796.052974				

SLC6A6	SLC6A6	2495.020898	1883.921776	1441.962041
1565.914767				
C9orf3	C9orf3	265.9012882	319.911245	300.8923888
303.5668604				
ALS2CR11	ALS2CR11		0	2.031182508
5.656525348				16.07140355
NACA	NACA	17987.57789	22123.63988	17149.08045
17682.29824				
IDE	IDE	5747.919035	5761.449184	3972.315245
4147.175835				
CDC25C	CDC25C	1185.427769	1223.787461	383.9279738
609.0192292				
CCR8	CCR8	853.9296875	3484.493593	891.0700415
362.0176223				
CBL	CBL	2830.033093	1717.364811	1618.74748
2449.275476				
MFNG	MFNG	13352.4616	21587.4077	10883.01877
10341.07109				
SERPINE1	SERPINE1		28.11291152	61.9510665
43.7499319	25.45436407			
NOC3L	NOC3L	1901.135642	2048.447559	2199.996575
2249.41158				
SNRPB	SNRPB	23201.35161	29180.9835	14264.26351
14867.23412				
IFIT1	IFIT1	1181.913655	1747.832548	10823.19744
4182.057741				
ATP6AP2	ATP6AP2	9225.720465	9946.700742	11735.69602
10880.32651				
TMOD1	TMOD1	887.8994556	909.9697636	1198.212421
1180.328289				
FBXL6	FBXL6	2060.44214	1861.578769	1739.283007
1977.898363				
LOC100506713	LOC100506713		160.4778699	120.8553592
147.3211993	148.9551675			
TRG-AS1	TRG-AS1	452.149327	242.7263097	166.9640258
247.9443611				
POLD4	POLD4	2944.827482	3110.756011	2513.388945
2686.84954				
FDXACB1	FDXACB1	1152.629372	1488.856778	1308.033678
1548.945191				
TNRC6C-AS1	TNRC6C-AS1		491.9759517	158.4322356
573.2133934	516.6293151			
RRM2	RRM2	53756.57232	62285.19602	21499.96653
27410.57908				
D2HGDH	D2HGDH	947.6393926	694.6644178	613.3919023
642.9583813				
GLUD2	GLUD2	18.74194102	26.40537261	10.71426904
19.79783872				
TXNRD3	TXNRD3	94.88107639	72.10697904	117.8569594
166.8674978				

SNAP47	SNAP47	3538.712738	4478.75743	2868.745534	
2647.253863					
FCRL3	FCRL3	113.6230174	615.4483	902.6771663	
663.6989742					
C20orf144	C20orf144		3.51411394	1.015591254	
3.571423012	2.828262674				
OVCA2	OVCA2	4131.426623	5760.433593	3161.602221	
3130.88678					
ZNF558	ZNF558	550.5445173	470.2187506	1469.640569	
969.151343					
CAPN12	CAPN12	440.4356139	344.2854351	176.7854391	
280.940759					
ZNF420	ZNF420	672.3671339	629.6665775	2091.068174	
1335.882736					
ZNF582	ZNF582	155.7923847	105.6214904	477.6778279	
438.3807145					
TRIM67	TRIM67	0	1.015591254	0	0
TERF2	TERF2	2140.09539	2257.659358	2474.996147	
2107.055692					
TD02	TD02	0	1.015591254	0	0
MIR6843	MIR6843	0	0	0	0.942754225
MIR7848	MIR7848	17.5705697	14.21827756	27.67852834	
16.96957604					
SPINK2	SPINK2	0	1.015591254	227.678217	45.25220279
KRTAP12-4	KRTAP12-4	0	0	3.571423012	0
DNAJC14	DNAJC14	4191.16656	5465.912129	5420.527277	
4507.307948					
ACBD6	ACBD6	1743.000514	2547.102865	1925.889859	
1867.596119					
SNRNP48	SNRNP48	884.3853417	547.4036859	683.0346511	
719.3214735					
FAM81B	FAM81B	1.171371313	0	0.892855753	0
ING5	ING5	1593.064986	1505.106239	1849.104265	
1582.884343					
ACOT4	ACOT4	151.1068994	212.2585721	456.2492898	
269.6277083					
FRMD6	FRMD6	186.2480388	271.1628648	286.6066967	
131.9855915					
PRADC1	PRADC1	982.780532	1724.473949	1290.176563	
898.4447762					
NOA1	NOA1	1617.663784	1952.981982	1933.032705	
1630.022055					
POLDIP3	POLDIP3	9228.063207	9868.500216	10162.48418	
8732.732384					
FAM228B	FAM228B	99.56656164	159.4478269	152.6783338	
128.2145746					
LURAP1	LURAP1	0	15.23386881	22.32139383	5.656525348
POU4F1	POU4F1	3.51411394	0	0	0
POU2AF1	POU2AF1	748.5062693	263.0381348	179.4640064	
329.9639787					

CCNE1	CCNE1	5435.162894	4892.103071	2081.24676	
2966.847545					
S100A10	S100A10	8453.786769	11954.52465	6127.669033	
5413.294758					
LGALS7B	LGALS7B	0	1.015591254	0.892855753	0
PURG	PURG	0	0	0.892855753	0
MDC1	MDC1	16.39919839	0	0	23.56885562
SKP1	SKP1	18849.70718	23987.24983	23599.07041	
22514.85639					
SRSF6	SRSF6	4129.08388	3770.890326	3654.458597	
3141.257077					
C1orf200	C1orf200		261.2158029	113.7462205	
152.6783338	167.810252				
C22orf23	C22orf23		17.5705697	30.46773762	
24.10710533	27.33987252				
HIATL1	HIATL1	7813.046661	9996.464714	7984.808999	
6796.315206					
ZHX3	ZHX3	405.2944745	445.8445605	287.4995525	
515.6865609					
RIMKLB	RIMKLB	16.39919839	15.23386881	326.7852056	
377.1016899					
ZNF583	ZNF583	342.0404235	372.7219902	877.6772052	
625.9888052					
ZDHHC4	ZDHHC4	1335.363297	1492.919143	1675.890248	
1422.616125					
SLC22A20	SLC22A20		7.028227881	1.015591254	0
	7.542033798				
APLF	APLF	406.4658458	628.6509863	466.9635588	
473.2626208					
PHLDB2	PHLDB2	363.1251072	366.6284427	142.8569205	
125.3863119					
YIPF6	YIPF6	1443.129458	1803.690067	1573.211837	
1482.009641					
RPS8	RPS8	11805.0801	11700.62684	10008.02014	
11028.33892					
PELI2	PELI2	199.1331233	66.01343151	563.3919802	
372.3879188					
UBE2Q1	UBE2Q1	2370.855538	798.2547257	799.9987547	
874.8759205					
SERPINF1	SERPINF1		45.68348122	38.59246765	
48.21421066	47.13771124				
KATNB1	KATNB1	3166.21666	3918.151058	2734.817172	
2159.849929					
USP15	USP15	8228.883477	9118.99387	9925.877406	
9800.87292					
TMPRSS11D	TMPRSS11D		2.342742627	1.015591254	0
0					
ARHGEF6	ARHGEF6	14710.08095	17101.54113	6125.883322	
9527.474195					
GALNT6	GALNT6	291.6714571	638.8068988	254.4638896	

445.9227483				
RPL35	RPL35	11372.84408	13435.2567	11145.51837
9935.686774				
CPNE3	CPNE3	4350.473058	4260.405311	5084.813514
5769.655855				
BCL2L13	BCL2L13	2953.027081	3900.886007	4168.743511
3273.242668				
SRI	SRI	10696.96283	11452.82257	6617.846841
8433.879294				
HIST1H2BI	HIST1H2BI		19.91331233	12.18709505
9.821413283	5.656525348			
HIST1H2BH	HIST1H2BH		236.6170053	167.5725569
111.6069691	197.9783872			
TET1	TET1	241.3024906	143.1983668	71.42846024
169.6957604				
PLXNA2	PLXNA2	11.71371313	12.18709505	2.678567259
1.885508449				
SAMM50	SAMM50	4781.537702	6333.22706	3858.029709
3573.981266				
NUFIP2	NUFIP2	2599.272945	1087.698233	2611.603078
1927.93239				
VAC14	VAC14	2956.541195	4138.53436	4372.314623
3807.784314				
TREML2	TREML2	753.1917546	1182.14822	1076.784038
843.7650311				
EHD3	EHD3	554.0586313	240.6951272	286.6066967
428.010418				
ESPN	ESPN	11.71371313	9.140321286	33.92851862
17.91233027				
TMEM63B	TMEM63B	292.8428284	204.1338421	232.1424958
278.1124963				
PI4K2A	PI4K2A	1864.823131	2781.704445	2234.81795
1555.544471				
MARCKS	MARCKS	38.65525334	19.29623383	2.678567259
21.68334717				
LRPAP1	LRPAP1	4467.61019	7325.459715	6094.63337
4596.8696				
HSD11B2	HSD11B2	11.71371313	12.18709505	0.892855753
5.656525348				
IL2RG	IL2RG	65296.9225	81112.22669	46112.42822
51629.93512				
HPS1	HPS1	7263.673515	7475.767221	5240.170415
7024.461728				
FM04	FM04	146.4214142	160.4634181	116.9641036
182.8943196				
XRCC6	XRCC6	43023.29697	58632.11428	39132.9748
40650.61942				
PLRG1	PLRG1	5540.586313	6983.205463	6613.382563
5568.849205				
PLP2	PLP2	2903.829486	3037.633441	4320.528989

4233.909223					
ATP6V1B2	ATP6V1B2		10974.57784		13471.81799
8631.236565	9620.806863				
CCDC64B	CCDC64B	0	1.015591254	0.892855753	4.713771124
ZNF674	ZNF674	94.88107639	50.7795627		87.4998638
103.7029647					
STXBP5	STXBP5	1347.07701	1573.150853		1627.676038
1564.029259					
DCAF12L2	DCAF12L2	0	7.109138778	0	0
TMC3	TMC3	15.22782708	6.093547524		29.46423985
35.82466054					
TMEM64	TMEM64	2663.698367	2543.0405		2171.425191
2334.25946					
GPR85	GPR85	0	0	0.892855753	0
EPHB2	EPHB2	3.51411394	4.062365016	0	0
ZNF207	ZNF207	18358.9026	19954.33696		12502.65911
15154.77416					
MFSD2A	MFSD2A	359.6109932	644.9004463		489.2849527
406.3270709					
CBFA2T3	CBFA2T3	39.82662466	2.031182508		22.32139383
11.3130507					
DQX1	DQX1	15.22782708	20.31182508		11.60712479
7.542033798					
AKT2	AKT2	1582.522644	629.6665775		514.2849137
651.4431693					
EEF1E1	EEF1E1	3966.263267	4371.104757		3124.995136
3682.398002					
RFX8	RFX8	16.39919839	10.15591254		9.821413283
3.771016899					
GATA2	GATA2	0	1.015591254	0	0
TMOD2	TMOD2	114.7943887	126.9489068		264.2853029
395.0140202					
FAM13B	FAM13B	1669.204122	1201.444454		1955.354099
2109.883955					
ARL2BP	ARL2BP	4123.227023	5863.00831		7574.988209
5583.933273					
AP3M1	AP3M1	7217.990034	7321.39735		5669.634032
7042.374059					
FZD8	FZD8	3.51411394	0	0	0
HORMAD2	HORMAD2	8.199599194	3.046773762	0	0
LCA5L	LCA5L	29.28428284	26.40537261		29.46423985
37.71016899					
CHD4	CHD4	8297.994385	5440.522348		5824.098077
6145.814791					
UST	UST	77.31050669	243.741901		438.3921747
448.751011					
PRPH	PRPH	0	3.046773762	0	0
MBD3	MBD3	3739.017233	4231.968756		3071.42379
3210.078135					
LECT1	LECT1	0	0	93.74985407	0

UXT-AS1	UXT-AS1	1147.943887	1426.905712	1298.212265	
1202.954391					
THAP11	THAP11	5011.126479	6501.815208	7250.88157	
5533.967299					
MRPL14	MRPL14	4180.624218	6322.055556	3284.816315	
3672.027705					
LINC01461	LINC01461		3.51411394	1.015591254	0
0					
LINC01050	LINC01050		0	1.015591254	0
PRPF40B	PRPF40B	507.2037787	453.9692906	641.9632864	0
615.6185087					
ORMDL2	ORMDL2	3717.932549	4096.895119	2903.566909	
3283.612965					
TAPT1-AS1	TAPT1-AS1		26.94154021	23.35859884	
74.99988325	58.45076193				
RNF122	RNF122	25.7701689	9.140321286	6.249990271	
18.85508449					
MLLT4-AS1	MLLT4-AS1		7.028227881	1.015591254	
4.464278765	0				
CDH2	CDH2	31.62702546	0	96.16093092	
CD47	CD47	11911.67489	9742.5669	9738.377698	
12598.96746					
SGPL1	SGPL1	2787.863726	1547.761071	1991.961185	
2136.281073					
WBP4	WBP4	955.8389918	1030.825123	979.4627611	
998.376724					
CEP250	CEP250	4930.301858	4687.969229	3015.173878	
3455.194234					
DAB2	DAB2	1.171371313	0	23.21424958	0
ANXA5	ANXA5	20262.38098	21066.40938	9691.949199	
10933.12074					
RHCG	RHCG	0	0	8.484788022	
FAM200A	FAM200A	481.4336098	398.1117716	1033.926962	
780.6004981					
FAM72A	FAM72A	652.4538216	894.7358948	195.5354099	
507.2017729					
DPH3	DPH3	2728.123789	2562.336734	3125.887991	
2684.021278					
EDC3	EDC3	3907.694702	5059.675628	3540.173061	
3282.67021					
SEMA4D	SEMA4D	11432.58402	7682.947837	10399.09096	
12083.2809					
LINC00999	LINC00999		101.9093043	60.93547524	
105.3569789	129.1573288				
ZNF252P	ZNF252P	247.1593471	201.0870683	766.9630919	
779.6577438					
CEP83-AS1	CEP83-AS1		42.16936728	58.90429273	
56.24991244	19.79783872				
C6orf164	C6orf164		0	10.15591254	14.28569205
0					

HNRNPU-AS1	HNRNPU-AS1	2613.3294	2512.572763
2208.925133	2447.389967		
ZNF252P-AS1	ZNF252P-AS1	22.25605496	20.31182508
135.7140745	92.38991402		
DYRK4 DYRK4	631.369138	769.8181706	458.9278571
575.0800771			
LOC339807	LOC339807	0 0	33.92851862
5.656525348			
LOC440704	LOC440704	0 0	0 1.885508449
PROC PROC	0 0	15.1785478	15.0840676
AKAP12 AKAP12	35.1411394	22.34300759	42.85707615
35.82466054			
LRBA LRBA	7264.844886	2078.915297	1884.818495
2808.464835			
WBSCR27 WBSCR27	74.96776406	4.062365016	15.1785478
75.42033798			
PROZ PROZ	24.59879758	11.17150379	11.60712479
8.484788022			
NKX2-4 NKX2-4	3.51411394	0 1.785711506	0
CCND1 CCND1	24.59879758	16.24946006	103.5712674
62.22177883			
THEM4 THEM4	1669.204122	2617.178662	2983.923927
2261.667385			
NEXN NEXN	16.39919839	9.140321286	300.8923888
128.2145746			
FAM64A FAM64A	718.0506152	1113.088014	333.9280516
532.656137			
SLC7A1 SLC7A1	3775.329743	1919.46747	1964.282657
2534.123356			
LRP4 LRP4	2.342742627	5.07795627	24.10710533
4.713771124			
RAB3B RAB3B	8.199599194	2.031182508	1.785711506
34.88190631			
ADM ADM	0 0	25.89281684	2.828262674
RPS17 RPS17	3.51411394	5.07795627	7.142846024
3.771016899			
PZP PZP	2.342742627	1.015591254	0 0.942754225
LRRC24 LRRC24	685.2522184	639.8224901	1112.498268
1072.854308			
RPL6 RPL6	7185.191637	8489.327293	7069.631852
7558.06062			
CLPB CLPB	1595.407729	2030.166917	1229.462372
1093.594901			
ZNF320 ZNF320	130.0222158	108.6682642	561.6062687
477.9763919			
NIPAL1 NIPAL1	10.54234182	12.18709505	42.85707615
16.96957604			
PPIG PPIG	3167.388032	2964.510871	3736.601326
3845.494483			
RPL19 RPL19	17945.40852	23400.23808	25428.53185

23226.63583					
COL15A1 COL15A1	14.05645576	6.093547524	32.14280711	0	
IFT81 IFT81	94.88107639	120.8553592	153.5711895		
169.6957604					
SYNC SYNC	6771.697563	6327.133513	5606.241273		
6581.367243					
CRYZ CRYZ	1661.004522	4901.243392	3050.888108		
1391.505236					
UBE2A UBE2A	7193.391236	7631.152683	4683.92128		
5236.056964					
MIR580 MIR580	0 0	2.678567259	2.828262674		
ANKRD2 ANKRD2	9.370970508	28.43655511	0 9.427542247		
LINC00896	LINC00896	8.199599194	1.015591254		
26.78567259	10.37029647				
FRMPD3 FRMPD3	0 0	1.785711506	0		
MIRLET7A3	MIRLET7A3	2.342742627	0 3.571423012		
1.885508449					
ZNF451 ZNF451	4535.549726	3285.437707	4014.279466		
4232.023715					
RD3L RD3L	1.171371313	0 2.678567259	0		
SHANK3 SHANK3	2.342742627	0 0	0		
GTSCR1 GTSCR1	0 0	41.07136464	6.599279573		
BOLA3-AS1	BOLA3-AS1	62.08267961	99.5279429		
189.2854196	115.9587696				
PJA2 PJA2	8376.476263	7057.343624	9222.307073		
9928.14474					
SRRM1 SRRM1	7653.740162	8848.846597	8697.30789		
8669.56785					
ZBTB32 ZBTB32	3553.940565	7003.517288	1339.28363		
1413.188583					
IRX5 IRX5	3.51411394	0 1.785711506	0		
MMADHC MMADHC	9823.119835	10423.01304	6627.668255		
7032.946516					
SNTB1 SNTB1	735.6211849	819.582142	2067.853924		
1795.946798					
IFT52 IFT52	1071.804752	1189.257358	1392.854975		
843.7650311					
STK36 STK36	1020.264414	839.8939671	1119.641114		
916.3571064					
HMX2 HMX2	2.342742627	6.093547524	4.464278765		
4.713771124					
LOC101928043	LOC101928043	10.54234182	9.140321286		
10.71426904	9.427542247				
CCSER2 CCSER2	2883.916174	4066.427381	7971.416163		
6607.764361					
BCORP1 BCORP1	142.9073002	0 0	160.2682182		
DDR2 DDR2	4.685485254	1.015591254	0 8.484788022		
FAM166A FAM166A	4300.104092	6096.594298	2565.174578		
3250.616567					
C5orf58 C5orf58	7.028227881	3.046773762	7.142846024		

17.91233027					
FAM25G	FAM25G	0	0	1.785711506	0
ABHD12	ABHD12	2826.518979		3455.041446	1949.996965
2360.656579					
FOSB	FOSB	29.28428284		34.53010264	54.46420093
35.82466054					
GABRA2	GABRA2	0	0	0.892855753	0
WASF3	WASF3	4.685485254		0	0
MESDC2	MESDC2	5186.832176		6790.243125	4154.457819
4236.737486					
KIAA1045	KIAA1045			3.51411394	11.17150379
					0
36.76741476					
OTC	OTC	1.171371313		2.031182508	2.678567259
3.771016899					
G3BP2	G3BP2	17731.04757		19063.66343	16683.00975
16773.48317					
OSBPL11	OSBPL11	1683.260577		1402.531522	1158.033912
1016.289054					
TRIM73	TRIM73	15.22782708		11.17150379	34.82137437
25.45436407					
LRP1B	LRP1B	0	0	0.892855753	13.19855915
SLC39A5	SLC39A5	15.22782708		5.07795627	0.892855753
10.37029647					
LAPTM5	LAPTM5	32889.76374		29431.83454	16506.22431
21328.87158					
CMYA5	CMYA5	9.370970508		5.07795627	0
TSPAN17	TSPAN17	3877.239048		3827.763437	23.56885562
3721.993679					
ASB15	ASB15	0	0	0.892855753	0
SLC16A14	SLC16A14			146.4214142	72.10697904
17.85711506					
KIAA0232	KIAA0232	86.73338867		1910.506612	1841.266944
1843.74713					
TIMM17B	TIMM17B	3175.587631		3639.879055	3157.137943
3001.729451					
FRMD4A	FRMD4A	21.08468364		27.42096386	34.82137437
39.59567744					
ATG4A	ATG4A	1173.714056		1481.74764	1414.283513
1548.002437					
MRPS33	MRPS33	2502.049126		3052.86731	2374.996303
2116.483234					
TSGA13	TSGA13	10.54234182		10.15591254	3.571423012
6.599279573					
BMI1	BMI1	4100.970968		3372.778555	5024.992178
4933.432858					
ATP5G2	ATP5G2	10372.49298		8280.115494	6441.954258
8107.686333					
ATP5C1	ATP5C1	13707.38711		17262.00455	9320.521206
10951.03307					
FAM229A	FAM229A	3.51411394		0	8.92855753
5.656525348					

COX7B	COX7B	9136.696245	8668.071353	6526.775555
6680.356436				
COX6B1	COX6B1	8547.496474	8143.010675	5475.884333
5441.577385				
CSNK1A1	CSNK1A1	11424.38442	12139.36226	11582.12483
11649.61395				
ARMC12	ARMC12	11.71371313	5.07795627	8.92855753
9.427542247				
PRRT3	PRRT3	626.6836527	1109.025649	841.0701194
675.9547791				
SIPA1	SIPA1	11062.43068	12308.966	4774.099711
7916.307225				
IVNS1ABP	IVNS1ABP		11521.60824	16159.07244
19278.54142	14927.57039			
WIPI1	WIPI1	1307.250386	1432.999259	917.8557141
1096.423163				
C9orf89	C9orf89	1663.347265	2346.015797	1678.568816
1555.544471				
NFIA	NFIA	25.7701689	21.32741634	113.3926806
115.0160154				
ABCA3	ABCA3	189.7621528	230.5392147	151.785478
246.0588527				
ENDOV	ENDOV	434.5787573	519.9827221	503.5706447
411.9835962				
IFITM3	IFITM3	10.54234182	733.2568854	5025.885034
79.19135488				
MAGEE1	MAGEE1	148.7641568	39.60805891	135.7140745
165.9247436				
ABHD17B	ABHD17B	2670.726595	2760.377029	1780.354372
1800.660569				
MAP3K10	MAP3K10	87.85284851	14.21827756	43.7499319
32.05364364				
BSG	BSG	18766.53981	22591.82745	14498.19172
14843.66527				
CALHM3	CALHM3	1.171371313	15.23386881	0 5.656525348
CBLB	CBLB	6655.731803	3612.458091	4680.349857
6341.90767				
KMT2E-AS1	KMT2E-AS1		360.7823645	253.8978135
464.2849916	352.59008			
TAOK3	TAOK3	4180.624218	5079.987453	3795.529806
3988.793125				
MMS19	MMS19	4803.793757	4613.831067	5493.741448
5767.770347				
POLRMT	POLRMT	4455.896476	5937.146471	5132.134868
4422.460068				
LPA	LPA	0	2.031182508	3.571423012 0
ARL6IP1	ARL6IP1	36601.83943	36349.02657	19245.50576
26219.8805				
BAGE5	BAGE5	0	0	0.942754225
EED	EED	6832.608871	6658.216262	6619.632553

7417.59024					
CHRND	CHRND	2.342742627	1.015591254	7.142846024	0
MAMDC4	MAMDC4	78.481878	27.42096386	64.28561422	
48.08046546					
HDHD3	HDHD3	872.6716285	1163.867577	1662.497412	
1240.66456					
LOC101927814	LOC101927814		5.856856567	8.124730032	
8.035701777	0				
ANKRD20A1	ANKRD20A1		2.342742627	1.015591254	0
	2.828262674				
EMC7	EMC7	5538.24357	7204.604356	4376.778901	
3744.619781					
ZNF713	ZNF713	66.76816487	51.79515396	119.6426709	
98.04643937					
PHF1	PHF1	59.73993699	66.01343151	647.3204209	
400.6705455					
SNRNP25	SNRNP25	5158.719264	4769.216529	1610.711778	
3102.604154					
SH3BGRL3	SH3BGRL3		62239.64337	66476.54113	
30499.05967	41275.66547				
EIF2B3	EIF2B3	2338.057142	3544.413477	2077.675337	
2441.733442					
C8orf44	C8orf44	112.4516461	147.2607318	247.3210436	
188.5508449					
HSPA2	HSPA2	372.4960777	485.4526194	448.213588	
345.9908005					
AK5	AK5	14.05645576	16.24946006	314.2852251	
279.0552505					
HSH2D	HSH2D	4372.729113	4636.174075	3017.852445	
2446.447213					
ZNF335	ZNF335	3596.109932	2565.383508	2880.352659	
2413.450815					
LOC101927478	LOC101927478		1.171371313	4.062365016	
2.678567259	7.542033798				
LOC102724058	LOC102724058		2.342742627	4.062365016	
16.07140355	1.885508449				
HNRNPA1L2	HNRNPA1L2		578.6574288	611.3859349	
1460.712012	960.666555				
ANXA2R	ANXA2R	299.8710562	340.2230701	1024.998404	
567.5380433					
ZNF544	ZNF544	1555.581104	1636.11751	1627.676038	
1459.38354					
CSTF2T	CSTF2T	2767.950414	1716.349219	2195.532297	
2402.137765					
TINAG	TINAG	0	0	8.035701777	0
XKR8	XKR8	927.7260803	1397.453566	1095.534009	
901.2730388					
RPL10	RPL10	19059.38264	24225.91377	26053.53087	
24090.1987					
ACTR5	ACTR5	1110.460005	1496.981508	1781.247227	

1351.909558						
ITGA1 ITGA1	630.1977666	870.3617047	598.2133545			
702.3518974						
LZTS1 LZTS1	285.8146005	216.3209371	171.4283046			
194.2073703						
FAM92A1 FAM92A1	64.42542224	99.5279429	80.35701777			
60.33627038						
SHE SHE	1.171371313	1.015591254	4.464278765			0
SERPINH1 SERPINH1	609.0192292	381.8670482	471.2343419			
741.9631308						
LCMT1 LCMT1	1965.561064	2706.550692	2068.74678			
2114.597726						
MAMDC2-AS1 MAMDC2-AS1		0 0	1.785711506			0
LOC100505622 LOC100505622		83.16736326	99.5279429			
96.42842133	70.70656685					
LOC339666 LOC339666		4.685485254	2.031182508			
2.678567259	22.62610139					
SH2D3A SH2D3A	671.1957626	1018.638028	1403.569244			
1204.839899						
TOM1L1 TOM1L1	163.9919839	172.6505132	157.1426125			
181.9515654						
DIAPH1 DIAPH1	20276.43744	11083.14736	6895.524981			
9757.506226						
MFSD9 MFSD9	912.4982532	1002.388568	919.6414256			
914.471598						
NSMCE1 NSMCE1	4410.212995	4933.742312	4667.849877			
4391.349179						
CCDC138 CCDC138	1133.887431	832.7848283	454.4635783			
774.9439727						
NBPF1 NBPF1	51.54033779	78.20052656	589.284797			
478.9191462						
KCNS2 KCNS2	1.171371313	0 0	0			
SCAF4 SCAF4	6781.068534	7443.268301	6876.77501			
7130.050202						
SNX13 SNX13	1880.050958	1580.259991	1867.854235			
2053.318701						
CERS6 CERS6	6065.360661	3802.373655	3489.280283			
3329.807922						
RGP1 RGP1	777.7905521	662.1654976	582.141951			
654.271432						
PAFAH1B3 PAFAH1B3		1636.405725	2192.661517			
1465.176291	1602.682182					
CAAP1 CAAP1	1676.23235	1314.175083	1359.819312			
1436.757438						
SLC25A29 SLC25A29		282.3004865	378.8155378			
243.7496206	164.0392351					
KCNIP2-AS1 KCNIP2-AS1		14.05645576	12.18709505			
28.5713841	10.37029647					
LINC00536 LINC00536		2.342742627	0 0			0
LINC00260 LINC00260		32.79839678	18.28064257			

28.5713841	30.16813519		
SLC25A46	SLC25A46	6651.046318	6751.650657
2724.102902	3841.723466		
HSF2BP HSF2BP	24.59879758	18.28064257	82.14272928
29.22538097			
CCDC47 CCDC47	8321.421811	8394.877306	5982.133545
6784.059401			
RAB25 RAB25	0 0	15.1785478	30.16813519
TXNDC16 TXNDC16	1068.290638	822.6289158	580.3562395
630.7025763			
GCNT3 GCNT3	0 2.031182508 0	0	0
RNVU1-20	RNVU1-20	90.19559114	42.65483267
9.821413283	40.53843166		
MORC1 MORC1	0 0	0.892855753	2.828262674
C6orf201	C6orf201	1292.022559	1890.015324
2523.210358	2226.785479		
ZNF154 ZNF154	158.1351273	43.67042392	183.9282851
263.9711829			
GJA3 GJA3	22.25605496	16.24946006	9.821413283
12.25580492			
SLC18B1 SLC18B1	590.371142	528.1074521	1024.998404
930.4984198			
ZNF813 ZNF813	412.3227023	293.5058724	616.9633253
860.7346072			
IFNGR2 IFNGR2	156.963756	259.991361	2328.567804
1792.175781			
CXorf40B	CXorf40B	1774.62754	3252.938787
2447.317619	1923.218618		
EVX2 EVX2	0 1.015591254 0	0	0
ZNF799 ZNF799	336.183567	362.5660777	622.3204599
577.9083398			
SMG9 SMG9	1580.179902	1126.290701	867.8557919
963.4948177			
OGFOD2 OGFOD2	1390.417749	1609.712138	1405.354955
1424.501634			
FASTKD1 FASTKD1	2134.238533	2169.302919	1188.391007
1278.374729			
PDPK1 PDPK1	2914.371828	2502.41685	3165.173644
3253.444829			
GCFC2 GCFC2	1225.254394	1221.756279	1321.426514
1490.494429			
ZNF768 ZNF768	79.65324932	72.10697904	248.2138993
172.5240231			
DNAJC6 DNAJC6	311.5847694	885.5955735	399.1065216
373.330673			
SOBP SOBP	11.71371313	11.17150379	16.07140355
3.771016899			
ARGLU1 ARGLU1	4591.775549	3845.028488	3800.886941
4183.943249			
TCEA3 TCEA3	3.51411394	41.63924142	571.4276819

366.7313934				
CASP7	CASP7	2543.047122	3304.733941	3492.851706
2811.293098				
MCAT	MCAT	818.7885481	1086.682642	687.4989298
727.8062615				
ATP11AUN	ATP11AUN		2.342742627	2.031182508
8.035701777	0			
KCNMB3	KCNMB3	44.51210991	31.48332888	43.7499319
55.62249926				
ZNF737	ZNF737	411.151331	406.2365016	983.0341841
782.4860065				
DISP2	DISP2	36.31251072	89.37203036	106.2498346
1.885508449				
CLDN8	CLDN8	0	0	0.942754225
CNTD1	CNTD1	2613.3294	2915.76249	2673.210125
3018.699028				
SNW1	SNW1	6887.663323	8218.164428	6926.774932
7322.372063				
PLEK2	PLEK2	8.199599194	7.109138778	248.2138993
265.8566914				
KHDC1L	KHDC1L	2.342742627	2.031182508	0
EHBP1L1	EHBP1L1	2875.716575	1634.086328	762.4988131
1510.292268				
ANKRD33	ANKRD33	0	0.892855753	0
LPCAT1	LPCAT1	4594.118291	4220.797252	2690.174384
3849.2655				
C5orf28	C5orf28	866.814772	932.3127712	1136.605374
1145.446383				
ARAP3	ARAP3	126.5081019	49.76397145	42.85707615
28.28262674				
TRMT44	TRMT44	641.9114798	796.2235432	824.9987158
732.5200326				
BUD31	BUD31	5797.11663	7371.161322	6316.954453
5789.453694				
MNT	MNT	73.79639275	26.40537261	47.32135491
47.13771124				
DDX4	DDX4	0	1.015591254	0
BRD7	BRD7	3371.20664	4239.077894	3719.637067
4090.610581				
VGf	VGf	0	1.015591254	0
CEBPZ	CEBPZ	3386.434467	4732.655244	6501.775594
5946.89365				
VPS37D	VPS37D	0	0	5.357134518
COL6A5	COL6A5	0	0	0.942754225
LPIN1	LPIN1	3155.674318	2707.566283	5600.884139
5418.008529				
ATPAF2	ATPAF2	1259.224162	1901.186828	1333.926495
906.9295642				
GP1BB	GP1BB	0	0	8.92855753
ZNF774	ZNF774	29.28428284	67.02902277	27.67852834

27.33987252					
CHIC1	CHIC1	182.7339249	139.1360018	178.5711506	
212.1197006					
COA3	COA3	3273.982821	4151.737047	2432.139071	
2482.271874					
SPATA7	SPATA7	153.4496421	127.964498	118.7498152	
169.6957604					
ZC2HC1A	ZC2HC1A	736.7925562	1322.299813	653.5704112	
759.8599051					
ACBD3	ACBD3	3019.795246	3431.682847	3409.816121	
3258.158601					
FN3KRP	FN3KRP	2936.627883	4523.443446	3413.387544	
2936.67941					
ZNF329	ZNF329	165.1633552	80.23170907	455.356434	
395.9567744					
ZC3H14	ZC3H14	4033.031432	4736.717609	3910.708198	
4262.19185					
EIF1	EIF1	28806.36334	33117.4152	46931.17695	
33181.17769					
STK3	STK3	456.8348122	365.6128515	456.2492898	
629.7598221					
RXRG	RXRG	0	2.031182508	0	2.828262674
POC5	POC5	1520.439965	1601.587408	1357.140745	
1665.846715					
KIAA1324L	KIAA1324L		153.4496421	255.928996	
424.1064827	451.5792736				
RIN3	RIN3	3152.160205	3884.636547	1643.747441	
1580.056081					
FUT11	FUT11	839.8732318	815.519777	920.5342814	
1000.262232					
DMBX1	DMBX1	2.342742627	9.140321286	0	0
SPAG1	SPAG1	898.4417974	611.3859349	481.2492509	
467.6060955					
LEPREL2	LEPREL2	12.88508445	8.124730032	321.4280711	
172.5240231					
MTMR14	MTMR14	5108.350298	7206.635539	5169.63481	
4319.699858					
BCL3	BCL3	7062.197649	5551.221795	2678.567259	
4792.019724					
ARHGAP42	ARHGAP42		18.74194102	27.42096386	0
	6.599279573				
R3HDM2	R3HDM2	1170.199942	771.8493531	1206.248122	
1491.437184					
SCN1B	SCN1B	1.171371313	3.046773762	31.24995136	
17.91233027					
CLDN11	CLDN11	0	0	14.28569205	0
BDKRB2	BDKRB2	0	0	0	0.942754225
MTHFD2L	MTHFD2L	208.5040938	194.9935208	195.5354099	
158.3827098					
KLF15	KLF15	0	0	3.571423012	7.542033798

WDR7	WDR7	4061.144344	3338.248452	2439.281917
3148.799111				
HAUS5	HAUS5	2971.769022	3048.804945	1780.354372
1978.841118				
PRR14	PRR14	1943.305009	1220.740687	1283.033717
1142.61812				
ZFYVE26	ZFYVE26	1157.314858	409.2832754	931.2485504
881.4752001				
WBSCR16	WBSCR16	3630.0797	4762.10739	2873.209813
3070.55051				
RAB41	RAB41	19.91331233	32.49892013	12.49998054
7.542033798				
TANG06	TANG06	2308.772859	2993.963017	2341.96064
2592.574118				
TEX28	TEX28	0	3.046773762	0
0R52I1	OR52I1	7.028227881	0	0
LING03	LING03	407.6372171	375.768764	216.0710922
200.8066499				
SLITRK1	SLITRK1	2.342742627	0	0
CENPP	CENPP	1316.621356	1542.683115	853.5700999
1034.201385				
PEX3	PEX3	2049.899799	2823.343686	2092.853885
2228.670987				
CERS2	CERS2	7673.653474	9070.24549	7044.631891
7641.022991				
ZNF90	ZNF90	107.7661608	150.3075056	213.392525
107.4739816				
CEP131	CEP131	953.4962492	983.0923339	568.7491147
557.1677468				
TCP1	TCP1	24696.0214	28768.65345	22263.3582
23848.85362				
CCDC64	CCDC64	1167.8572	483.4214369	741.070275
1220.866721				
GPR174	GPR174	878.5284851	597.1676574	1044.641231
1349.081296				
ZNF385C	ZNF385C	51.54033779	62.96665775	93.74985407
90.50440557				
FAM134B	FAM134B	658.3106782	813.4885945	1932.13985
1751.63735				
SBF1	SBF1	10501.34383	4123.300491	4237.493404
4155.660623				
MIR7705	MIR7705	551.7158886	186.8687907	344.6423207
547.7402046				
CCDC15	CCDC15	746.1635267	491.546167	311.6066578
331.8494871				
ATAD5	ATAD5	2831.204465	2047.431968	1194.640998
1629.0793				
ZKSCAN3	ZKSCAN3	336.183567	413.3456404	486.6063854
390.300249				
ATP10A	ATP10A	1614.14967	1903.21801	2262.496478

1972.241838					
GMEB1	GMEB1	1645.776695	1717.364811	1697.318787	
1434.87193					
VPREB3	VPREB3	3.51411394	3.046773762	0	0
GZMB	GZMB	19284.28593	18211.58237	37291.90624	
52931.8787					
GNG11	GNG11	3.51411394	6.093547524	0	13.19855915
GIP	GIP	0	0	1.885508449	
GBP2	GBP2	21499.34909	19197.72148	33099.94848	
30630.08476					
LILRA4	LILRA4	4.685485254	0	0	0.942754225
FXYD7	FXYD7	28.11291152	33.51451138	47.32135491	
54.67974503					
TIGIT	TIGIT	1901.135642	5308.495485	4647.314195	
4700.572564					
TMEM101	TMEM101	1692.631548	2176.412057	1649.104576	
1313.256635					
ARL15	ARL15	619.6554248	420.4547792	369.6422818	
653.3286777					
ZFYVE20	ZFYVE20	1740.657772	1446.201946	2245.532219	
1679.988028					
PHF7	PHF7	612.6271969	678.4149577	594.6419315	
476.0908835					
EFCAB5	EFCAB5	176.8770683	167.5725569	106.2498346	
82.01961755					
ATP11B	ATP11B	7978.210016	5911.75669	4878.563835	
5865.816786					
GSE1	GSE1	409.9799597	291.4746899	155.356901	
358.2466054					
FBXW9	FBXW9	566.9437157	738.3348417	505.3563562	
407.2698251					
FAM83A-AS1	FAM83A-AS1		0	0	0
LZTS3	LZTS3	37.48388203	27.42096386	258.9281684	3.771016899
163.0964809					
NDUFAF1	NDUFAF1	2246.690179	2533.900179	1913.389879	
1842.141755					
FUCA1	FUCA1	590.371142	1177.070263	1238.390929	
1408.474812					
AC01	AC01	1225.254394	1284.722936	1933.032705	
1577.227818					
EEF1A2	EEF1A2	0	3.046773762	16.07140355	3.771016899
DUSP3	DUSP3	326.8125965	364.5972602	949.1056655	
982.3499022					
PLCB3	PLCB3	297.5283136	110.6994467	202.6782559	
115.0160154					
RARRES2	RARRES2	1.171371313	16.24946006	49.99992217	
0.942754225					
RANGAP1	RANGAP1	8404.589174	11229.3925	8053.558892	
8484.788022					
PDE1B	PDE1B	187.4194102	186.8687907	155.356901	

259.2574118						
PDE4C	PDE4C	0	0	0	1.885508449	
PDE3B	PDE3B	8786.456222		7926.689738	10597.30493	
11720.32052						
RPS19	RPS19	27042.27814		34721.03379	49374.92314	
32375.12283						
KRTAP19-8	KRTAP19-8		0	0	2.678567259	0
UBE2B	UBE2B	2109.639736		1338.549273	2974.102513	
2272.980436						
LOC285593	LOC285593		0	0	8.92855753	
8.484788022						
TFEC	TFEC	0	7.109138778	44.64278765	2.828262674	
TRRAP	TRRAP	2011.244545		901.8450336	925.8914159	
1226.523246						
ZNF197-AS1	ZNF197-AS1			5.856856567	13.2026863	
11.60712479		12.25580492				
LOC100131655	LOC100131655			36.31251072	40.62365016	
60.71419121		32.99639787				
ERVK13-1	ERVK13-1			308.0706554	178.7440607	
717.8560254		516.6293151				
ROPN1L	ROPN1L	78.481878		196.009112	0	1.885508449
INSM1	INSM1	0	2.031182508	13.3928363	16.02682182	
EIF4A3	EIF4A3	14492.20589		22636.51346	12774.08726	
12711.15521						
KIAA0195	KIAA0195			2230.290981	1331.440134	
1259.819468		1342.482016				
SOX8	SOX8	10.54234182		1.015591254	314.2852251	
176.29504						
CLSTN3	CLSTN3	691.1090749		383.893494	431.2493287	
367.6741476						
C15orf56	C15orf56			2.342742627	0	0
IL21R	IL21R	11240.47912		7593.575807	7976.773298	0
10920.86494						
GOLGA8A	GOLGA8A	1060.091039		201.0870683	232.1424958	
887.1317255						
HSPBAP1	HSPBAP1	559.9154878		567.715511	877.6772052	
792.856303						
ALKBH7	ALKBH7	797.7038645		1012.54448	1416.069224	
849.4215565						
KIAA0247	KIAA0247			4404.356139	3357.544686	
3296.42344		3935.056134				
PMEPA1	PMEPA1	35.1411394		46.71719769	441.9635978	
247.0016069						
HLX	HLX	4.685485254		5.07795627	4.464278765	
5.656525348						
ZNF665	ZNF665	24.59879758		16.24946006	278.5709949	
163.0964809						
ATP6V1B1-AS1	ATP6V1B1-AS1		0	3.046773762	11.60712479	
0.942754225						
FARP1	FARP1	55.05445173		39.60805891	68.74989298	

11.3130507					
MAP3K15	MAP3K15	466.2057828	510.8424008	615.1776138	
694.8098636					
FIGNL2	FIGNL2	1.171371313	1.015591254	8.035701777	
6.599279573					
MTX2	MTX2	1445.472201	1899.155645	1541.06903	
1483.89515					
TRHDE	TRHDE	0	0	0.892855753	1.885508449
EDEM1	EDEM1	17954.77949	11255.79787	11608.9105	
12195.46865					
DGCR11	DGCR11	202.6472372	165.5413744	119.6426709	
143.2986422					
LINC01004	LINC01004		278.7863726	88.3564391	
185.7139966		289.425547			
CAMKMT	CAMKMT	353.7541367	451.9381081	362.4994357	
381.815461					
PXDC1	PXDC1	17.5705697	21.32741634	52.67848943	
85.79063445					
SPRR4	SPRR4	0	0	3.571423012	0
RTP4	RTP4	1083.518465	866.2993397	2059.818222	
1724.297477					
PARVG	PARVG	3218.928369	4634.142892	2299.103564	
2405.908781					
EPB41L4A	EPB41L4A		100.737933	77.18493531	
164.2854586		134.8138541			
ERRFI1	ERRFI1	21.08468364	31.48332888	353.5708782	
211.1769463					
YIPF5	YIPF5	3829.212824	4496.022482	4728.564068	
4206.569351					
CSRNP2	CSRNP2	1391.58912	843.9563321	1199.105276	
1087.938375					
ALKBH3	ALKBH3	1625.863383	2050.478742	1558.926145	
1690.358325					
PRKAB1	PRKAB1	2462.222501	4046.115556	3024.102436	
2573.719033					
HAA0	HAA0	4.685485254	12.18709505	0.892855753	
15.0840676					
MSRB1	MSRB1	2517.276953	4459.461197	1805.354333	
1577.227818					
GPATCH3	GPATCH3	1048.377326	1355.814324	1426.783493	
1260.462398					
C17orf75	C17orf75		1335.363297	1442.139581	
1519.640492		1444.299472			
SPATA31D1	SPATA31D1		0	0	0.942754225
H2AFB1	H2AFB1	0	1.015591254	0.892855753	3.771016899
ZNF793	ZNF793	21.08468364	45.70160643	144.642632	
194.2073703					
ZPBP	ZPBP	0	1.015591254	7.142846024	2.828262674
ATP1A2	ATP1A2	0	0	0.892855753	0
H2BFXP	H2BFXP	5.856856567	13.2026863	10.71426904	

7.542033798				
CYP4Z2P	CYP4Z2P	0	0	1.785711506
CIDCEP	CIDCEP	401.7803605		481.3902544
421.4111384				441.9635978
ANKRD49	ANKRD49	1304.907643		1267.457885
1898.707009				1722.318748
MTERF3	MTERF3	1645.776695		1923.529835
1684.7018				1949.996965
MRPS12	MRPS12	4910.388546		7750.992451
3706.909612				4307.136153
IL13	IL13	58.56856567		774.8961268
545.8546961				889.28433
CNKSR1	CNKSR1	151.1068994		181.7908345
246.0588527				236.6067746
TBL1Y	TBL1Y	1.171371313	0	0
ACTR10	ACTR10	4253.249239		4465.554744
4263.134604				4922.313766
ZC3H15	ZC3H15	5046.267618		5726.919082
5516.997723				5355.348807
SMIM2	SMIM2	0	0	0
CRIP1	CRIP1	10981.60606		11556.41288
5535.852808				1.885508449
CNN1	CNN1	1.171371313	0	7.142846024
USP9Y	USP9Y	1369.333065	0	0
KIAA1107	KIAA1107	158.0354683		36.31251072
102.7602105				37.5768764
LAGE3	LAGE3	1808.597308		2847.717876
1778.977222				2159.818067
MRPL34	MRPL34	3058.450499		4167.986507
2742.47204				2985.709638
HTRA2	HTRA2	4215.765357		5118.57992
3408.056522				3616.958656
ZPR1	ZPR1	3798.75717		5037.33262
4075.526513				4422.314545
CHRD	CHRD	0	0	0.892855753
NDUFV1	NDUFV1	8766.54291		12060.14614
8060.548621				7336.595723
RPL23AP7	RPL23AP7			201.4758659
494.6420872				514.9047658
UQCR10	UQCR10	7483.891322		8368.471933
5468.917258				6062.490563
XP07	XP07	5095.465214		4862.650924
4265.020113				3229.459259
NUP88	NUP88	6326.576464		8209.024106
8282.095864				8858.914782
JAK2	JAK2	4051.773373		4006.507497
3102.604154				2622.317347
FAM177B	FAM177B	2.342742627	0	24.10710533
RHBDL1	RHBDL1	3.51411394	7.109138778	0
LAMB2P1	LAMB2P1	11.71371313	8.124730032	0
				7.542033798
				8.92855753

29.22538097				
STBD1 STBD1	247.1593471	296.5526462	163.3926028	
214.005209				
DPP4 DPP4	10668.84992	10934.87103	6434.811412	
8625.258402				
PKLR PKLR	11.71371313	1.015591254	2.678567259	
13.19855915				
AGRP AGRP	11.71371313	0	9.821413283	11.3130507
DHX37 DHX37	1139.744288	627.635395	425.8921942	
659.9279573				
SESN3 SESN3	602.0848551	392.0182241	958.034223	
1753.522858				
SLC25A25-AS1	SLC25A25-AS1	105.4234182	63.98224901	
99.99984434	73.53482953			
POC1B-GALNT4	POC1B-GALNT4	1370.504437	1861.578769	
1139.283941	1230.294263			
GSTT2B GSTT2B	1.171371313	0	0	0
FITM2 FITM2	92.53833376	121.8709505	109.8212576	
104.6457189				
SOS1 SOS1	8905.936096	7466.6269	4069.636522	
5444.405648				
MTSS1 MTSS1	1249.853191	496.6241232	860.7129459	
797.5700741				
RIMS3 RIMS3	243.6452332	101.5591254	292.856687	
269.6277083				
RNF144A RNF144A	581.0001715	385.9246765	2817.852757	
1998.638956				
COPRS COPRS	1803.911823	2645.615217	1667.854547	
1454.669769				
DDIT4 DDIT4	4013.11812	4766.169755	5521.419977	
8250.04222				
SNX27 SNX27	2814.805266	1892.046506	2147.318086	
2342.744248				
DGCR9 DGCR9	3.51411394	0	0	21.68334717
SH3RF3-AS1	SH3RF3-AS1	0	7.109138778	9.821413283
21.68334717				
LOC100133315	LOC100133315	267.0726595	259.991361	
215.1782365	230.0320308			
ALOX15P1	ALOX15P1	38.65525334	19.29623383	
41.96422039	49.02321969			
DDX11L1 DDX11L1	2.342742627	0	0	1.885508449
TMC05B TMC05B	0	0	0.892855753	0
TMEM54 TMEM54	12.88508445	23.35859884	16.96425931	
9.427542247				
SLC13A5 SLC13A5	3.51411394	14.21827756	42.85707615	
5.656525348				
TTC9B TTC9B	0	0	0.892855753	0
ZNF560 ZNF560	2.342742627	0	0	0.942754225
PDIA3P1 PDIA3P1	105.4234182	116.7929942	209.821102	
148.0124133				

FAM231D	FAM231D	105.4234182	66.01343151	466.0707031	
344.105292					
HNRNPKP3	HNRNPKP3	0.892855753	5.856856567	1.015591254	
0.892855753	0				
LOC90834	LOC90834	25.89281684	23.42742627	18.28064257	
25.89281684	18.85508449				
LINC00548	LINC00548	0	14.21827756	9.821413283	
0					
TEX41	TEX41	0	0	1.885508449	
0	0				
TSC1	TSC1	1874.194102	1456.357858	2936.602572	
2402.137765					
FOX E1	FOX E1	0	0	13.3928363	0
0	0				
LRP2	LRP2	0	3.046773762	8.92855753	0
0	0				
GCSH	GCSH	370.1533351	469.2031594	321.4280711	
345.0480462					
USP36	USP36	3618.365987	3039.664623	4403.564574	
3563.610969					
GCG	GCG	0	1.015591254	0	0
0	0				
BTBD8	BTBD8	29.28428284	21.32741634	89.2855753	
74.47758375					
HMGXB3	HMGXB3	5019.326078	4432.040233	3449.99463	
3392.029701					
C9orf129	C9orf129	0	2.342742627	0	0
0	0				
LINC00528	LINC00528	204.4639674	66.76816487	114.7618117	
204.4639674	63.16453306				
RNVU1-19	RNVU1-19	38.39279738	8.199599194	12.18709505	
38.39279738	4.713771124				
LINC00367	LINC00367	0	0	2.678567259	0
0	0				
TSPEAR-AS1	TSPEAR-AS1	0	1.171371313	1.015591254	0
0	0				
NBPF18P	NBPF18P	0	4.062365016	0	2.828262674
0	0				
PGAM2	PGAM2	38.65525334	35.54569389	48.21421066	
30.16813519					
GLTP	GLTP	2459.879758	3988.226855	3256.244931	
2935.736656					
ZSCAN29	ZSCAN29	855.1010588	362.5660777	595.5347873	
587.335882					
C9orf142	C9orf142	2162.496634	2211.54904	2401.873316	
2162.496634	2288.064503				
ATF1	ATF1	1474.756484	1328.39336	1931.246994	
1978.841118					
IP09	IP09	9789.150067	10307.23564	6320.525876	
7534.491764					
MFN2	MFN2	7606.88531	8892.51702	8411.594049	
7060.286389					
DENND4B	DENND4B	5045.096247	3010.212477	3620.530079	
3169.539703					
FAIM3	FAIM3	4936.158715	4418.837546	7252.667282	
5681.036958					
LINC01010	LINC01010	0	3.51411394	0	26.78567259
0	0				

		6.599279573			
HAX1	HAX1	8173.829025	11876.32412	9357.128292	
8226.473365					
FAM83G	FAM83G	547.0304034	536.2321821	575.8919607	
602.4199496					
MAK	MAK	167.5060978	154.3698706	124.1069497	
180.0660569					
RAD51L3-RFFL	RAD51L3-RFFL		5433.991523	2908.653352	
3583.030137		4265.962867			
ORC6	ORC6	2901.486743	2519.681901	1263.390891	
1700.728621					
PTGS2	PTGS2	10.54234182	34.53010264	16.07140355	0
NACA2	NACA2	1.171371313	1.015591254	0	1.885508449
CD27	CD27	8312.05084	11246.65755	4820.528211	
5813.02255					
TCEB3	TCEB3	6251.6087	7668.729559	6322.311587	
6531.401269					
KRTAP5-7	KRTAP5-7		0	0	2.828262674
NUDT19	NUDT19	695.7945602	430.6106917	341.0708977	
381.815461					
MED4	MED4	4464.096076	4601.643972	4716.956943	
4530.876804					
FSCN3	FSCN3	0	2.031182508	9.821413283	13.19855915
ZC3H7A	ZC3H7A	6517.509988	5727.934673	6428.561422	
6592.680293					
TMOD4	TMOD4	79.65324932	54.84192772	81.24987353	
123.5008034					
TAF1B	TAF1B	1751.200114	1619.86805	887.4986185	
1189.755832					
MSH4	MSH4	7.028227881	3.046773762	2.678567259	
1.885508449					
FZD7	FZD7	11.71371313	22.34300759	61.60704696	
11.3130507					
REEP5	REEP5	11861.30592	13797.82278	8173.201563	
8761.957765					
NUDT11	NUDT11	30.45565415	67.02902277	119.6426709	
53.73699081					
SLC5A6	SLC5A6	4721.797765	6415.489952	4874.992412	
4723.198666					
PSMD8	PSMD8	14478.14943	20966.88144	11380.33943	
11040.59473					
PSMD7	PSMD7	9484.593525	13208.77985	9423.199617	
9032.528227					
GTF3A	GTF3A	14698.36724	23215.40048	14552.65592	
11840.99306					
PSMC6	PSMC6	7410.094929	7061.405989	5518.741409	
6319.281568					
ZNF624	ZNF624	345.5545375	226.4768497	513.392058	
790.0280403					
SLC25A24	SLC25A24		2328.686171	1883.921776	

1702.675921		2107.998446			
LMF2	LMF2	3935.807613	3155.442026	2350.889198	
2529.409585					
ZNF430	ZNF430	1829.681992	1903.21801	3199.995019	
2970.618562					
CCDC174	CCDC174	798.8752358	952.6245963	1495.533386	
1343.42477					
PRPF4B	PRPF4B	2666.041109	1785.409425	1933.925561	
2723.616955					
SHFM1	SHFM1	8049.663666	7527.562375	4381.24318	
5070.132221					
AIMP2	AIMP2	3717.932549	5110.45519	2811.602766	
3084.691823					
DYNC1LI1	DYNC1LI1		2473.936214	2683.192093	
2170.532336		2014.665778			
LINC00923	LINC00923		0	0	3.571423012
1.885508449					
HSD17B3	HSD17B3	0	0	0	3.771016899
ZNF615	ZNF615	694.6231889	530.1386346	1394.640686	
1158.644942					
SMIM5	SMIM5	0	4.062365016	0	2.828262674
NDUFS8	NDUFS8	5180.975319	6414.474361	3958.029553	
4093.438844					
C3orf38	C3orf38	2607.472544	2301.329782	2668.745846	
2804.693819					
INTS4	INTS4	3553.940565	4166.970915	3522.315946	
4010.476472					
TCF20	TCF20	839.8732318	353.4257564	353.5708782	
477.0336377					
TRAPPC3	TRAPPC3	4895.160719	5854.88358	4256.243375	
3277.013685					
SMC1B	SMC1B	18.74194102	23.35859884	97.32127708	
64.10728728					
SNORA58	SNORA58	12.88508445	17.26505132	0	10.37029647
CYB5R4	CYB5R4	3254.069509	3617.536047	2733.03146	
3025.298307					
GLTSCR1	GLTSCR1	111.2802748	46.71719769	101.7855558	
81.07686333					
C14orf1	C14orf1	2398.96845	2821.312504	2772.317113	
3006.443223					
PNKP	PNKP	1826.167878	2013.917457	1218.748103	
1416.9596					
C1orf234	C1orf234		0	0	11.60712479
AATK	AATK	16.39919839	4.062365016	0	8.484788022
TTC34	TTC34	2.342742627	0	0.892855753	0
TNN	TNN	4.685485254	7.109138778	5.357134518	
0.942754225					
ZNF777	ZNF777	415.8368163	650.9939938	441.070742	
551.5112215					
LOC101927196	LOC101927196		0	0	5.357134518
					0

NOL7	NOL7	4584.747321	5974.723348	5708.026829	
5172.892431					
DENND2A	DENND2A	0	0	30.3570956	11.3130507
RAB4B	RAB4B	2380.226509	2570.461464	2091.961029	
2035.406371					
SHANK1	SHANK1	1.171371313	0	0	0
WDR830S	WDR830S	5970.479585	6706.964642	6007.133506	
5274.709887					
LIN7B	LIN7B	122.9939879	66.01343151	304.4638118	
227.2037682					
HOXB5	HOXB5	0	1.015591254	0	0.942754225
C19orf60	C19orf60		2288.859547	3672.377975	
3806.244075		2653.853143			
ASXL1	ASXL1	4548.43481	2656.786721	2477.674715	
3077.149789					
EMC8	EMC8	2719.92419	3469.259724	2261.603622	
2208.873149					
CD247	CD247	14881.10117	14875.3651	15276.76193	
14162.05396					
ZNF230	ZNF230	286.9859718	240.6951272	576.7848165	
579.7938482					
PCNXL3	PCNXL3	1627.034754	656.0719501	862.4986574	
856.9635903					
BRSK1	BRSK1	8.199599194	4.062365016	2.678567259	
7.542033798					
FAR1	FAR1	4035.374175	3277.312977	2474.996147	
2759.441616					
CCDC88B	CCDC88B	7216.818662	6978.127507	3705.351375	
4924.005316					
SLC04C1	SLC04C1	23.42742627	30.46773762	24.10710533	
38.65292321					
F8A2	F8A2	607.9417117	680.4461402	740.1774193	
877.7041832					
RBM47	RBM47	65.59679355	40.62365016	22.32139383	
0.942754225					
USP46	USP46	823.4740334	1036.91867	370.5351375	
279.0552505					
OSER1-AS1	OSER1-AS1		96.0524477	80.23170907	
1016.962703	296.9675808				
LOC100507091	LOC100507091		3.51411394	1.015591254	
6.249990271	3.771016899				
LOC100506844	LOC100506844		705.1655307	793.1767694	
593.7490758	459.1213074				
LOC100507557	LOC100507557		192.1048954	96.48116913	
141.071209	280.940759				
LINC01364	LINC01364		2.342742627	0	0
ATP6V0E2-AS1	ATP6V0E2-AS1		97.22381902	120.8553592	0
523.2134713	251.715378				
ADCY10P1	ADCY10P1		40.99799597	16.24946006	
49.99992217	83.905126				

C5orf27	C5orf27	3.51411394	0	0	0
EGFL6	EGFL6	162.8206126	640.8380813		53.57134518
		95.2181767			
RNF44	RNF44	638.3973658	230.5392147		246.4281878
		412.9263504			
TBC1D30	TBC1D30	179.219811	34.53010264		99.10698859
		103.7029647			
XK	XK	0	4.062365016	23.21424958	7.542033798
ARFIP1	ARFIP1	1354.105238	1244.099286		895.5343203
		1497.093709			
MYH6	MYH6	44.51210991	32.49892013		0.892855753
		65.05004151			
MYH3	MYH3	77.31050669	35.54569389		114.2855364
		86.73338867			
POLR2B	POLR2B	11863.64866	10157.94372		10244.62691
		11212.17599			
AZU1	AZU1	0	1.015591254	0	0
CACNA2D1	CACNA2D1		0	0	0.942754225
TAGLN	TAGLN	17.5705697	17.26505132		70.53560449
		47.13771124			
TGFBR3L	TGFBR3L	35.1411394	22.34300759		21.42853807
		16.02682182			
ISM1	ISM1	2.342742627	3.046773762		62.49990271
		31.11088942			
MIR4444-1	MIR4444-1		376.0101916		338.1918876
		274.9995719			
EFEMP2	EFEMP2	46.85485254	22.34300759		94.64270982
		82.01961755			
WTH3DI	WTH3DI	3.51411394	3.046773762	0	3.771016899
ALDOB	ALDOB	3.51411394	0	0	1.885508449
DARS	DARS	8650.57715	9382.032005		10195.51984
		11578.90739			
RSPH10B2	RSPH10B2		4.685485254		3.046773762
		11.60712479			
CFAP69	CFAP69	0	0	1.785711506	0
CLHC1	CLHC1	121.8226166	58.90429273		110.7141134
		84.84788022			
IFITM1	IFITM1	9497.47861	9191.100849		48936.53097
		35305.20296			
RPS16	RPS16	10709.84792	12578.09768		10415.16236
		9389.832078			
WDFY2	WDFY2	1238.139478	1972.278215		1325.890793
		963.4948177			
CHRNA2	CHRNA2	0	0	5.357134518	8.484788022
MORF4L1	MORF4L1	14081.05456	13609.9384		12841.9443
		12684.75809			
ICE1	ICE1	3737.845861	1715.333628		3036.602416
		3039.43962			
EXOC3	EXOC3	3551.597822	4789.528354		3094.63804
		3037.554112			

RCOR1	RCOR1	387.7239048	208.1962071	155.356901	
214.9479632					
CCL25	CCL25	8.199599194	9.140321286	42.85707615	
20.74059294					
ZP2	ZP2	0	0	11.60712479	0
BSN	BSN	16.39919839	1.015591254	24.10710533	0
LOC102724784	LOC102724784	0	0	0	2.828262674
LINC01499	LINC01499	0	0	3.571423012	0
B3GNT5	B3GNT5	35.1411394	59.91988399	3.571423012	
50.90872813					
SLC25A2	SLC25A2	0	0	0.942754225	
ANKRD11	ANKRD11	4555.463038	4563.051504	5949.097882	
5472.688274					
ZNF25	ZNF25	634.8832519	467.1719769	1288.390852	
1093.594901					
C1orf137	C1orf137		1.171371313	1.015591254	0
4.713771124					
KIAA1875	KIAA1875		15.22782708	2.031182508	
18.74997081	16.02682182				
LHX2	LHX2	0	0	0.942754225	
BRAT1	BRAT1	5903.71142	8954.468087	4714.278376	
4867.440062					
HIBADH	HIBADH	2072.155854	2080.94648	1978.568349	
2348.400774					
ARL11	ARL11	126.5081019	156.4010531	121.4283824	
42.42394011					
CPO	CPO	0	0	7.142846024	3.771016899
OR10P1	OR10P1	2.342742627	0	6.249990271	0.942754225
MRPL44	MRPL44	2278.317205	2862.951745	2544.638896	
2095.742642					
KRCC1	KRCC1	1451.329057	1753.926096	2244.639363	
2104.22743					
BLOC1S6	BLOC1S6	2673.069337	2264.768497	3067.852367	
3814.383593					
ELM01-AS1	ELM01-AS1		1078.83298	1085.667051	
713.3917467	826.7954551				
SYNJ2-IT1	SYNJ2-IT1		2.342742627	5.07795627	0
0					
R3HDM1	R3HDM1	3176.759002	2326.719563	1723.211603	
2118.368743					
SPTBN2	SPTBN2	1.171371313	0	0	8.484788022
TPPP	TPPP	25.7701689	9.140321286	35.71423012	
107.4739816					
TOPBP1	TOPBP1	7905.584995	5443.569122	3256.244931	
4594.041337					
DUSP14	DUSP14	797.7038645	1501.043873	1341.962197	
868.276641					
SRSF1	SRSF1	17556.51325	8892.51702	5643.741215	
8602.632301					
ZNF346	ZNF346	2072.155854	2433.356645	2106.246721	

2126.853531				
ITGB1BP2	ITGB1BP2		39.82662466	16.24946006
30.3570956	22.62610139			
SLFN12 SLFN12	467.3771541		555.528416	162.4997471
220.6044886				
MYOZ2 MYOZ2	1.171371313	0	0	1.885508449
PLA2G4A PLA2G4A	12.88508445	64.99784026	0	16.02682182
CLDN22 CLDN22	0	0	5.357134518	7.542033798
LOC729296	LOC729296	0	4.062365016	0
GALNS GALNS	1192.455997	1270.504659	963.3913575	0
1202.954391				
TMEM221 TMEM221	5.856856567	3.046773762	6.249990271	
3.771016899				
COG4 COG4	6046.61872	5886.366908	4068.743667	
4773.16464				
IKBKE IKBKE	10372.49298	18923.51184	3990.17236	
6008.172674				
SH3TC1 SH3TC1	2349.770855	1358.861098	831.2487061	
1627.193792				
STAG1 STAG1	4289.56175	3957.759117	3024.102436	
3931.285117				
ARHGEF5 ARHGEF5	126.5081019	111.7150379	102.6784116	
96.16093092				
ZDHHC1 ZDHHC1	25.7701689	9.140321286	7.142846024	
11.3130507				
IER5 IER5	5640.152874	8117.620894	7291.952935	
5703.66306				
CLEC2A CLEC2A	0	2.031182508	0	0
TSSC1 TSSC1	2769.121785	3413.402205	2088.389606	
2187.189801				
NR6A1 NR6A1	22.25605496	32.49892013	33.03566286	
10.37029647				
GMDS GMDS	1088.20395	1507.137421	827.6772831	
1047.399944				
TCEANC2 TCEANC2	1249.853191	1144.571343	1462.497723	
1236.893543				
AP4E1 AP4E1	1625.863383	1125.275109	1049.998366	
1049.285452				
NCR3LG1 NCR3LG1	62.08267961	14.21827756	213.392525	
97.10368515				
ACACB ACACB	261.2158029	149.2919143	396.4279543	
349.7618174				
TYROBP TYROBP	2.342742627	6.093547524	72.321316	
19.79783872				
AEN AEN	4659.715085	8147.07304	12249.98093	
4906.092985				
TAS2R4 TAS2R4	3.51411394	1.015591254	0	0
TAS2R3 TAS2R3	4.685485254	0	0	0
POLA1 POLA1	3367.692526	2177.427649	1316.06938	
2036.349125				

SHC3	SHC3	0	0	3.571423012	0
EFCAB14	EFCAB14	8791.141708		9367.813727	11405.33939
		11662.81251			
TTC19	TTC19	3043.222672		3542.382294	3849.994007
		3541.927622			
DYRK3	DYRK3	393.5807613		439.751013	292.856687
		482.6901631			
C12orf79	C12orf79			48.02622385	68.04461402
		433.927896		392.1857575	
GUCD1	GUCD1	8217.169764		8521.826213	7187.488812
		7046.145076			
EPB41L4A-AS1	EPB41L4A-AS1			172.1915831	126.9489068
		391.0708198		292.2538097	
LINC01358	LINC01358			106.5947895	86.32525659
		80.35701777		57.50800771	
GNRHR	GNRHR	5.856856567		0	4.464278765
		RGMB	RGMB	38.65525334	101.5591254
		196.0928787		516.0706253	20.74059294
CHAC2	CHAC2	1575.494417		1818.923936	983.0341841
		1006.861512			
VCX3B	VCX3B	0	0	0.892855753	0
CCNA2	CCNA2	16715.46864		16458.67186	5335.70598
		8460.276413			
WDR11-AS1	WDR11-AS1			10.54234182	19.29623383
		6.249990271		6.599279573	
ARPIN	ARPIN	0	0	1.785711506	6.599279573
VAV2	VAV2	296.3569423		360.5348952	292.856687
		361.0748681			
TMEM86A	TMEM86A	94.88107639		76.16934405	99.10698859
		96.16093092			
LINC00167	LINC00167			44.51210991	59.91988399
		153.5711895		81.07686333	
NSUN3	NSUN3	808.2462063		866.2993397	770.5345149
		654.271432			
LOC102723631	LOC102723631			9.370970508	0
		2.828262674			0
ZNF561	ZNF561	767.2482103		687.555279	1116.962547
		1112.449985			
SRGAP2C	SRGAP2C	604.4275977		581.9337886	332.1423401
		385.5864779			
ZNF449	ZNF449	264.7299168		178.7440607	338.3923304
		240.4023273			
ZCCHC5	ZCCHC5	1.171371313		4.062365016	0
SAMD9L	SAMD9L	10186.24494		9034.699796	9810.699014
		11709.00747			
NUP107	NUP107	8075.433835		9045.8713	6488.382757
		6951.869653			
TADA2B	TADA2B	469.7198967		440.7666043	541.9634421
		374.2734272			
KAZALD1	KAZALD1	4.685485254		1.015591254	0
					0

MSL2	MSL2	2757.408072	1995.636814	3636.601482	
3393.915209					
PNPO	PNPO	3702.704722	4136.503178	2568.746001	
2976.275087					
TMEM176A	TMEM176A	0	0	21.42853807	0
SPEF2	SPEF2	46.85485254	46.71719769	320.5352153	
169.6957604					
HPDL	HPDL	299.8710562	606.3079787	388.3922526	
301.6813519					
NUTM2D	NUTM2D	2.342742627	0	1.785711506	0.942754225
SOX2-OT	SOX2-OT	0	8.124730032	10.71426904	16.02682182
CISTR	CISTR	0	0	5.357134518	0
MIR6822	MIR6822	7.028227881	0	1.785711506	0
SYNGR2	SYNGR2	12167.03383	21600.61038	15683.90416	
12155.87297					
TNFRSF11B	TNFRSF11B	0	5.07795627	0	0
FAM127B	FAM127B	643.0828511	558.5751897	945.5342425	
795.6845657					
PRR22	PRR22	74.96776406	59.91988399	54.46420093	
22.62610139					
ZNF277	ZNF277	507.2037787	501.7020795	766.9630919	
823.9671924					
EPS8L1	EPS8L1	37.48388203	22.34300759	2.678567259	
31.11088942					
NUDCD2	NUDCD2	4508.608186	3706.908077	2922.31688	
3823.811135					
FAM222A	FAM222A	97.22381902	79.21611782	95.53556557	
83.905126					
ZNF587	ZNF587	681.7381044	556.5440072	1044.641231	
991.7774444					
ATOH8	ATOH8	12.88508445	2.031182508	0	4.713771124
TMEM87B	TMEM87B	1658.66178	994.2638377	1485.711973	
1633.793071					
UBALD1	UBALD1	305.7279128	157.4166444	168.7497373	
161.2109724					
ASRGL1	ASRGL1	386.5525334	860.2057922	389.2851083	
275.2842336					
AIFM2	AIFM2	1207.683824	1799.627702	869.6415035	
1061.541257					
CIRH1A	CIRH1A	6943.889146	11701.64243	7785.702166	
7915.364471					
TIPIN	TIPIN	2690.639907	2737.01843	1517.85478	
2011.837516					
TXNL4B	TXNL4B	1581.351273	1892.046506	1941.068407	
2034.463617					
PRPF38B	PRPF38B	3051.422272	2210.94216	2871.424102	
3359.033303					
IARS2	IARS2	8568.581158	9258.129872	6458.918517	
7899.337649					
NKAIN1	NKAIN1	0	1.015591254	0.892855753	0

SUPT16H SUPT16H	19057.0399	21255.30936	16439.26012	
17054.42393				
PPP1R13B	PPP1R13B	398.2662466	179.759652	
674.1060935	418.5828758			
TMEM186 TMEM186	898.4417974	1048.090174	969.6413478	
1080.396342				
CNDP1 CNDP1	2.342742627	1.015591254	15.1785478	
4.713771124				
RAPSN RAPSN	11.71371313	1.015591254	19.64282657	
9.427542247				
WNT5B WNT5B	1747.686	90.38762161	0 584.5076193	
CAMP CAMP	0 3.046773762	0	0	
SLC41A1 SLC41A1	1341.220154	1317.221857	1804.461477	
1604.56769				
FAM227B FAM227B	221.3891782	149.2919143	277.6781392	
288.4827928				
NPAS4 NPAS4	2.342742627	0 0	0	
LPPR3 LPPR3	1.171371313	0 0	0	
PLEKHH2 PLEKHH2	4.685485254	2.031182508	75.89273901	
40.53843166				
ZAR1 ZAR1	1.171371313	0 0	0.942754225	
HERPUD2 HERPUD2	2486.821298	2492.260937	3902.672496	
3621.118977				
CRIM1 CRIM1	221.3891782	58.90429273	33.03566286	
80.1341091				
SIRT7 SIRT7	2413.024906	2626.318983	2993.74534	
2641.597338				
ANKRD20A4	ANKRD20A4	2.342742627	10.15591254	
8.035701777	4.713771124			
APLN APLN	2.342742627	0 0	2.828262674	
COL5A1 COL5A1	26.94154021	3.046773762	0.892855753	
0.942754225				
ZMYND12 ZMYND12	19.91331233	19.29623383	80.35701777	
23.56885562				
TMEM14C TMEM14C	2875.716575	2746.158751	2877.674092	
3178.967246				
G6PC3 G6PC3	1170.199942	1438.077216	936.6056849	
938.0404536				
FRG1B FRG1B	837.5304891	373.7375815	595.5347873	
1024.773842				
HOXB-AS3	HOXB-AS3	5.856856567	3.046773762	
7.142846024	9.427542247			
PITPNA-AS1	PITPNA-AS1	377.1815629	410.2988666	
518.7491925	396.8995286			
DTL DTL	9702.468589	9359.688997	3566.958733	
5335.988912				
CEP170P1	CEP170P1	2.342742627	1.015591254	0
1.885508449				
SLC25A5-AS1	SLC25A5-AS1	4351.64443	6622.670568	
2857.13841	3148.799111			

TSNAX-DISC1	TSNAX-DISC1		1482.956083	1478.700866
2149.103798	1834.599721			
CYP2B7P CYP2B7P	1.171371313		1.015591254	0 1.885508449
MRPS27 MRPS27	4454.725105		5175.453031	4049.993696
4353.63901				
FCRLB FCRLB	2.342742627		16.24946006	55.35705669
14.14131337				
KLHDC8A KLHDC8A	0 0		0 6.599279573	
GRASP GRASP	11.71371313		109.6838554	319.6423596
156.4972013				
GPR176 GPR176	2.342742627		2.031182508	0 3.771016899
PDE1A PDE1A	2.342742627		0 0	0
TMEM200B	TMEM200B		301.0424276	85.30966534
247.3210436	274.3414794			
HMGXB4 HMGXB4	1440.786716		1320.26863	1156.2482
1292.516042				
PRRG4 PRRG4	278.7863726		232.5703972	121.4283824
95.2181767				
UNC5A UNC5A	4.685485254		3.046773762	0 0.942754225
PAQR8 PAQR8	912.4982532		1233.943374	2819.638468
2585.974838				
TWISTNB TWISTNB	2642.613683		2916.778082	2766.067123
2892.369961				
FAM102B FAM102B	646.596965		557.5595985	883.0343397
1235.008034				
PROX1 PROX1	0 7.109138778		0.892855753	0
OR3A2 OR3A2	57.39719436		52.81074521	56.24991244
65.05004151				
OPCML OPCML	2.342742627		0 0	0
LRP6 LRP6	65.59679355		47.73278894	122.3212382
249.8298695				
KRBOX1 KRBOX1	10.54234182		4.062365016	6.249990271
3.771016899				
CYBA CYBA	18398.72922		22610.10809	7300.881493
9334.209579				
TPD52L1 TPD52L1	1.171371313		1.015591254	54.46420093
32.05364364				
PDZD3 PDZD3	0 0		0 1.885508449	
CHCHD3 CHCHD3	4164.225019		5073.893905	3230.352114
3800.24228				
SPACA4 SPACA4	0 2.031182508		0	0
ZNF34 ZNF34	244.8166045		337.1762963	296.42811
454.4075363				
CYB5B CYB5B	9584.160087		10971.43232	5684.81258
6686.955716				
MAP6 MAP6	46.85485254		24.3741901	0 23.56885562
RAI1 RAI1	711.0223873		266.0849086	591.0705085
523.2285947				
C1orf74 C1orf74	212.0182077		321.9424275	283.9281295
344.105292				

ZNF569	ZNF569	551.7158886	536.2321821	641.0704307	
741.0048206					
LOC101926935	LOC101926935		2.342742627	12.18709505	
7.142846024	18.85508449				
LINC00087	LINC00087		0	8.124730032	24.99996108
	32.05364364				
FAM110C	FAM110C	274.1008873	54.84192772	26.78567259	
55.62249926					
ZMAT1	ZMAT1	32.79839678	5.07795627	184.8211409	
175.3522858					
ARG1	ARG1	3.51411394	0	0	21.68334717
PPP1R3B	PPP1R3B	470.891268	438.7354217	838.3915521	
896.5592677					
APOC1	APOC1	5.856856567	2.031182508	0	1.885508449
DHODH	DHODH	801.2179784	1235.974556	668.748959	
867.3338867					
C6orf147	C6orf147		371.3247064	332.0983401	
107.1426904	179.1233027				
LOC101928940	LOC101928940		0	0	9.821413283
LRTM1	LRTM1	0	0	0.942754225	0
OVCH1	OVCH1	37.48388203	2.031182508	13.3928363	
65.99279573					
RINL	RINL	3446.174404	3783.077421	2455.353321	
2866.915597					
SRPK2	SRPK2	2849.946406	2566.399099	1567.854702	
1839.313492					
PTGER4P2-CDK2AP2P2	PTGER4P2-CDK2AP2P2			2.342742627	0
	0	2.828262674			
LINC00598	LINC00598		3.51411394	4.062365016	
28.5713841	7.542033798				
HLCS	HLCS	559.9154878	560.6063722	789.2844857	
670.2982538					
RABGGTB	RABGGTB	1050.720068	884.5799823	1330.355072	
1357.566084					
DNLZ	DNLZ	577.4860575	1557.916984	1318.747947	
659.9279573					
RAB13	RAB13	15.22782708	38.59246765	58.9284797	
47.13771124					
LRRC9	LRRC9	0	0	0	1.885508449
LOC391322	LOC391322		99.56656164	57.88870148	
85.71415229	144.2413964				
SLC25A39	SLC25A39		8203.113308	12368.88588	
7884.809155	7486.411298				
RPP25L	RPP25L	1106.945891	1150.664891	1249.998054	
1157.702188					
ALOX15	ALOX15	0	2.031182508	0	0
CEP57	CEP57	4027.174576	4252.280581	4717.849799	
4674.175446					
PTGIS	PTGIS	534.1453189	502.7176708	41.96422039	
154.6116929					

TBXA2R	TBXA2R	256.5303176	295.5370549	54.46420093
39.59567744				
ARID1B	ARID1B	3310.295332	1407.609478	1867.854235
2680.250261				
COMMD8	COMMD8	2673.069337	2873.107658	2331.246371
2323.889164				
VPS8	VPS8	3478.972801	2746.158751	1848.211409
2609.543694				
GOLGA8H	GOLGA8H	22.25605496	9.140321286	12.49998054
22.62610139				
USH1G	USH1G	1.171371313	0	0
PDSS2	PDSS2	1133.887431	1281.676163	760.7131016
992.7201986				
WDR45B	WDR45B	2917.885942	3361.607051	4417.850266
3601.321138				
IRGC	IRGC	0	4.464278765	0
CPXM1	CPXM1	4.685485254	12.18709505	0
FOS	FOS	385.3811621	440.7666043	865.1772247
571.3090602				
IL21	IL21	134.707701	12.18709505	60.71419121
136.6993626				
SEPHS2	SEPHS2	11419.69893	13940.00555	9290.16411
9322.896528				
FBX03	FBX03	1601.264586	1665.569657	2394.63913
2236.213021				
TUT1	TUT1	2109.639736	3393.09038	5221.420444
2846.175004				
SMIM10	SMIM10	25.7701689	22.34300759	12.49998054
20.74059294				
ALDH1L2	ALDH1L2	21.08468364	25.38978135	1.785711506
37.71016899				
GCNT4	GCNT4	15.22782708	13.2026863	36.60708587
66.93554995				
TIMMDC1	TIMMDC1	5006.440994	5579.65835	4948.206583
4394.177441				
ATF6	ATF6	3603.13816	4167.986507	3499.101696
4095.324352				
SLC2A9	SLC2A9	16.39919839	40.62365016	1.785711506
51.85148236				
SNORD116-3	SNORD116-3	0	2.031182508	0
0.942754225				
SNORD116-2	SNORD116-2	1.171371313	0	4.464278765
0.942754225				
PRPH2	PRPH2	4.685485254	1.015591254	1.785711506
11.3130507				
PINK1	PINK1	1242.824964	1336.51809	3980.350947
2125.910777				
CP	CP	559.9154878	635.760125	620.5347484
728.7490157				
8-Mar	8-Mar	1010.893444	646.9316288	1807.140044

1485.780658					
LYPD3	LYPD3	71.45365012	96.48116913	567.8562589	
352.59008					
CDK13	CDK13	2573.502776	2284.06473	2923.209735	
2733.044497					
TIMM10B	TIMM10B	1945.647752	2300.31419	3934.815304	
3354.319532					
ARHGEF26-AS1	ARHGEF26-AS1	0	0	9.821413283	0
LOC100506801	LOC100506801	151.1068994		111.7150379	
140.1783532	98.04643937				
STX18-AS1	STX18-AS1	77.31050669		89.37203036	
65.17846997	111.2449985				
LINC01426	LINC01426	0	3.046773762	1.785711506	
10.37029647					
LOC100131047	LOC100131047	0	0	3.571423012	0
LOC728084	LOC728084	3.51411394		39.60805891	
6.249990271	2.828262674				
TXNRD3NB	TXNRD3NB	15.22782708		23.35859884	
24.99996108	46.19495701				
MAMDC2	MAMDC2	0	0	3.571423012	1.885508449
MAPKAPK2	MAPKAPK2	884.3853417		148.2763231	
155.356901	199.8638956				
CATSPERB	CATSPERB	14.05645576		4.062365016	
24.10710533	24.51160984				
PLEKH01	PLEKH01	2626.214485	4311.184873	3073.209502	
2077.830311					
WEE1	WEE1	5157.547893	5040.379394	2300.889276	
3571.153003					
XP01	XP01	11159.6545	4565.082687	5586.598447	
7996.441334					
SNORD91B	SNORD91B	1.171371313		5.07795627	0
0.942754225					
RPL13AP3	RPL13AP3	0	0	0.892855753	
0.942754225					
SNORD91A	SNORD91A	3.51411394		5.07795627	0
2.828262674					
PMCHL2	PMCHL2	1.171371313	1.015591254	0	1.885508449
GTF2IRD1P1	GTF2IRD1P1	501.3469222		497.6397145	
534.8205961	610.9047376				
SNORD90	SNORD90	1.171371313	0	0	0
SNORA37	SNORA37	3.51411394	1.015591254	2.678567259	0
SNORA36A	SNORA36A	4.685485254		0	11.60712479
0					
SNORD89	SNORD89	39.82662466	32.49892013	47.32135491	
33.93915209					
SNORD88C	SNORD88C	5.856856567		2.031182508	
12.49998054	3.771016899				
SNORD88B	SNORD88B	69.11090749		42.65483267	
58.9284797	33.93915209				
S100P	S100P	137.0504437	441.7821955	36.60708587	

32.05364364				
S100A2	S100A2	25.7701689	26.40537261	18.74997081
10.37029647				
ZNF677	ZNF677	48.02622385	58.90429273	201.7854002
165.9247436				
SLC26A8	SLC26A8	4.685485254	6.093547524	2.678567259
15.0840676				
FAM154A	FAM154A	3.51411394	2.031182508	57.14276819
0.942754225				
TRIM74	TRIM74	15.22782708	11.17150379	34.82137437
25.45436407				
SIAH3	SIAH3	8.199599194	12.18709505	99.10698859
54.67974503				
PHLDB3	PHLDB3	196.7903807	332.0983401	483.9278181
230.0320308				
FUNDC1	FUNDC1	568.115087	907.9385811	662.4989687
670.2982538				
FAM120A0S	FAM120A0S		3666.392211	4656.4859
3940.172438	4075.526513			
APOBEC3A_B	APOBEC3A_B		494.3186943	575.840241
272.3210047	225.3182597			
USP21	USP21	1942.133638	2095.164757	2599.995953
2483.214628				
UCK2	UCK2	4592.94692	6020.424954	2217.853691
3028.12657				
TXN2	TXN2	7649.054677	10564.18022	5915.169364
6099.619834				
GAS2L3	GAS2L3	36.31251072	18.28064257	11.60712479
11.3130507				
ST6GALNAC4	ST6GALNAC4		815.2744342	869.3461135
804.4630335	915.4143522			
TAS2R14	TAS2R14	12.88508445	16.24946006	5.357134518
20.74059294				
FERMT1	FERMT1	9.370970508	2.031182508	0 9.427542247
BAP1	BAP1	3416.890121	1785.409425	1922.318436
1874.195399				
MLANA	MLANA	8.199599194	5.07795627	16.07140355
17.91233027				
ANAPC4	ANAPC4	3107.648095	3344.342	2105.353866
3151.627373				
ABL1	ABL1	2167.03693	1355.814324	1311.605101
1280.260237				
BAZ2B	BAZ2B	630.1977666	595.1364749	633.0347289
807.9403706				
LRRCC1	LRRCC1	596.2279986	427.563918	475.8921164
563.7670264				
ZNF691	ZNF691	644.2542224	548.4192772	574.999105
773.0584643				
ARHGEF38	ARHGEF38		1.171371313	1.015591254
4.464278765	4.713771124			

CDKAL1	CDKAL1	3074.849698	3724.173129	2636.603039
2919.709834				
TBC1D22B	TBC1D22B		1774.62754	1753.926096
948.2128097	947.4679958			
GATAD2A	GATAD2A	4754.596161	4090.801571	3383.030448
3541.927622				
IFIH1	IFIH1	3085.39204	4411.728408	8392.844078
6522.916481				
XYLT2	XYLT2	721.5647291	972.9364214	1283.033717
549.625713				
FAM208B	FAM208B	2008.901803	1150.664891	2241.960796
2580.318313				
MOSPD2	MOSPD2	1090.546693	834.8160108	845.5343981
1321.741423				
REG1A	REG1A	0	5.07795627	3.571423012
0	0			
PEPD	PEPD	3562.140164	4377.198305	5307.134596
4263.134604				
CCDC175	CCDC175	58.56856567	52.81074521	38.39279738
49.02321969				
ATP2B1	ATP2B1	1801.56908	1606.665364	2078.568193
2949.877969				
TAF8	TAF8	1733.629544	1605.649773	1954.461243
1971.299084				
IRAK2	IRAK2	1343.562897	1727.520723	666.9632475
767.4019389				
TAF1L	TAF1L	0	1.015591254	0
0	0			0.942754225
KCNV2	KCNV2	1.171371313	9.140321286	0
0	0			0
SRFBP1	SRFBP1	741.4780414	832.7848283	1148.212498
1126.591299				
SSTR3	SSTR3	248.3307185	121.8709505	1486.604829
747.6041002				
MB	MB	62.08267961	42.65483267	195.5354099
286.5972843				
FBXL22	FBXL22	39.82662466	30.46773762	79.46416202
50.90872813				
CDIPT	CDIPT	3635.936557	4774.294485	4967.84941
3935.056134				
TASP1	TASP1	646.596965	748.4907542	840.1772636
1012.518037				
LOC100131564	LOC100131564		589.1997707	397.0961803
1062.498346	956.8955381			
SUDS3	SUDS3	2643.785054	2428.278688	2671.424413
2701.933608				
ARMCX1	ARMCX1	14.05645576	6.093547524	67.85703723
36.76741476				
OR1K1	OR1K1	3.51411394	0	0
0	0			0
MCMBP	MCMBP	13973.2884	14271.0883	10074.98432
11123.5571				
MUC16	MUC16	1.171371313	0	6.249990271
0	0			0
KIAA0101	KIAA0101		7549.488115	5821.369068

1770.532958		3044.153392			
EPHA7	EPHA7	0	0	0	2.828262674
XPOT	XPOT	11548.54978		11663.04996	13891.04981
11915.47065					
LIN28A	LIN28A	0	0	1.785711506	0
OGFRL1	OGFRL1	540.0021755		358.5037127	333.9280516
354.4755885					
TNFAIP8L2	TNFAIP8L2			1772.284797	2581.632968
1131.248239		1405.646549			
NDNF	NDNF	11.71371313	0	6.249990271	5.656525348
HRG	HRG	0	5.07795627	0	0
TEX22	TEX22	26.94154021		19.29623383	43.7499319
11.3130507					
C19orf81	C19orf81			1.171371313	3.046773762
1.785711506		4.713771124			
OXLD1	OXLD1	960.524477		1347.689594	1420.533503
1195.412357					
ANKRD20A5P	ANKRD20A5P			86.6814772	43.67042392
102.6784116		82.01961755			
LOC285762	LOC285762			8.199599194	0
NDRG3	NDRG3	3388.77721		4354.855297	2988.388205
3777.616178					
ANKS3	ANKS3	335.0121956		336.1607051	565.1776917
481.7474088					
FBX043	FBX043	261.2158029		218.3521196	46.42849916
146.1269048					
CCDC160	CCDC160	0	1.015591254	0	0
ADM5	ADM5	48.02622385		41.63924142	67.85703723
21.68334717					
AN09	AN09	557.5727452		326.0047926	296.42811
444.0372398					
AIM1L	AIM1L	63.25405093		50.7795627	74.99988325
90.50440557					
ARSF	ARSF	0	0	1.785711506	0
SPINK4	SPINK4	1.171371313	0	8.92855753	4.713771124
JAZF1	JAZF1	158.1351273		79.21611782	211.6068135
447.8082567					
ZNF517	ZNF517	55.05445173		38.59246765	124.1069497
55.62249926					
ADAMTSL5	ADAMTSL5			78.481878	97.49676039
147.3211993		186.6653365			
LYPD6B	LYPD6B	0	0	0	0.942754225
SIGLEC15	SIGLEC15			1.171371313	0
28.28262674					28.5713841
TMED8	TMED8	581.0001715		611.3859349	244.6424763
327.135716					
PLAT	PLAT	228.4174061		274.2096386	501.7849332
390.300249					
RPS26	RPS26	12683.60858		12823.87076	10491.0551
8865.660729					

RPS25	RPS25	21324.81476	20792.19974	36394.58621
30705.5051				
ABCB1	ABCB1	878.5284851	432.6418742	1479.461983
1841.199001				
FANCD2	FANCD2	5107.178927	3756.672049	1755.35441
2746.243057				
KRT222	KRT222	0	3.046773762	4.464278765
1.885508449				
IGSF3	IGSF3	81.99599194	51.79515396	49.99992217
71.64932108				
KRTAP29-1	KRTAP29-1	0	1.015591254	7.142846024
0				
HCG8	HCG8	4.685485254	0	1.785711506
27.33987252				
BMPR1A	BMPR1A	433.407386	451.9381081	483.9278181
596.7634242				
TRANK1	TRANK1	1529.810935	584.9805623	3463.387466
2679.307507				
ZNF432	ZNF432	194.447638	200.071477	421.4279154
503.430756				
KCNA4	KCNA4	0	0	0.892855753
0				
MZB1	MZB1	919.5264811	1400.500339	97.32127708
246.0588527				
BNIP2	BNIP2	8559.210187	9497.809408	7701.773726
7627.824432				
PRKD3	PRKD3	2766.779042	2464.839974	3107.138021
2855.602547				
GTF2F2	GTF2F2	1206.512453	1550.807845	1253.569477
1198.24062				
SMG5	SMG5	7634.998221	6784.149577	6809.810828
6878.334824				
ALG5	ALG5	2704.696363	3338.248452	2308.032122
2115.54048				
C5orf52	C5orf52	8.199599194	5.07795627	8.035701777
9.427542247				
C1orf50	C1orf50	769.5909529	1016.606845	1174.998171
1032.315876				
WHAMM	WHAMM	378.3529342	330.0671576	1475.89056
898.4447762				
TESPA1	TESPA1	6193.040134	7609.825267	11053.55422
9901.747622				
EVI5L	EVI5L	241.3024906	177.7284695	354.463734
213.0624548				
PARG	PARG	1504.040766	1567.057305	1249.998054
1441.47121				
RHOA	RHOA	39149.57204	42104.38221	29432.09704
31209.87861				
GSTT1	GSTT1	169.8488405	185.8531995	273.2138604
389.3574948				
AKIP1	AKIP1	1160.828972	2184.536787	1720.533036
1280.260237				
NOM01	NOM01	3268.125965	5783.792192	3386.601871

2684.021278				
GUSB	GUSB	4793.251415	6290.572228	3798.208373
3954.853973				
NDN	NDN	277.6150013	166.5569657	28.5713841
138.584871				
NGFR	NGFR	0	58.9284797	0
ZNF580	ZNF580	920.6978524	973.9520126	454.4635783
510.9727898				
DPM3	DPM3	499.0041795	437.7198305	354.463734
331.8494871				
BCAP29	BCAP29	1670.375493	1982.434128	1460.712012
1246.321085				
SNTG2	SNTG2	2.342742627	3.046773762	13.3928363
8.484788022				
ZNF664-FAM101A	ZNF664-FAM101A	50.36896648		83.27848283
78.57130627	71.64932108			
ASIC3	ASIC3	2.342742627	0	12.49998054
10.37029647				
DCP2	DCP2	5972.822327	2764.439394	2577.674559
3189.337542				
RILPL1	RILPL1	125.3367305	191.946747	208.9282462
152.7261844				
GGTLC1	GGTLC1	0	2.031182508	0
KIF14	KIF14	3292.724762	2769.51735	575.8919607
1138.847103				
GJA8	GJA8	0	0.892855753	0
RAB3A	RAB3A	52.71170911	34.53010264	28.5713841
41.48118589				
RAB2A	RAB2A	4372.729113	4658.517082	5238.384703
5203.060566				
FBX022	FBX022	2905.000857	3848.075262	3490.173139
2427.592129				
TEN1-CDK3	TEN1-CDK3		794.1897505	1142.540161
705.3560449	483.6329173			
MAP1A	MAP1A	336.183567	1435.030442	128.5712284
102.7602105				
TRIM16	TRIM16	1875.365473	1424.874529	249.9996108
520.400332				
ZNF337	ZNF337	901.9559114	980.0455602	1733.925872
1466.925574				
KIAA1671	KIAA1671		1112.802748	673.3370014
548.2134324	443.0944856			
C14orf80	C14orf80		2042.871571	2794.907131
1472.319137	1404.703795			
NAT1	NAT1	845.7300883	858.1746097	627.6775944
661.8134658				
ARRDC3	ARRDC3	1031.978127	992.2326552	17201.75894
6708.639063				
RIMBP3	RIMBP3	72.62502143	64.99784026	153.5711895
132.9283457				
PCDHB5	PCDHB5	0	66.96418148	0

HIPK2	HIPK2	828.1595186	413.3456404	782.1416397
1304.771847				
TNNI3K	TNNI3K	21.08468364	23.35859884	33.03566286
32.05364364				
UTP23	UTP23	1171.371313	1215.662731	1852.675688
1518.777056				
C9orf156	C9orf156		1286.165702	1781.34706
1369.640725		1345.310279		
LOC100130705	LOC100130705		5.856856567	1.015591254
8.035701777		8.484788022		
RPTOR	RPTOR	3385.263096	1894.077689	904.4628778
990.8346902				
FMOD	FMOD	4.685485254	29.45214637	2.678567259
47.13771124				
DDB1	DDB1	23776.49492	25280.0975	17248.18744
17665.32866				
OSBPL1A	OSBPL1A	144.0786716	19.29623383	85.71415229
214.005209				
MAML1	MAML1	2259.575264	1268.473476	1758.032978
1823.286671				
SPCS2	SPCS2	6109.872771	7846.458029	6431.239989
6647.360038				
ZNRF2P1	ZNRF2P1	46.85485254	8.124730032	16.96425931
76.3630922				
FAM171A1	FAM171A1		208.5040938	641.8536726
1104.462567		410.0980878		
PTPMT1	PTPMT1	4843.620381	6329.164695	3998.208062
4156.603377				
KIF18B	KIF18B	3174.416259	2083.993253	835.7129848
1079.453587				
NAB1	NAB1	1201.826968	518.9671308	610.7133351
958.7810465				
CDR2L	CDR2L	39.82662466	23.35859884	15.1785478
18.85508449				
ROB01	ROB01	19.91331233	9.140321286	17.85711506
31.11088942				
MIPEP	MIPEP	1012.064815	1503.075056	1329.462216
900.3302846				
SLC5A2	SLC5A2	454.4920696	477.3278894	769.6416591
779.6577438				
CCDC125	CCDC125	621.9981674	309.7553325	421.4279154
360.1321138				
ZDHHC17	ZDHHC17	1684.431949	980.0455602	1318.747947
1795.004044				
PCDHGB5	PCDHGB5	8.199599194	22.34300759	41.07136464
57.50800771				
RBM20	RBM20	7.028227881	0	33.03566286
ZNF584	ZNF584	545.8590321	700.7579653	778.5702166
1021.002825				8.484788022
TSTD2	TSTD2	1485.298825	1507.137421	2199.10372

2033.520863					
LRRC70	LRRC70	33.96976809	52.81074521	29.46423985	
7.542033798					
ENKUR	ENKUR	1.171371313	0	41.96422039	3.771016899
RAC2	RAC2	40714.52411	52155.68885	17341.93729	
25895.57304					
VPS33A	VPS33A	4567.176751	5290.214842	3842.851161	
4739.225488					
BTG4	BTG4	1.171371313	5.07795627	0	0
ZC3H7B	ZC3H7B	516.5747492	271.1628648	444.642165	
397.8422828					
RNF144B	RNF144B	71.45365012	54.84192772	167.8568816	
160.2682182					
MFSD12	MFSD12	2866.345604	3506.8366	3249.994941	
2583.146576					
LINC00672	LINC00672		52.71170911	29.45214637	
36.60708587	24.51160984				
LOC101929743	LOC101929743		1.171371313	0	0
MAPK8IP2	MAPK8IP2		1.171371313	6.093547524	0
2.678567259	3.771016899				
ZNF75D	ZNF75D	1051.891439	755.599893	1959.818378	
1478.238624					
MED1	MED1	3674.59181	2524.759858	3001.781042	
3480.648598					
PTPN21	PTPN21	1.171371313	5.07795627	0	1.885508449
ZBTB11	ZBTB11	2762.093557	2278.986774	3830.351181	
3386.373175					
CERS4	CERS4	516.5747492	524.0450871	463.3921358	
501.5452475					
SUV420H1	SUV420H1		2507.905982	2316.56365	
2897.316919	2597.287889				
ABRA	ABRA	1.171371313	0	1.785711506	3.771016899
ICE2	ICE2	3894.809617	3969.946212	3245.530662	
3937.884397					
SPATS2	SPATS2	645.4255937	599.1988399	266.9638702	
450.6365194					
ANAPC1	ANAPC1	8341.335123	6600.32756	5495.52716	
5126.697474					
LMNTD2	LMNTD2	51.54033779	59.91988399	112.4998249	
75.42033798					
AIP	AIP	8731.401771	12257.17085	6954.45346	
7773.951337					
CRYBB3	CRYBB3	0	3.046773762	0	0
CRY1	CRY1	2281.831319	2465.855565	3888.386804	
3121.459238					
LIPG	LIPG	1.171371313	0	0	23.56885562
AKR1B1	AKR1B1	9977.740848	12530.36489	6100.88336	
6680.356436					
RABAC1	RABAC1	1987.817119	2786.782401	3711.601365	
2590.68861					

WBP1	WBP1	1520.439965	1527.449246	1199.998132	
944.6397332					
RCC2	RCC2	13373.54629	7105.076413	4699.992684	
6193.895256					
FSD1L	FSD1L	217.8750643	200.071477	101.7855558	
147.0696591					
TIMP2	TIMP2	9.370970508	4.062365016	0.892855753	
9.427542247					
NPRL2	NPRL2	2636.756827	3432.698439	4276.779057	
3602.263893					
HSPD1	HSPD1	29072.26463	34822.59292	27372.27882	
30483.0151					
STX2	STX2	1067.119267	1200.428862	822.3201485	
1148.274646					
DNAJC25-GNG10	DNAJC25-GNG10	1109.819701	1904.649756	2350.078162	
1420.730617					
UCHL1	UCHL1	44.51210991	67.02902277	57.14276819	0
TPH1	TPH1	0	4.062365016	0	4.713771124
CHERP	CHERP	3651.164384	2714.675422	3174.995058	
2845.23225					
RGS9BP	RGS9BP	3.51411394	0	19.64282657	3.771016899
UBE2M	UBE2M	3307.952589	1969.231442	1379.462138	
1410.36032					
KCNC3	KCNC3	2.342742627	0	1.785711506	6.599279573
CNTN2	CNTN2	1.171371313	2.031182508	0	3.771016899
SELE	SELE	2.342742627	2.031182508	10.71426904	0
LOC100130872	LOC100130872	139.2854975	215.5323217	142.1827756	
200.8066499					
ZGRF1	ZGRF1	1851.938047	937.3907275	795.5344759	
1114.335494					
SCN3B	SCN3B	4.685485254	3.046773762	6.249990271	
0.942754225					
SOX18	SOX18	5.856856567	76.16934405	15.1785478	
12.25580492					
PIGZ	PIGZ	40.99799597	41.63924142	0	4.713771124
PARM1	PARM1	0	0	33.93915209	
NPDC1	NPDC1	1014.407557	739.3504329	456.2492898	
616.561263					
CD1C	CD1C	26.94154021	3.046773762	0	13.19855915
CSNK1E	CSNK1E	1586.036758	1603.61859	1191.96243	
1249.149348					
CTNNA1	CTNNA1	3081.877926	4219.781661	2721.424335	
2976.275087					
SLC25A15	SLC25A15	1263.390891	1103.431777	1291.832075	
1153.931171					
LTK	LTK	501.3469222	52.81074521	2.678567259	
72.5920753					
PTS	PTS	1051.891439	1035.903079	684.8203626	
708.0084228					
MY09A	MY09A	927.7260803	577.8714236	1145.533931	

1198.24062				
CD160	CD160	22.25605496	19.29623383	146.4283435
51.85148236				
HOXB3	HOXB3	24.59879758	7.109138778	11.60712479
46.19495701				
EFNA5	EFNA5	4.685485254	0	0
GCLM	GCLM	2329.857542	3221.455458	3.771016899
2245.640563				3124.10228
FH	FH	4739.368334	5914.803464	2856.245554
3464.621776				
EEF1G	EEF1G	18402.24333	26609.50645	24671.39017
21557.96086				
PRR19	PRR19	682.9094757	958.7181438	526.7848943
646.7293982				
FAM179A	FAM179A	345.5545375	485.4526194	103.5712674
99.93194782				
TXNDC12	TXNDC12	6961.459716	9195.163214	7908.91626
6966.010966				
MIR4657	MIR4657	30.45565415	22.34300759	9.821413283
28.28262674				
MIR4648	MIR4648	0	1.015591254	0
MIR4656	MIR4656	1.171371313	1.015591254	0
MIR4647	MIR4647	425.2077868	516.9359483	0.942754225
280.940759				245.5353321
MIR4644	MIR4644	4.685485254	7.109138778	3.571423012
1.885508449				
OCEL1	OCEL1	544.6876608	398.1117716	557.1419899
564.7097806				
CCDC30	CCDC30	4.685485254	14.21827756	53.57134518
44.30944856				
CYP2C18	CYP2C18	21.08468364	3.046773762	0
SNCB	SNCB	2.342742627	1.015591254	0
CCL5	CCL5	5269.999539	2411.013637	3.771016899
8040.750783				0.942754225
CCL4	CCL4	3468.430459	1346.674003	3690.172827
11300.79489				
KLRB1	KLRB1	414.665445	269.1316823	11385.69656
670.2982538				
C19orf44	C19orf44		1275.62336	995.279429
1274.998015		1108.678968		
NLRC5	NLRC5	10695.79146	7808.881152	13608.01453
11836.27929				
GRK7	GRK7	2.342742627	0	22.32139383
SYDE2	SYDE2	24.59879758	32.49892013	0
225.3182597				378.5708393
BBS2	BBS2	832.8450039	727.1633379	2652.674442
2694.391574				
EMILIN2	EMILIN2	311.5847694	671.3058189	572.3205377
324.3074533				
STK11IP	STK11IP	1933.934039	1999.699179	1683.033094

1543.288666					
DPY19L2	DPY19L2	10.54234182	5.07795627	9.821413283	
4.713771124					
DIP2C	DIP2C	32.79839678	21.32741634	158.0354683	
162.1537267					
ZNF296	ZNF296	216.703693	368.6596252	288.3924082	
130.100083					
SLC2A3	SLC2A3	11418.52756	11585.86503	11192.83972	
11606.24726					
NAA50	NAA50	11231.10815	11501.57095	8743.736389	
10238.31088					
LYAR	LYAR	2367.341425	2661.864677	2169.63948	
2410.622553					
MKRN2	MKRN2	3763.61603	5265.840652	5624.098388	
4721.313157					
LAMP3	LAMP3	1205.341082	1362.923463	5670.526887	
4801.447266					
BRPF3	BRPF3	844.558717	516.9359483	1392.854975	
1183.156552					
SGIP1	SGIP1	12.88508445	2.031182508	0	10.37029647
SV2C	SV2C	7.028227881	6.093547524	14.28569205	0
UBA3	UBA3	9424.853588	10415.9039	6467.847075	
7421.361257					
RTCB	RTCB	10323.29539	15531.43705	9709.806314	
9513.332882					
TSTD3	TSTD3	135.8790724	92.41880412	35.71423012	
103.7029647					
MAPK8IP3	MAPK8IP3		885.556713	323.97361	
801.7844662		653.3286777			
EMC2	EMC2	1489.984311	1645.257832	1801.78291	
1800.660569					
BMPR2	BMPR2	610.2844543	422.4859617	839.2844078	
742.8903291					
MAPK12	MAPK12	182.7339249	119.839768	13.3928363	
15.0840676					
KLF9	KLF9	124.1653592	64.99784026	174.1068718	
192.3218618					
UCN	UCN	24.59879758	6.093547524	8.035701777	
22.62610139					
TOP2B	TOP2B	14349.29859	8951.421313	9758.913381	
11357.36015					
TIGD1	TIGD1	544.6876608	351.3945739	887.4986185	
666.5272369					
BACH2	BACH2	905.4700253	717.0074254	3362.494766	
3237.418008					
B9D1	B9D1	91.36696245	90.38762161	58.9284797	
61.27902461					
MIR3176	MIR3176	4.685485254	0	0	0
MIR3175	MIR3175	3.51411394	1.015591254	1.785711506	
11.3130507					

MIR3173	MIR3173	0	0	0	0.942754225		
MIR1260B	MIR1260B			14.05645576		7.109138778	
43.7499319	41.48118589						
MIR3162	MIR3162	0	0	0.892855753		0	
MIR3160-2	MIR3160-2			1.171371313		0	0
MIR3160-1	MIR3160-1			1.171371313		0	0
SLC2A6	SLC2A6	64.42542224		135.0736368		356.2494455	
183.8370738							
RPL27	RPL27	10503.68657		10914.55921		9941.055954	
9612.322075							
C10orf105	C10orf105			16.39919839		18.28064257	
50.89277792	12.25580492						
ADRB2	ADRB2	103.0806756		43.67042392		314.2852251	
195.1501245							
IMPACT	IMPACT	1103.431777		737.3192504		761.6059573	
1227.466001							
FBX06	FBX06	1645.776695		3539.33552		3071.42379	
2410.622553							
ZBTB43	ZBTB43	1123.34509		1147.618117		1583.03325	
1556.487225							
AMIG01	AMIG01	80.82462063		24.3741901		728.5702945	
757.0316424							
APMAP	APMAP	5118.89264		6158.545365		6680.346744	
5961.034963							
SMA4	SMA4	132.3649584		101.5591254		162.4997471	
145.1841506							
TREML5P	TREML5P	0	0	8.035701777		0	
FLJ25758	FLJ25758			2.342742627		0	0
INPP5A	INPP5A	235.445634		362.5660777		464.2849916	
431.7814349							
OPA1-AS1	OPA1-AS1			428.7219007		516.9359483	
341.0708977	370.5024103						
S100Z	S100Z	32.79839678		45.70160643		0.892855753	
22.62610139							
ORMDL3	ORMDL3	7192.219865		3966.899438		4283.029047	
4467.712271							
TMEM14A	TMEM14A	1111.631376		1381.204106		891.9628973	
1148.274646							
RELT	RELT	1033.149498		1228.865417		995.5341646	
887.1317255							
MICALCL	MICALCL	11.71371313		2.031182508		8.92855753	
15.0840676							
BOD1L1	BOD1L1	1694.974291		1731.583088		3123.209424	
2564.291491							
FAM65C	FAM65C	37.48388203		44.68601518		81.24987353	
83.905126							
ATP2C2	ATP2C2	25.7701689		20.31182508		5.357134518	
7.542033798							
CCDC91	CCDC91	1184.256398		1198.39768		1696.425931	
1523.490827							

RAET1E	RAET1E	5.856856567	0	2.678567259	0
EXOSC8	EXOSC8	5839.285998	5795.979287	4069.636522	
4921.177053					
TMEM80	TMEM80	566.9437157	732.2412942	695.5346316	
814.5396502					
NAP1L2	NAP1L2	35.1411394	24.3741901	180.3568621	
143.2986422					
MAFA	MAFA	1.171371313	0	0	3.771016899
LINC00235	LINC00235		1.171371313	3.046773762	
2.678567259		3.771016899			
CD58	CD58	4353.987172	4220.797252	1440.17633	
2462.474035					
EMG1	EMG1	3562.140164	4351.808524	4618.74281	
4230.138206					
RNFT2	RNFT2	121.8226166	179.759652	100.8927001	
64.10728728					
NFS1	NFS1	2636.756827	2727.878108	1650.890287	
1998.638956					
ASS1	ASS1	9.370970508	11.17150379	12.49998054	
35.82466054					
ITFG1	ITFG1	2889.77303	3091.459777	2583.031694	
2489.813907					
THOC3	THOC3	1668.03275	5346.072361	3195.53074	
1738.43879					
PPP1R35	PPP1R35	1938.619524	2231.253985	1551.783299	
1700.728621					
SLC35D3	SLC35D3	0	21.32741634	22.32139383	0
RFFL	RFFL	5617.896819	2646.630808	3568.744445	
4297.073756					
SRP14-AS1	SRP14-AS1		327.9839678	401.1585454	
611.6061908		276.2269878			
N4BP2	N4BP2	3050.2509	1796.580928	1342.855053	
1961.871542					
BOK	BOK	2.342742627	2.031182508	3.571423012	
6.599279573					
MAP1LC3A	MAP1LC3A		713.3651299	375.768764	
156.2497568		252.6581322			
KDM4B	KDM4B	2033.5006	1674.709978	1158.033912	
1803.488832					
EMC6	EMC6	2722.266932	3198.096859	2216.960835	
2299.377554					
RNF208	RNF208	3.51411394	1.015591254	0	4.713771124
STEAP4	STEAP4	0	19.64282657	0	
PCBD1	PCBD1	1097.574921	1095.822963	599.1062103	
727.8062615					
EBNA1BP2	EBNA1BP2		5477.332262	8459.875146	
5766.955309		5742.315983			
TDRD1	TDRD1	36.31251072	0	8.92855753	84.84788022
ATG10	ATG10	550.5445173	476.3122981	275.8924277	
432.7241891					

GOLGA4	GOLGA4	2692.98265	2586.710924	4223.207712	
3245.902796					
TTBK2	TTBK2	548.2017747	379.831129	697.3203431	
655.2141862					
PTER	PTER	1404.474205	1705.177716	1786.604362	
1781.805485					
SRXN1	SRXN1	2853.46052	6569.859822	4786.599692	
2193.789081					
ADAMTS14	ADAMTS14		4.685485254	0	0
0	0				
OCSTAMP	OCSTAMP	0	67.85703723	14.14131337	
EEF1DP3	EEF1DP3	18.74194102	15.23386881	1.785711506	
7.542033798					
LINC00319	LINC00319		0	0.892855753	0
0	0				
LOC441666	LOC441666		11.71371313	28.43655511	
19.64282657	31.11088942				
LOC400794	LOC400794		0	3.571423012	0
0	0				
CECR3	CECR3	1.171371313	0	0	
0	0				
ZNF204P	ZNF204P	7.028227881	11.17150379	443.7493093	
312.0516484					
TLK2	TLK2	1768.770683	1251.208425	1723.211603	
1448.070489					
FAM27B	FAM27B	18.74194102	16.24946006	15.1785478	
6.599279573					
FAM27C	FAM27C	3.51411394	0	0	
0	0				
LINC00674	LINC00674		418.1795589	426.5483267	
1291.962275	1309.485618				
LINC00910	LINC00910		80.82462063	75.1537528	
149.9997665	104.6457189				
GGNBP1	GGNBP1	17.5705697	12.18709505	3.571423012	
16.96957604					
WDR93	WDR93	7.028227881	0	0	
0	0				
MGC16275	MGC16275		190.9335241	230.5392147	
21.42853807	63.16453306				
SERTAD4-AS1	SERTAD4-AS1		0	1.015591254	0
0	0				
HLA-F-AS1	HLA-F-AS1		62.08267961	41.63924142	
78.57130627	113.130507				
LOC646762	LOC646762		90.19559114	2.031182508	
32.14280711	131.0428372				
MSL3P1	MSL3P1	480.2622385	445.8445605	248.2138993	
308.2806315					
FAM20B	FAM20B	1398.617348	938.4063187	1361.605023	
1422.616125					
INMT-FAM188B	INMT-FAM188B		72.62502143	66.01343151	
38.39279738	90.50440557				
CCDC170	CCDC170	0	16.96425931	0	
0	0				
FDX1L	FDX1L	619.6554248	867.314931	635.7132962	
679.725796					
TMEM261	TMEM261	1758.228342	1544.714297	1262.498035	
1272.718203					
DSCAM	DSCAM	0	3.571423012	0	
0	0				

DYNLL1 DYNLL1	14947.86933	17469.18516	9069.628739	
10032.79046				
SOCS1 SOCS1	1965.561064	4756.013843	5165.170531	
4426.231085				
KCNJ10 KCNJ10	7.028227881	0 0	0	
KCNG1 KCNG1	24.59879758	1.015591254	23.21424958	
34.88190631				
KCNA3 KCNA3	8042.635438	3997.367176	5818.740942	
6631.333217				
LRP1 LRP1	9.370970508	0 79.46416202	21.68334717	
ZNF221 ZNF221	60.9113083	29.45214637	112.4998249	
87.6761429				
ASAH2B ASAH2B	35.1411394	42.65483267	53.57134518	
49.02321969				
MAP3K13 MAP3K13	939.4397934	773.8805356	614.2847581	
790.9707945				
REC114 REC114	2.342742627	2.031182508	11.60712479	
1.885508449				
TYW5 TYW5	1329.506441	1178.085855	796.4273317	
960.666555				
RGMB-AS1 RGMB-AS1		0 1.015591254	3.571423012	
0.942754225				
LOC613038 LOC613038		5.856856567	4.062365016	0
3.771016899				
LOC388242 LOC388242		5.856856567	4.062365016	0
3.771016899				
LOC613037 LOC613037		100.737933	36.56128515	
74.1070275 78.24860065				
SNORA22 SNORA22	7.028227881	3.046773762	6.249990271	
16.02682182				
ST7-OT4 ST7-OT4	16.39919839	16.24946006	8.035701777	
2.828262674				
TUG1 TUG1	2479.793071	914.0321286	1526.783338	
1604.56769				
PIPSL PIPSL	9.370970508	32.49892013	13.3928363	
4.713771124				
CATSPER2P1 CATSPER2P1		23.42742627	32.49892013	
85.71415229 49.96597391				
GATAD2B GATAD2B	1060.091039	303.661785	724.1060157	
806.9976164				
LRRC47 LRRC47	3124.047293	4287.826275	3825.886902	
3540.984868				
GCHFR GCHFR	2033.5006	3247.86083	2455.353321	
1975.070101				
CLEC11A CLEC11A	36.31251072	20.31182508	29.46423985	
39.59567744				
ACLY ACLY	17134.81957	18332.43773	11294.62528	
13247.58237				
EIF2B5 EIF2B5	6072.388889	7702.244071	7777.666465	
6632.275971				

F2RL1	F2RL1	12.88508445	39.60805891	506.249212	
376.1589357					
RHOQ	RHOQ	696.9659315	821.6133245	570.5348262	
637.3018559					
TAF3	TAF3	1426.73026	2185.552379	2857.13841	
2017.494041					
ATAD3B	ATAD3B	3579.710734	4996.70897	2496.424685	
2784.89598					
MBD5	MBD5	298.6996849	194.9935208	447.3207323	
397.8422828					
SYT11	SYT11	6752.955622	5911.75669	1900.889898	
3470.278301					
EPOR	EPOR	509.5465214	634.7445338	550.8919996	
685.3823214					
CNR2	CNR2	0	7.109138778	45.5356434	4.713771124
TRAPPC13	TRAPPC13		2060.44214	2023.057778	
1591.961808		2023.150566			
BANF1	BANF1	5658.894815	7246.243598	5578.562745	
4998.482899					
OR2A9P	OR2A9P	0	5.07795627	1.785711506	2.828262674
GTF2H5	GTF2H5	2219.748639	2453.66847	1355.355033	
1337.768245					
OR2L1P	OR2L1P	0	0	3.771016899	
SNORA48	SNORA48	65.59679355	56.87311023	143.7497762	
106.5312274					
TRAPPC2P1	TRAPPC2P1		425.2077868	371.706399	
691.9632086		570.366306			
HMGB3P1	HMGB3P1	0	0	0.892855753	0
ACOT1	ACOT1	92.53833376	308.7397412	141.071209	
59.39351616					
ATP5EP2	ATP5EP2	55.05445173	17.26505132	8.92855753	
44.30944856					
AGBL3	AGBL3	65.59679355	56.87311023	222.3210825	
126.3290661					
TDH	TDH	0	2.031182508	0	1.885508449
SCARNA11	SCARNA11		0	0	3.571423012
1.885508449					
ARHGEF35	ARHGEF35		69.11090749	62.96665775	
74.1070275		82.01961755			
OXNAD1	OXNAD1	2422.395876	2613.116297	2780.352815	
2404.966027					
C11orf16	C11orf16		3.51411394	12.18709505	
8.035701777		2.828262674			
JPH1	JPH1	2.342742627	0	1.785711506	0
SDR9C7	SDR9C7	0	0	3.771016899	
UNC5B	UNC5B	1.171371313	4.062365016	19.64282657	0
CCDC115	CCDC115	2629.728599	4182.204784	6358.025817	
4375.322357					
RAVER2	RAVER2	79.65324932	35.54569389	119.6426709	
161.2109724					

TTC37	TTC37	4844.791752	5648.718555	4095.529339	
5053.162644					
NOD1	NOD1	926.5547089	942.4686838	1166.069613	
1731.839511					
LDHB	LDHB	52074.48311	65047.60423	41895.4705	
46138.39176					
TMEM200C	TMEM200C		2.342742627	2.031182508	0
0					
SLC5A10	SLC5A10	203.8186085	266.0849086	253.5710339	
240.4023273					
HMB0X1	HMB0X1	990.9801312	1181.132628	1819.640025	
1168.072484					
ANKRD32	ANKRD32	1480.61334	1036.91867	756.2488228	
1028.544859					
MED10	MED10	3044.394044	3941.509657	4479.457313	
3435.396395					
OGF0D1	OGF0D1	5243.057999	6704.933459	6662.489629	
6490.862837					
SNPH	SNPH	331.4980817	228.5080322	940.1771079	
759.8599051					
CCAR2	CCAR2	11875.36238	14713.88609	11253.55391	
9820.670759					
C1S	C1S	9.370970508	3.046773762	0.892855753	
14.14131337					
EPHA4	EPHA4	180.3911823	30.46773762	217.8568037	
391.2430033					
SLC12A7	SLC12A7	2448.166045	1173.007898	1283.926573	
986.1209191					
HCG9	HCG9	1.171371313	0	0	0
CAPZB	CAPZB	19373.31015	18107.99206	9719.627727	
10910.49464					
TRMT2A	TRMT2A	4657.372342	6092.531933	4597.314272	
5234.171456					
ZNF543	ZNF543	620.8267961	550.4504597	601.7847775	
771.1729558					
HNRNPH3	HNRNPH3	9025.41597	9594.290577	10858.91167	
9243.705173					
RIN1	RIN1	16.39919839	0	177.6782949	110.3022443
ACVR1B	ACVR1B	42.16936728	31.48332888	168.7497373	
146.1269048					
ULBP1	ULBP1	1.171371313	2.031182508	92.85699832	
84.84788022					
ABCF3	ABCF3	2960.055309	3772.921509	4959.813708	
3991.621387					
GKAP1	GKAP1	96.0524477	49.76397145	263.3924471	
121.615295					
PAG1	PAG1	8729.059028	7322.412942	7502.666893	
8665.796834					
UTP6	UTP6	3920.579786	4752.967069	4049.10084	
4650.606591					

LHFPL3	LHFPL3	3.51411394	0	0	0
DCK	DCK	10572.79748	8949.390131	7468.738374	
8978.791236					
DBH	DBH	0	1.015591254	7.142846024	26.39711829
PDE3A	PDE3A	0	0	1.885508449	
CTDNEP1	CTDNEP1	2685.954422	1269.489068	1204.462411	
1416.016846					
EDEM2	EDEM2	2628.557227	3236.689327	2206.246566	
2830.148183					
PLET1	PLET1	7.028227881	2.031182508	0	5.656525348
SNHG21	SNHG21	222.5605496	327.0203838	244.6424763	
302.6241061					
CDH3	CDH3	4.685485254	8.124730032	57.14276819	
7.542033798					
UVRAG	UVRAG	1180.742284	1270.504659	2033.925405	
2157.96442					
TNR	TNR	7.028227881	1.015591254	0	0.942754225
NAGPA-AS1	NAGPA-AS1	136.6069302	59.73993699	128.9800893	
56.56525348					
RAPGEF2	RAPGEF2	324.4698538	87.34084785	135.7140745	
167.810252					
SNORA56	SNORA56	9.370970508	5.07795627	8.035701777	
9.427542247					
NLRP14	NLRP14	4.685485254	14.21827756	0	0
LINC01123	LINC01123		0	2.031182508	0
RFC5	RFC5	4479.323903	4759.060616	2782.138526	0
3919.029312					
LOC100129216	LOC100129216		10.54234182	14.21827756	
24.99996108	16.96957604				
WBP5	WBP5	17.5705697	13.2026863	216.963948	
83.905126					
RNF217-AS1	RNF217-AS1		5.856856567	1.015591254	
0.892855753	6.599279573				
AKR1C6P	AKR1C6P	4.685485254	0	2.678567259	8.484788022
C6orf57	C6orf57	283.4718579	306.7085587	264.2853029	
227.2037682					
CASKIN1	CASKIN1	148.7641568	67.02902277	110.7141134	
80.1341091					
FAM96A	FAM96A	5719.806124	5016.005204	3666.958578	
4465.826762					
ZCCHC7	ZCCHC7	1015.578929	968.8740564	1799.997198	
1623.422775					
GPR137C	GPR137C	51.54033779	27.42096386	9.821413283	
25.45436407					
ZNF582-AS1	ZNF582-AS1		48.02622385	47.73278894	
406.2493676	160.2682182				
PPAP2A	PPAP2A	1569.63756	1937.748113	1773.211526	
1577.227818					
ZNF92	ZNF92	1398.617348	877.4708435	1229.462372	
1681.873537					

SIDT2	SIDT2	249.5020898	183.822017	267.8567259
290.3683012				
MYL6	MYL6	75075.53022	96585.77503	35199.05235
43704.20035				
LINC01011	LINC01011		40.99799597	64.99784026
111.6069691		128.2145746		
MIR4284	MIR4284	1.171371313	1.015591254	0
MIR548Z	MIR548Z	3.51411394	2.031182508	0
MIR550B1	MIR550B1		0	0.942754225
LINC01061	LINC01061		90.19559114	111.7150379
124.1069497		99.93194782		
CAHM	CAHM	2.342742627	2.031182508	30.3570956
7.542033798				
YIPF1	YIPF1	1534.496421	1759.004052	1497.319098
1423.558879				
LINC01134	LINC01134		10.54234182	3.046773762
7.142846024		1.885508449		
LOC100134368	LOC100134368		2.342742627	1.015591254
32.14280711		29.22538097		
GUSBP11	GUSBP11	506.0324074	183.822017	675.891805
664.6417284				
FAM66C	FAM66C	11.71371313	14.21827756	102.6784116
49.02321969				
MAP3K14-AS1	MAP3K14-AS1		504.8610361	396.0805891
480.3563951		516.6293151		
MIR100HG	MIR100HG		0	1.015591254
2.828262674				0
FAM225A	FAM225A	0	3.571423012	0
LINC00086	LINC00086		36.31251072	14.21827756
69.64274874		49.96597391		
RBPM5	RBPM5	5.856856567	32.49892013	10.71426904
9.427542247				
ZNF341-AS1	ZNF341-AS1		2.342742627	4.062365016
6.249990271		4.713771124		
OR1L8	OR1L8	1.171371313	5.07795627	0
ZNF362	ZNF362	1627.034754	1119.181562	641.0704307
1163.358713				
TONSL	TONSL	3177.930373	2376.483534	1220.533814
1423.558879				
NT5C1B-RDH14	NT5C1B-RDH14		837.5304891	848.0186971
1681.247383		1468.811082		
NPTX1	NPTX1	11969.07208	5519.738466	254.4638896
925.7846487				
SLC25A17	SLC25A17		2211.54904	3004.118929
1604.461788		2098.570904		
MIR1224	MIR1224	0	1.785711506	0
GSTM2	GSTM2	275.2722587	236.6327622	175.8925833
303.5668604				
ANXA1	ANXA1	4514.465042	6780.087212	10184.80557
9387.94657				

LRRC6	LRRC6	1.171371313	0	3.571423012	57.50800771
TRPC5	TRPC5	3.51411394	0	0	0.942754225
PRPF6	PRPF6	8861.423986	13737.90289		12714.26592
10757.76846					
SLC22A31	SLC22A31		38.65525334		8.124730032
9.821413283		33.93915209			
RNPS1	RNPS1	17699.42055	25718.83292		20775.86052
17884.9904					
SDS	SDS	4.685485254	2.031182508		1.785711506
MACC1	MACC1	101.9093043	41.63924142		0
ACYP1	ACYP1	654.7965642	770.8337618		73.53482953
541.140925					483.9278181
GMCL1P1	GMCL1P1	0	0	1.785711506	1.885508449
SUGT1P3	SUGT1P3	42.16936728	22.34300759		49.99992217
60.33627038					
PRODH	PRODH	62.08267961	17.26505132		46.42849916
26.39711829					
YKT6	YKT6	3960.406411	3660.19088		3092.852328
2140.05209					
C6orf222	C6orf222		10.54234182		0
		27.33987252			60.71419121
SOX7	SOX7	5.856856567	16.24946006		0
THAP2	THAP2	310.4133981	315.84888		46.19495701
543.9691877					607.1419121
PPM1G	PPM1G	12922.56833	17108.65027		9979.448752
9670.772837					
WDFY3	WDFY3	43.3407386	2.031182508		0
GOLGA2P6	GOLGA2P6		0		33.93915209
4.713771124					1.785711506
CNIH3	CNIH3	9.370970508	2.031182508		0
COQ9	COQ9	2965.912166	4257.358537		19.79783872
2864.087335					2709.81721
ATP13A4	ATP13A4	37.48388203	10.15591254		58.9284797
29.22538097					
C5AR2	C5AR2	2.342742627	7.109138778		0
ASAP1	ASAP1	1341.220154	775.9117181		0
1770.492434					1613.390346
PDCD1LG2	PDCD1LG2		454.4920696		289.4435074
99.10698859		228.1465224			
REL	REL	1413.845175	1066.370817		2302.674987
2204.159377					
SSH3	SSH3	250.6734611	132.026863		183.0354294
436.495206					
C8orf44-SGK3	C8orf44-SGK3		319.7843686		386.9402678
2571.424569		2150.422387			
RTCA	RTCA	4790.908672	5859.961536		2767.852834
3733.30673					
CLK3	CLK3	3887.781389	5111.470782		5608.919841
4606.297142					
ADAMDEC1	ADAMDEC1		0		0
					175.8925833

16.96957604					
LOC100133669	LOC100133669		63.25405093	56.87311023	
93.74985407	112.1877527				
LOC100130673	LOC100130673		1.171371313	0	0
ZNF510 ZNF510	413.4940737		284.3655511	821.4272928	0
579.7938482					
C3AR1 C3AR1	302.2137989		510.8424008	366.0708587	
447.8082567					
PPY PPY	5.856856567		3.046773762	0	0
RPS6KB2 RPS6KB2	4986.527681		6075.266882	5547.312794	
4822.187859					
CDS1 CDS1	0	2.031182508	99.10698859	44.30944856	
EXOC5 EXOC5	7151.221869		6369.788345	5125.884878	
6105.276359					
CIC CIC	429.893272		123.902133	162.4997471	
208.3486837					
C2orf82 C2orf82	1.171371313		3.046773762	0.892855753	0
USF1 USF1	835.1877465		404.2053191	951.7842327	
782.4860065					
BMP1 BMP1	105.4234182		123.902133	179.4640064	
181.0088111					
FAM83H-AS1	FAM83H-AS1		7.028227881	0	1.785711506
0					
LOC100507373	LOC100507373		72.62502143	38.59246765	
72.321316	57.50800771				
PLBD1-AS1	PLBD1-AS1		0	0	11.60712479
C12orf45	C12orf45		657.1393069	861.2213834	0
706.2489006	466.6633412				
ARL14EP ARL14EP	1867.165874		2126.648086	2422.317658	
2082.544082					
LILRB3 LILRB3	78.481878		58.90429273	66.96418148	
96.16093092					
NUDCD3 NUDCD3	4380.928712		5793.948104	5938.383613	
5436.863614					
RHBDL2 RHBDL2	10.54234182		9.140321286	16.07140355	
6.599279573					
LOC653786	LOC653786		0	4.062365016	18.74997081
0.942754225					
ALMS1P ALMS1P	0	0	13.3928363	0	
TFE3 TFE3	3252.898137		2007.823909	2164.282345	
1914.73383					
ANKUB1 ANKUB1	1.171371313		0	6.249990271	0
FCER1G FCER1G	113.6230174		752.5531193	374.1065605	
100.874702					
EIF4EBP1	EIF4EBP1		1696.145662	2615.147479	
1674.997393	1455.612523				
SIM2 SIM2	0	6.093547524	14.28569205	11.3130507	
FASN FASN	952.3248778		149.2919143	152.6783338	
208.3486837					
CHURC1 CHURC1	6258.636928		5679.186293	8880.34332	

9696.227201				
SPATA21	SPATA21	15.22782708	1.015591254	33.92851862
22.62610139				
ATP11A	ATP11A	2236.147837	1413.703026	1010.712712
1630.964809				
MY01D	MY01D	144.0786716	297.5682374	598.2133545
511.915544				
NLN	NLN	1343.562897	1918.451879	1002.677011
1244.435577				
TIPARP-AS1	TIPARP-AS1		190.9335241	156.4010531
166.0711701		180.0660569		
ENAM	ENAM	0	0	2.828262674
TMEM182	TMEM182	117.1371313	164.5257832	280.3567065
213.0624548				
UNK	UNK	1327.163698	1217.693914	1768.747247
1465.982819				
FAM175B	FAM175B	1584.865387	1830.09544	1713.39019
1934.531669				
CRTAC1	CRTAC1	1.171371313	0	0
C1orf216	C1orf216		2642.613683	3666.284427
2124.103836		2523.75306		
UTP15	UTP15	2265.43212	2156.100232	1944.63983
2342.744248				
USP42	USP42	2035.843343	1398.469157	2903.566909
2048.60493				
C2orf76	C2orf76	290.5000857	348.3478001	291.0709755
277.1697421				
R3HDM4	R3HDM4	7147.707755	6141.280313	6380.347211
5909.183481				
GRM2	GRM2	2.342742627	2.031182508	0
				5.656525348
MIR626	MIR626	0	0	0.942754225
MIR624	MIR624	0	1.015591254	0
				0.942754225
LOC100506083	LOC100506083		746.1635267	1098.869737
755.3559671		713.6649481		
ATXN1	ATXN1	1966.732435	1181.132628	923.2128486
1360.394346				
TMC6	TMC6	9534.962492	11126.81778	6250.883127
6689.783979				
TMEM2	TMEM2	4957.243399	2825.374869	1491.069108
2411.565307				
KIF26A	KIF26A	14.05645576	1.015591254	0
CECR5	CECR5	1903.478384	3210.283954	2885.709794
2250.354334				
PEAK1	PEAK1	417.0081876	428.5795092	283.9281295
396.8995286				
MRPS24	MRPS24	3051.422272	3538.319929	2549.103175
2453.046493				
C1QTNF4	C1QTNF4	2.342742627	0	0
				3.771016899
PTRF	PTRF	4.685485254	34.53010264	72.321316
15.0840676				

UQCRC2	UQCRC2	13440.31445	17389.96904	7595.523891	
9394.545849					
KIF1A	KIF1A	0	3.046773762	10.71426904	0
BCL9	BCL9	776.6191808	499.670897	732.1417175	
799.4555826					
RAB11FIP4	RAB11FIP4		2274.803091	2714.675422	
3689.279972		3074.321527			
IGJ	IGJ	311.5847694	103.5903079	0.892855753	
11.3130507					
RHOBTB3	RHOBTB3	74.96776406	33.51451138	103.5712674	
91.4471598					
UNC45A	UNC45A	6660.417288	8426.360635	5038.385014	
5698.006534					
COR06	COR06	48.02622385	25.38978135	66.07132572	
33.93915209					
MUM1	MUM1	1248.68182	1194.335315	1244.64092	
1253.863119					
SBSPON	SBSPON	2.342742627	2.031182508	15.1785478	
2.828262674					
KRT3	KRT3	0	0	4.713771124	
TAGAP	TAGAP	3757.759174	2380.545899	8506.236759	
8160.480569					
ASXL2	ASXL2	1463.042771	776.9273093	1145.533931	
1227.466001					
DARS2	DARS2	4841.277639	5580.673941	3236.602105	
4246.165028					
ZNF791	ZNF791	1561.437961	1757.988461	2202.675143	
2412.508061					
SCAP	SCAP	6490.568448	6803.445811	5066.063543	
5756.457296					
ARFIP2	ARFIP2	1884.736443	2235.31635	3298.209152	
2611.429202					
WNT7B	WNT7B	1.171371313	0	0	8.484788022
FZD4	FZD4	16.39919839	14.21827756	25.89281684	
7.542033798					
GRHPR	GRHPR	2418.881762	3234.658144	2771.424257	
2792.438014					
ZNF525	ZNF525	602.0848551	345.3010264	1350.890754	
1393.390744					
AQP7	AQP7	12.88508445	6.093547524	0	7.542033798
HTRA1	HTRA1	0	0	40.17850889	29.22538097
IFNL4	IFNL4	0	0	20.53568232	5.656525348
C5orf66	C5orf66	3591.424447	4709.296645	1874.104226	
2263.552894					
FZR1	FZR1	2369.684167	1782.362651	1528.569049	
1468.811082					
LOC100129316	LOC100129316		2.342742627	2.031182508	0
	0.942754225				
C15orf37	C15orf37		374.8388203	413.3456404	
299.1066773	330.9067329				

LAMTOR2	LAMTOR2	3320.837674	4021.741366	2363.389178	
2278.636961					
POLR2G	POLR2G	7024.713767	7076.639858	5334.813124	
6159.01335					
P4HB	P4HB	27397.20365	42207.97252	28221.38464	
22298.02292					
MSL1	MSL1	883.2139703	529.1230434	534.8205961	
458.1785532					
LOC100507195	LOC100507195		112.4516461	30.46773762	
49.10706642	212.1197006				
LOC101928988	LOC101928988		19.91331233	4.062365016	
1.785711506	16.02682182				
ZC3H12C	ZC3H12C	113.6230174	64.99784026	3.571423012	
47.13771124					
NAALAD2	NAALAD2	0	7.142846024	5.656525348	
0	0				
SLC17A7	SLC17A7	1.171371313	3.046773762	0	0
KRT86	KRT86	7.028227881	29.45214637	15.1785478	
7.542033798					
ACTR1A	ACTR1A	9681.383906	8965.639591	5845.526615	
6170.326401					
ADAMTS3	ADAMTS3	1.171371313	0	0	0
PPP1R7	PPP1R7	5305.140679	7055.312442	4424.100256	
4792.962478					
PARP4	PARP4	14098.62513	11670.1591	7427.667009	
9010.84488					
HEXIM1	HEXIM1	741.4780414	668.2590452	841.0701194	
770.2302016					
NDST1	NDST1	62.08267961	29.45214637	0	40.53843166
HIST1H2AK	HIST1H2AK		71.45365012	62.96665775	
48.21421066	26.39711829				
HIST1H2AI	HIST1H2AI		100.737933	88.3564391	
29.46423985	32.05364364				
FZD9	FZD9	12.88508445	4.062365016	37.49994163	0
GCM1	GCM1	0	1.015591254	0	3.771016899
TALD01	TALD01	16410.9121	22774.63387	13993.72822	
12189.81213					
GRSF1	GRSF1	10182.73083	12895.97774	9097.307268	
10385.38054					
RSP01	RSP01	0	4.464278765	0	
ARHGAP5	ARHGAP5	848.0728309	963.7961001	2508.924666	
2317.289884					
LOC100996437	LOC100996437		16.39919839	14.21827756	
29.46423985	32.05364364				
PLA2G16	PLA2G16	657.1393069	788.0988131	514.2849137	
441.2089772					
FAM50A	FAM50A	3310.295332	3689.643026	2574.995992	
3234.589745					
ZNF24	ZNF24	4213.422615	3205.205998	6682.132456	
6221.235129					
PDCD5	PDCD5	4891.646605	6619.623794	4398.207439	

4256.535325					
HGS	HGS	6522.195473	8184.649916	7324.988598	
6841.567409					
EIF2AK3	EIF2AK3	2595.758831	2263.752905	2915.174034	
2433.248654					
ZNF593	ZNF593	1602.435957	2086.024436	1278.569438	
1494.265446					
USP8	USP8	4173.59599	3751.594092	4420.528833	
4186.771512					
RUFY3	RUFY3	168.6774691	196.009112	564.2848359	
599.5916869					
ZNF14	ZNF14	632.5405093	957.7025526	2961.602533	
2456.81751					
NTHL1	NTHL1	1224.083023	1747.832548	554.4634226	
724.0352446					
GOT2	GOT2	13765.95568	18886.95055	9275.878418	
12203.95344					
NPTX2	NPTX2	0	0	12.25580492	
GLRX5	GLRX5	3992.033436	4449.305284	2872.316958	
3101.661399					
TRIAP1	TRIAP1	3324.351788	4687.969229	3466.958889	
2540.722636					
HSPB9	HSPB9	10.54234182	0	0	0.942754225
MIR6824	MIR6824	56.22582305	25.38978135	8.035701777	
37.71016899					
TMEM39A	TMEM39A	1798.054966	2368.358804	2270.53218	
1949.615737					
DLG5	DLG5	209.6754651	86.32525659	12.49998054	
72.5920753					
UNC5C	UNC5C	3.51411394	3.046773762	5.357134518	0
ANKRD63	ANKRD63	0	5.07795627	0	
TGFBRAP1	TGFBRAP1		3639.450671	3956.743526	
3255.352076		2757.556107			
FAM110B	FAM110B	18.74194102	14.21827756	6.249990271	
40.53843166					
TNFRSF10B	TNFRSF10B		2045.214313	2671.004998	
6800.882271		4103.80914			
GALR2	GALR2	86.6814772	138.1204106	50.89277792	
82.96237177					
MTF1	MTF1	2135.409904	2692.332414	2683.924394	
2364.427596					
GOLT1B	GOLT1B	4047.087888	4194.391879	3015.173878	
4017.075752					
ZNF117	ZNF117	274.1008873	138.1204106	104.4641231	
208.3486837					
MT3	MT3	11.71371313	5.07795627	16.96425931	
47.13771124					
NUP214	NUP214	4930.301858	3803.389246	4245.529106	
4713.771124					
GUCY2C	GUCY2C	1.171371313	0	0	0

SF3A3	SF3A3	10595.05353	13736.8873	10415.16236	
10285.44859					
PRRC2C	PRRC2C	7793.133348	6580.015735	8658.022237	
8566.80764					
FTCD	FTCD	0	1.015591254	18.74997081	0
ZNF783	ZNF783	655.9679355	511.857992	924.1057044	
758.9171509					
TRMT61B	TRMT61B	979.2664181	956.6869613	1387.49784	
1097.365918					
NARFL	NARFL	2708.210477	3136.145793	2513.388945	
2615.200219					
TTC31	TTC31	3384.091725	3393.09038	2758.031421	
2660.452422					
BMS1P6	BMS1P6	7.028227881	3.046773762	13.3928363	
29.22538097					
LRRN1	LRRN1	42.16936728	7.109138778	81.24987353	
31.11088942					
C19orf68	C19orf68		128.8508445	142.1827756	
159.8211798	192.3218618				
LINC01003	LINC01003		262.3871742	173.6661044	
283.0352737	357.3038512				
PATE4	PATE4	2.342742627	1.015591254	0	0
VSTM5	VSTM5	0	0	1.885508449	
LOC102724589	LOC102724589		3.51411394	1.015591254	0
0					
PTAR1	PTAR1	569.2864583	355.4569389	695.5346316	
485.5184257					
RPS3	RPS3	29375.6498	36711.59265	37767.79835	
32961.51596					
ACSBG1	ACSBG1	8.199599194	14.21827756	0	12.25580492
TOR1A	TOR1A	6280.892983	8045.513915	5734.812502	
5328.446878					
MTMR2	MTMR2	4984.184939	5513.644918	2698.210086	
4110.40842					
MMP17	MMP17	7.028227881	4.062365016	0	12.25580492
TOP2A	TOP2A	29595.86761	26353.57745	9922.305983	
17234.48998					
C2orf50	C2orf50	2.342742627	0	0	0.942754225
ACVR2B-AS1	ACVR2B-AS1		2.342742627	1.015591254	0
10.37029647					
HYMAI	HYMAI	21.08468364	30.46773762	24.99996108	
32.05364364					
HIST2H2BF	HIST2H2BF		28.11291152	16.24946006	
11.60712479	5.656525348				
COMMD3-BMI1	COMMD3-BMI1		8741.944112	8651.821893	
7716.952273	8516.841666				
SMLR1	SMLR1	1.171371313	0	0	0
SMIM17	SMIM17	0	1.015591254	0	0.942754225
RPS28	RPS28	6644.01809	4440.164963	5322.313144	
6300.426484					

C19orf84	C19orf84	2.342742627	0	0	0
RPS27	RPS27	14432.46595	11229.3925	29621.38246	
23311.48371					
PINLYP	PINLYP	90.19559114	146.2451406	51.78563368	
49.02321969					
GARS	GARS	14522.66154	19468.88434	17158.90186	
15677.06					
HSPE1-MOB4	HSPE1-MOB4	11078.82988	12251.0773		
11542.83918	11619.44582				
SH3BGRL	SH3BGRL	4004.918521	3604.333361	4450.885929	
5335.988912					
MPZ	MPZ	5.856856567	9.140321286	16.07140355	
12.25580492					
GPC5	GPC5	0	0	16.07140355	13.19855915
SNRNP40	SNRNP40	9314.744685	12730.43637	8251.77287	
8764.786027					
AP4M1	AP4M1	1042.520469	805.3638645	574.999105	
985.1781648					
APEH	APEH	8891.87964	11548.28815	7181.238822	
8248.156712					
HLA-DQA1	HLA-DQA1	1142.087031	380.8467203		
258.9281684	597.7061785				
URGCP-MRPS24	URGCP-MRPS24	3230.642083	3747.531727		
2794.638507	2701.933608				
ZCRB1	ZCRB1	4147.825821	3489.571549	2801.781353	
3498.560928					
AARS2	AARS2	2458.708387	2938.105498	2633.031616	
2531.295093					
ZNF626	ZNF626	248.3307185	394.0494066	820.534437	
644.8438897					
C5orf15	C5orf15	2782.006869	2721.784561	2516.960368	
2247.526072					
RPL26L1	RPL26L1	2191.635727	2801.000679	1358.0336	
1531.032861					
AEBP1	AEBP1	140.5645576	126.9489068	181.2497179	
132.9283457					
XCL1	XCL1	124.1653592	414.3612317	2552.674598	
290.3683012					
CXCL5	CXCL5	0	0	0.892855753	0
MIR6074	MIR6074	0	0	0.942754225	
TMEM192	TMEM192	754.3631259	891.6891211	1786.604362	
1124.70579					
ZNF844	ZNF844	26.94154021	26.40537261	909.8200123	
614.6757545					
C11orf86	C11orf86	0	1.015591254	0	0
MUC12	MUC12	37.48388203	63.98224901	16.07140355	
11.3130507					
PRR12	PRR12	80.82462063	12.18709505	38.39279738	
25.45436407					
PLXNA3	PLXNA3	474.405382	133.0424543	201.7854002	

298.8530892					
NDUFAF7	NDUFAF7	673.5385052	737.3192504	980.3556168	
1045.514435					
PCF11	PCF11	2482.135813	1884.937368	3894.636795	
3246.84555					
TERF1	TERF1	1573.151674	1574.166444	1158.033912	
1328.340703					
CD81	CD81	3660.535355	6815.632906	4541.06436	
1704.499638					
AMOTL2	AMOTL2	0	0	29.46423985	5.656525348
FRMD1	FRMD1	0	0	24.99996108	0
WDR59	WDR59	2052.242541	1007.466524	1240.176641	
1661.132944					
RBM7	RBM7	2264.260749	2155.084641	2760.709988	
2635.940812					
TAF1D	TAF1D	853.9296875	746.4595717	1115.176836	
950.2962585					
DDX28	DDX28	2468.079357	3462.150585	2990.173917	
2680.250261					
FBXL8	FBXL8	394.7521326	461.0784293	190.1782754	
312.9944026					
UBL5	UBL5	8586.151728	8055.669827	6022.312054	
5534.910053					
AP00	AP00	834.0163752	799.2703169	708.0346122	
777.7722354					
C1orf146	C1orf146		2.342742627	1.015591254	
5.357134518					
C4orf36	C4orf36	0	2.031182508	30.3570956	18.85508449
SEC16A	SEC16A	7561.201828	3410.355431	3410.708977	
3846.437237					
GPRC5D	GPRC5D	2.342742627	7.109138778	8.92855753	
12.25580492					
ARNT2	ARNT2	1.171371313	0	0	0
NANOS2	NANOS2	0	1.015591254	0	0
IRF4	IRF4	15264.13959	13937.97437	9719.627727	
11594.93421					
RNF187	RNF187	6533.909186	6992.345784	6550.88266	
6472.007753					
PLA2G1B	PLA2G1B	5.856856567	0	8.92855753	3.771016899
GRM6	GRM6	2.342742627	0	0	0
KBTBD6	KBTBD6	544.6876608	494.5929407	944.6413867	
663.6989742					
MST1R	MST1R	72.62502143	89.37203036	88.39271955	
175.3522858					
CATSPER3	CATSPER3		29.28428284	40.62365016	
24.10710533					
KIAA1614	KIAA1614		14.05645576	0	1.785711506
6.599279573					
PHF13	PHF13	1511.068994	1034.887488	1434.819195	
1053.056469					

YPEL2	YPEL2	1204.16971	937.3907275	1217.855247	
1188.813077					
PLK5	PLK5	0	0	0.942754225	
PDGFA	PDGFA	16.39919839	9.140321286	1.785711506	
24.51160984					
HSPG2	HSPG2	5.856856567	2.031182508	32.14280711	
32.05364364					
MGARP	MGARP	9.370970508	4.062365016	24.99996108	
6.599279573					
WASH3P	WASH3P	202.6472372	172.6505132	258.0353126	
207.4059294					
YBX1	YBX1	6990.743999	3335.201678	2567.853146	
3135.600551					
RAB40B	RAB40B	112.4516461	161.4790094	199.9996887	
303.5668604					
MOB1B	MOB1B	509.5465214	268.1160911	180.3568621	
374.2734272					
CIA01	CIA01	6189.52602	7757.085998	7872.309174	
7556.175111					
RAB33A	RAB33A	1507.55488	2220.082481	975.8913381	
961.6093092					
PALD1	PALD1	14.05645576	68.04461402	36.60708587	
61.27902461					
COQ4	COQ4	1624.692012	2147.975502	1622.318903	
1463.154557					
NDC80	NDC80	7287.100941	6745.557109	2995.531051	
4450.742695					
C22orf15	C22orf15		73.79639275	33.51451138	
20.53568232	42.42394011				
TRAF3IP3	TRAF3IP3		22060.43595	28385.77555	
13238.37225	15245.27857				
LGI4	LGI4	4.685485254	13.2026863	29.46423985	0
OLIG3	OLIG3	28.11291152	42.65483267	104.4641231	
45.25220279					
SLC9C1	SLC9C1	0	2.031182508	13.3928363	0
RPL8	RPL8	27330.43549	35087.66224	30370.48844	
27725.45899					
OR1F2P	OR1F2P	4.685485254	0	42.85707615	11.3130507
NUPL2	NUPL2	1656.319037	1728.536314	1576.78326	
1651.705402					
MYCBP2	MYCBP2	3033.851702	1741.739001	3821.422623	
4129.263504					
TEX2	TEX2	1507.55488	1715.333628	2080.353905	
1600.796674					
CCDC37	CCDC37	0	0	16.07140355	4.713771124
C16orf71	C16orf71			9.370970508	15.23386881
61.60704696	18.85508449				
CTU2	CTU2	1254.538677	2041.338421	1497.319098	
1212.381933					
TPST2	TPST2	4977.156711	3954.712343	1848.211409	

2519.039288						
MXRA7	MXRA7	674.7098766	569.7466935	624.9990271		
567.5380433						
RASGRP1	RASGRP1	12848.77194	11739.21931	9191.057122		
9879.121521						
BEND5	BEND5	153.4496421	105.6214904	60.71419121		
87.6761429						
OR2M7	OR2M7	0	11.60712479	0		
CAMLG	CAMLG	969.8954475	1321.284222	1974.10407		
1418.845108						
CSTB	CSTB	5865.056166	7276.711335	4618.74281		
4440.372398						
S1PR3	S1PR3	33.96976809	10.15591254	62.49990271		
59.39351616						
FEM1C	FEM1C	1138.572917	778.9584919	1633.926028		
1525.376336						
LXN	LXN	1064.776524	980.0455602	450.8921553		
868.276641						
CCL20	CCL20	292.8428284	117.8085855	1208.92669		
1051.170961						
COL5A3	COL5A3	108.9375322	3.046773762	3.571423012		
57.50800771						
LOC102467079	LOC102467079		2.342742627	0	0	0
LOC100506258	LOC100506258		18.74194102	3.046773762		0
	6.599279573					
DGKQ	DGKQ	2354.45634	1882.906185	2033.03255		
2217.357937						
LNP1	LNP1	94.88107639	184.8376082	149.1069108		
98.9891936						
CHADL	CHADL	312.7561407	514.9047658	362.4994357		
306.395123						
SPEF1	SPEF1	1.171371313	1.015591254	3.571423012		
1.885508449						
SPIN1	SPIN1	2766.779042	2740.065203	2499.996108		
2259.781877						
SUB1	SUB1	19448.27792	17950.57542	11649.98187		
13713.30295						
ZBTB5	ZBTB5	409.9799597	281.3187774	347.3208879		
296.9675808						
KCNK1	KCNK1	213.1895791	219.3677109	35.71423012		
54.67974503						
AMY2A	AMY2A	0	0	0.942754225		
FBXW4	FBXW4	302.2137989	244.7574922	559.8205572		
494.945968						
ATG16L2	ATG16L2	1249.853191	935.359545	1087.498307		
1198.24062						
MICALL1	MICALL1	804.7320923	392.0182241	568.7491147		
555.2822384						
WNK3	WNK3	0	5.07795627	38.39279738		3.771016899
ARL13A	ARL13A	3.51411394	0	24.99996108		8.484788022

MTRNR2L1	MTRNR2L1	1.171371313	42.65483267	
116.0712479	0.942754225			
CNTRL CNTRL	6022.019922	5108.424008	3671.422856	
5249.255523				
SRP14 SRP14	20945.29046	23752.64825	19993.71888	
19672.45241				
ACSM1 ACSM1	0 0	17.85711506	13.19855915	
NPM3 NPM3	222.5605496	105.6214904	65.17846997	
151.7834302				
FLJ33360	FLJ33360	0 0	9.821413283	0
PARD6G-AS1	PARD6G-AS1	0 5.07795627	0	0
LEFTY1 LEFTY1	1.171371313	0 13.3928363	1.885508449	
HEBP1 HEBP1	356.0968793	290.4590987	448.213588	
563.7670264				
USP12-AS1	USP12-AS1	1.171371313	2.031182508	0
0				
C4orf22 C4orf22	0 0	2.678567259	1.885508449	
SNTB2 SNTB2	1407.988319	1114.103606	966.9627805	
1264.233415				
PTTG1 PTTG1	7779.076893	8911.813254	2491.067551	
3235.532499				
MIA MIA	3.51411394	1.015591254	2.678567259	
4.713771124				
NBPF4 NBPF4	0 0	4.464278765	0.942754225	
C11orf65	C11orf65	22.25605496	17.26505132	
32.14280711	37.71016899			
NIFK NIFK	3374.720754	4012.601045	4371.421767	
4361.181044				
FAXDC2 FAXDC2	24.59879758	16.24946006	48.21421066	
18.85508449				
C9orf170	C9orf170	1.171371313	0 0	
3.771016899				
NLGN2 NLGN2	2.342742627	0 1.785711506	6.599279573	
LRRC7 LRRC7	0 0	5.357134518	0	
DCAF15 DCAF15	968.7240762	447.875743	429.4636172	
456.2930448				
SAMD1 SAMD1	189.7621528	209.2117983	116.9641036	
180.0660569				
THAP3 THAP3	2469.250729	3055.914083	2432.139071	
2353.114545				
REEP4 REEP4	2864.002861	3680.502705	1674.104537	
2074.059294				
PNPLA3 PNPLA3	2.342742627	0 0	0	
C16orf70	C16orf70	1998.359461	2192.661517	
2049.103953	1706.385147			
SH3BP5L SH3BP5L	1272.109246	871.377296	794.6416202	
746.661346				
PSKH1 PSKH1	2557.103577	2569.445873	2219.639402	
2234.327513				
POMZP3 POMZP3	282.3004865	127.964498	255.3567454	

271.5132167					
BTNL3	BTNL3	1.171371313	10.15591254	0	20.74059294
SDK1	SDK1	4.685485254	0	0	14.14131337
POLR2J2	POLR2J2	744.9921554	898.7982598		1108.03399
884.3034628					
ANKRD23	ANKRD23	283.4718579	148.2763231		171.4283046
156.4972013					
HNRNPAB	HNRNPAB	14493.37726	12099.7542		9742.841977
9902.690376					
IFT27	IFT27	730.9356996	652.0095851		340.1780419
437.4379603					
VIM	VIM	29620.4664	36535.89536		16569.61706
16613.21495					
PLN	PLN	3.51411394	8.124730032		11.60712479
0.942754225					
ZBED8	ZBED8	77.31050669	95.46557788		74.99988325
107.4739816					
MRPS7	MRPS7	7459.292524	10425.04422		6977.66771
6971.667492					
MRPS17	MRPS17	1012.064815	1109.025649		853.5700999
1020.060071					
BRAP	BRAP	3511.771198	4306.106917		4420.528833
3650.344358					
PRR13	PRR13	11051.88834	15039.89088		11940.15999
11372.44421					
MEX3C	MEX3C	1737.143658	1560.963757		1557.140433
2420.050095					
TNNC1	TNNC1	7.028227881	9.140321286		16.07140355
22.62610139					
CETP	CETP	22.25605496	29.45214637		147.3211993
76.3630922					
ERCC6L2	ERCC6L2	1652.804923	1754.941687		3229.459259
2601.058906					
NOM03	NOM03	609.113083	527.0918609		398.2136659
521.3430863					
MIR6859-1	MIR6859-1		11.71371313		1.015591254
8.92855753	8.484788022				
MIR6864	MIR6864	3.51411394	0	4.464278765	10.37029647
KIDINS220	KIDINS220		4785.051815		3750.578501
4721.421222	4496.937652				
HEG1	HEG1	1595.407729	459.0472468		1087.498307
1532.918369					
C6orf58	C6orf58	2.342742627	0	0	0.942754225
PHOSPH02-KLHL23	PHOSPH02-KLHL23		452.149327		187.884382
332.1423401	313.9371568				
HK3	HK3	148.7641568	152.3386881	0	12.25580492
PPP1R14D	PPP1R14D		0	0	5.656525348
PWP1	PWP1	4450.03962	5934.099697		4154.457819
4211.283122					
CFH	CFH	152.2782708	56.87311023		306.2495233

511.915544					
PROSC PROSC	6121.586484	8593.933192	8086.594555		
6806.685502					
PRPF3 PRPF3	3762.444659	4469.617109	5865.169442		
4987.169849					
STX11 STX11	4107.999196	5180.530987	3081.245204		
3361.861565					
TBC1D12 TBC1D12	38.65525334	27.42096386	29.46423985		
25.45436407					
CRACR2A CRACR2A	1251.024563	964.8116913	741.070275		
696.6953721					
GVINP1 GVINP1	1896.450156	969.8896476	3781.244114		
2989.473647					
SNORD78 SNORD78	22.25605496	17.26505132	45.5356434		
35.82466054					
SNORD77 SNORD77	8.199599194	8.124730032	19.64282657		
11.3130507					
SNORD76 SNORD76	37.48388203	36.56128515	108.9284019		
66.93554995					
SNORD75 SNORD75	7.028227881	3.046773762	8.035701777		
6.599279573					
SNORD80 SNORD80	117.1371313	90.38762161	223.2139383		
192.3218618					
SNORD79 SNORD79	46.85485254	28.43655511	86.60700804		
63.16453306					
NBEAL2 NBEAL2	4602.317891	1246.130469	523.2134713		
1234.06528					
LOC101929567	LOC101929567	1.171371313	0	0	
2.828262674					
LOC101929532	LOC101929532	0	1.015591254	0	0
LINC01237	LINC01237	8.199599194	4.062365016		
6.249990271	4.713771124				
STAT4 STAT4	4797.9369	8724.944464	8650.879391		
7457.185917					
NCKAP1L NCKAP1L	17085.62198	8925.015941	5199.991906		
6618.134658					
RARS RARS	6145.01391	6976.096324	5520.527121		
5984.603818					
SPEN SPEN	4845.963124	4697.10955	6952.667749		
6403.186694					
USP31 USP31	338.5263096	382.8779028	324.9994941		
315.8226653					
SPATA19 SPATA19	0	0	0	1.885508449	
DUSP7 DUSP7	520.0888632	393.0338153	240.1781976		
345.0480462					
SGCB SGCB	2081.526824	2152.037867	998.2127319		
1254.805873					
MN1 MN1	2.342742627	6.093547524	0	1.885508449	
DSTN DSTN	4817.850212	4322.356377	3325.88768		
4070.812742					

PCCA	PCCA	406.4658458	482.4058457	285.713841	
438.3807145					
KLHL26	KLHL26	513.0606353	575.840241	632.1418731	
602.4199496					
NAP1L5	NAP1L5	264.7299168	297.5682374	174.9997276	
230.9747851					
PRR7-AS1	PRR7-AS1		10.54234182	6.093547524	
7.142846024	9.427542247				
ARIH2	ARIH2	8593.179956	10684.01999	9000.878846	
8566.80764					
ZNF516	ZNF516	90.19559114	75.1537528	583.0348067	
305.4523688					
PDCD6IP	PDCD6IP	8910.621581	9505.934138	9754.449102	
9098.521023					
EFCC1	EFCC1	5.856856567	1.015591254	8.92855753	
11.3130507					
CNTNAP2	CNTNAP2	2.342742627	0	3.571423012	0
ARF3	ARF3	4707.741309	2653.739947	1430.354916	
1523.490827					
CDC14A	CDC14A	1957.361465	2009.855092	3486.601716	
2700.990854					
CLDN5	CLDN5	4.685485254	107.6526729	11.60712479	
16.96957604					
EDEM3	EDEM3	3562.140164	2239.378715	1989.282618	
2414.393569					
EPB41L4B	EPB41L4B		42.16936728	29.45214637	
14.28569205	31.11088942				
ADCK5	ADCK5	766.076839	762.7090318	585.713374	
669.3554995					
TAB2	TAB2	5478.503633	4069.474155	2503.567531	
3648.45885					
KLB	KLB	30.45565415	11.17150379	10.71426904	0
MIR194-2	MIR194-2		0	1.785711506	0
MIR762	MIR762	256.5303176	446.8601518	251.7853224	
235.6885562					
MIR1296	MIR1296	5.856856567	4.062365016	0.892855753	
5.656525348					
MIR320C1	MIR320C1		2.342742627	1.015591254	
4.464278765	1.885508449				
C3orf49	C3orf49	3.51411394	6.093547524	7.142846024	0
MIR186	MIR186	0	2.031182508	3.571423012	6.599279573
LINC00467	LINC00467		192.1048954	182.8064257	
104.4641231	152.7261844				
XPA	XPA	725.078843	685.5240965	937.4985407	
904.1013015					
C1QTNF9B-AS1	C1QTNF9B-AS1		44.51210991	36.56128515	
26.78567259	37.71016899				
KLHL23	KLHL23	399.4376179	136.089228	224.106794	
246.0588527					
B3GALT2	B3GALT2	244.8166045	73.12257029	52.67848943	

473.2626208					
LSM14A	LSM14A	11089.37222	9681.631425	11039.26853	
10151.57749					
FTO	FTO	3043.222672	3255.98556	3059.816666	
3038.496866					
TBC1D3P1-DHX40P1	TBC1D3P1-DHX40P1			3.51411394	
3.046773762	7.142846024		1.885508449		
GRAMD2	GRAMD2	0	0	40.17850889	0
TM4SF1	TM4SF1	0	10.15591254	25.89281684	0
ST8SIA2	ST8SIA2	3.51411394	12.18709505	0	0
EIF3A	EIF3A	18384.67276	21126.32927	15202.65491	
15948.57322					
RIPK1	RIPK1	3242.355796	2919.824855	4211.600587	
3434.453641					
RAB11FIP5	RAB11FIP5		428.7219007	417.4080054	
779.4630724	892.7882508				
CAMSAP1	CAMSAP1	960.524477	407.2520929	395.5350986	
592.9924073					
MBTPS1	MBTPS1	6237.552244	6948.67536	8010.701816	
6916.987747					
RHOB	RHOB	72.62502143	53.82633646	70.53560449	
28.28262674					
CALM1	CALM1	42267.76247	50140.7558	28224.06321	
32249.73652					
TAT	TAT	0	3.046773762	9.821413283	3.771016899
FABP2	FABP2	1.171371313	0	0	0
CRIPT	CRIPT	1454.843171	1179.101446	1249.998054	
1317.970406					
ABCB11	ABCB11	0	0	0	0.942754225
DMP1	DMP1	0	0	0.892855753	0
ITPRIPL2	ITPRIPL2		433.407386	395.0649978	
241.0710533	281.8835132				
LOC102723385	LOC102723385		50.36896648	67.02902277	
58.03562395	56.56525348				
MIR1277	MIR1277	1.171371313	0	0	2.828262674
MIR548H4	MIR548H4		1.171371313	0	2.678567259
	0.942754225				
THUMPD2	THUMPD2	629.0263953	600.2144311	437.499319	
526.9996116					
REEP2	REEP2	148.7641568	97.49676039	24.10710533	
82.96237177					
FAM212B-AS1	FAM212B-AS1		4.685485254	2.031182508	
5.357134518	0				
RRS1-AS1	RRS1-AS1		12.88508445	6.093547524	
5.357134518	11.3130507				
ISPD-AS1	ISPD-AS1		0	1.015591254	0.892855753
0					
FLJ33534	FLJ33534		1.171371313	0	0
6.599279573					
ADD3-AS1	ADD3-AS1		339.6976809	284.3655511	

309.8209463	323.3646991				
LOC100128531	LOC100128531	2.342742627		1.015591254	
0.892855753	0				
SH3PXD2A-AS1	SH3PXD2A-AS1	56.22582305		100.5435342	
5.357134518	11.3130507				
LOC100507424	LOC100507424	1649.290809		1310.112718	
463.3921358	822.081684				
LINC00838	LINC00838	0	0	6.249990271	0
LOC283214	LOC283214	1.171371313		0	0
LOC100131289	LOC100131289	76.13913537		67.02902277	
80.35701777	65.99279573				
LOC728175	LOC728175	9.370970508		5.07795627	0
	0.942754225				
LOC399715	LOC399715	7.028227881		10.15591254	
46.42849916	60.33627038				
OR51B5	OR51B5	0	0	6.249990271	0
LOC100130992	LOC100130992	125.3367305		77.18493531	
221.4282268	318.650928				
LOC100506123	LOC100506123	12.88508445		22.34300759	0
	2.828262674				
LOC152578	LOC152578	1.171371313		0	1.785711506
	1.885508449				
LINC00862	LINC00862	0	8.124730032	0	0
UNC13C	UNC13C	0	29.45214637	4.464278765	0
NACC2	NACC2	119.479874		93.43439537	211.6068135
267.7421998					
AKAP11	AKAP11	1542.69602		2453.66847	1195.533853
1131.30507					
IMPG2	IMPG2	1.171371313		2.031182508	0
ZNF208	ZNF208	2.342742627		8.124730032	13.19855915
97.10368515					84.82129654
ZNF184	ZNF184	1279.137474		1575.182035	2165.175201
2092.914379					
AARS	AARS	14911.55682		17682.45932	29554.41828
21985.97127					
DMGDH	DMGDH	1.171371313		0	64.28561422
ZSCAN5A	ZSCAN5A	250.6734611		368.6596252	22.62610139
269.6277083					354.463734
OXT	OXT	21.08468364		30.46773762	27.67852834
55.62249926					
OPRK1	OPRK1	0	1.015591254	0	0
RPS15	RPS15	13921.74806		16396.7208	16475.86721
13798.15083					
OXT	OXT	10.54234182		34.53010264	0
PIK3R3	PIK3R3	579.8288002		459.0472468	24.51160984
258.3146576					230.3567843
THOC6	THOC6	4056.458859		4663.595039	2888.388361
2888.598945					
SNORA51	SNORA51	58.56856567		57.88870148	159.8211798
98.9891936					

RIPK3	RIPK3	1311.935871	1250.192834	1053.569789	
1006.861512					
UFL1	UFL1	2777.321384	2442.496966	3182.137904	
3251.559321					
CREB1	CREB1	4910.388546	4636.174075	4557.135763	
5270.93887					
OSCP1	OSCP1	55.05445173	48.74838019	47.32135491	
39.59567744					
FGD5P1	FGD5P1	0	0	11.60712479	0
BCAS3	BCAS3	1211.197938	906.9229899	986.6056071	
1171.843501					
LOC285740	LOC285740		105.4234182	67.02902277	
82.14272928	78.24860065				
CNTF	CNTF	36.31251072	31.48332888	66.07132572	
43.36669434					
NUPR1L	NUPR1L	0	0	10.71426904	0
SUPT20HL1	SUPT20HL1		0	1.015591254	0
HS3ST3B1	HS3ST3B1		1434.929859	1286.754119	0
175.8925833	462.8923243				
EPHA3	EPHA3	0	0	0.892855753	0
ASCL2	ASCL2	14.05645576	14.21827756	9.821413283	
30.16813519					
GZMA	GZMA	6891.177437	3853.153218	1478.569127	
3562.668215					
KIAA0355	KIAA0355		486.1190951	333.1139313	
1160.712479	853.1925734				
SPATA6	SPATA6	5.856856567	4.062365016	66.96418148	
51.85148236					
LPIN2	LPIN2	4863.533693	2709.597466	9981.234463	
9583.096694					
MEDAG	MEDAG	1.171371313	0	0.892855753	0
SPC25	SPC25	1971.417921	2529.837814	1158.033912	
1635.67858					
TMEM194B	TMEM194B		2231.462352	978.0143777	
814.2844468	1530.090107				
TMEM194A	TMEM194A		4284.876265	2967.557644	
4794.635394	4976.799552				
ABI3	ABI3	6591.306381	8819.39445	2549.103175	
3712.566137					
CCDC102B	CCDC102B		28.11291152	29.45214637	
65.17846997	73.53482953				
MGLL	MGLL	77.31050669	102.5747167	85.71415229	
162.1537267					
EBF4	EBF4	0	0	14.28569205	16.96957604
MTMR11	MTMR11	210.8468364	542.3257297	39.28565313	
99.93194782					
CBR3	CBR3	1849.595304	2737.01843	1610.711778	
1478.238624					
ZDHHC5	ZDHHC5	8589.665842	10086.85234	8833.91482	
8166.137094					

HEYL	HEYL	0	2.031182508	24.99996108	3.771016899	
CRACR2B	CRACR2B	73.79639275	95.46557788	5.357134518		
18.85508449						
TMEM59L	TMEM59L	0	2.031182508	0	10.37029647	
STAP1	STAP1	1996.016718	1957.044347	576.7848165		
732.5200326						
STK32B	STK32B	7.028227881	1.015591254	0	0	
CFL1P1	CFL1P1	10.54234182	14.21827756	57.14276819		
44.30944856						
LOC100132891	LOC100132891	496.6614369		111.7150379		
167.8568816	443.0944856					
CAPN11	CAPN11	0	18.28064257	0	0	
CWC15	CWC15	2999.881934	3956.743526	3626.780069		
3315.666608						
NDUFA4L2	NDUFA4L2	29.28428284		26.40537261		
116.9641036	80.1341091					
SPDYE5	SPDYE5	31.62702546	10.15591254	44.64278765		
47.13771124						
DCDC2B	DCDC2B	83.16736326	50.7795627	102.6784116		
126.3290661						
RGPD6	RGPD6	1.171371313	2.031182508	8.92855753		
5.656525348						
LINC00925	LINC00925	1.171371313		6.093547524		
100.8927001	140.4703795					
C10orf76	C10orf76	2883.916174		2568.430281		
2436.60335	1942.073703					
ZNF426	ZNF426	1030.806756	1080.589094	1757.140122		
1211.439179						
KLHL12	KLHL12	4902.188947	4852.495012	4205.350597		
5116.327178						
ZNF350	ZNF350	732.1070709	828.7224633	2529.460348		
1771.435188						
LOC101928891	LOC101928891	2.342742627		1.015591254	0	
0.942754225						
ZMYND10	ZMYND10	63.25405093	77.18493531	29.46423985		
35.82466054						
ATAD2B	ATAD2B	1427.901631	998.3262027	1358.0336		
1579.113326						
COQ3	COQ3	1267.423761	1588.384721	569.6419704		
793.7990572						
PLEKHG2	PLEKHG2	1095.232178	541.3101384	219.6425152		
469.4916039						
AG01	AG01	2472.764843	1353.783142	1061.60549		
1356.623329						
GABARAPL1	GABARAPL1	800.0466071		1177.070263		
3003.566753	1465.040065					
C16orf52	C16orf52	142.9073002		24.3741901		
35.71423012	92.38991402					
GDE1	GDE1	5018.154707	5028.192299	2418.746235		
2356.885562						

AHSP	AHSP	0	1.015591254	0	0
CCDC39	CCDC39	4.685485254	4.062365016	18.74997081	
16.96957604					
MLLT4	MLLT4	491.9759517	811.457412	365.178003	
378.9871983					
FAM19A1	FAM19A1	19.91331233	13.2026863	8.035701777	
18.85508449					
SFXN1	SFXN1	13717.92945	14529.04848	9092.842989	
11732.57633					
F11R	F11R	648.9397077	1146.602526	2765.174267	
1462.211803					
C11orf1	C11orf1	590.371142	550.4504597	774.1059379	
734.4055411					
C20orf195	C20orf195	0	6.093547524	6.249990271	
5.656525348					
PFKP	PFKP	13288.03618	16298.20845	6488.382757	
9638.719193					
COX17	COX17	3866.696706	3472.306498	2893.745496	
3223.276694					
HOXA11	HOXA11	0	0	6.599279573	
HOXA1	HOXA1	31.62702546	24.3741901	7.142846024	
28.28262674					
HMGB1	HMGB1	40228.40502	41168.00707	25676.74575	
30230.35697					
CCAR1	CCAR1	9249.147891	10732.76837	6537.489824	
8809.095476					
SCARNA18	SCARNA18	2.342742627	3.046773762		
6.249990271	2.828262674				
GBP1P1	GBP1P1	22.25605496	34.53010264	970.5342035	
1007.804266					
SCARNA1	SCARNA1	21.08468364	17.26505132	23.21424958	
24.51160984					
SNORA36B	SNORA36B	1.171371313	0	0	0
SNORA81	SNORA81	81.99599194	53.82633646	127.6783727	
152.7261844					
SNORD50A	SNORD50A	9.370970508	11.17150379		
33.03566286	37.71016899				
SNORA76A	SNORA76A	3.51411394	4.062365016		
4.464278765	9.427542247				
SNORA55	SNORA55	0	2.031182508	2.678567259	9.427542247
SNORA60	SNORA60	4.685485254	5.07795627	23.21424958	
20.74059294					
SNORA74B	SNORA74B	4.685485254	3.046773762		
8.92855753	5.656525348				
SNORA61	SNORA61	44.51210991	28.43655511	62.49990271	
55.62249926					
SNORD56	SNORD56	31.62702546	19.29623383	58.03562395	
30.16813519					
SNORD57	SNORD57	40.99799597	40.62365016	103.5712674	
60.33627038					

SNORA46	SNORA46	1.171371313	2.031182508	0	0
SNORA45B	SNORA45B		23.42742627	23.35859884	
39.28565313	18.85508449				
SNORD61	SNORD61	7.028227881	0	8.035701777	11.3130507
SNORA44	SNORA44	22.25605496	14.21827756	44.64278765	
56.56525348					
PIF1	PIF1	1664.518636	1167.929942	215.1782365	
502.4880018					
FAM188A	FAM188A	848.0728309	1208.553592	773.2130821	
704.2374059					
MEIG1	MEIG1	59.73993699	43.67042392	31.24995136	
10.37029647					
NMRAL1	NMRAL1	1976.103406	2495.307711	1642.854586	
1785.576502					
UPB1	UPB1	0	0	18.85508449	
RRP8	RRP8	1526.296821	2194.6927	2125.889548	
1865.710611					
CLK4	CLK4	1125.687832	860.2057922	3303.566286	
2194.731835					
NCK2	NCK2	3336.065501	6273.307176	7049.09617	
6654.902072					
MFSD2B	MFSD2B	1.171371313	0	0.892855753	1.885508449
IGFBPL1	IGFBPL1	4.685485254	0	0	0
B4GALT7	B4GALT7	733.2784422	1108.010058	1624.104615	
1206.725408					
C22orf29	C22orf29		1259.224162	1322.299813	
1592.854663	1415.074091				
SH3RF1	SH3RF1	49.19759517	57.88870148	3.571423012	
22.62610139					
GLIS2	GLIS2	2.342742627	0	4.464278765	0.942754225
ZSCAN25	ZSCAN25	2019.444144	1861.578769	2283.925016	
2087.257854					
IRGM	IRGM	12.88508445	20.31182508	363.3922915	
44.30944856					
ITGB7	ITGB7	24180.61802	34260.97096	11498.19639	
11918.29891					
ADIPOR1	ADIPOR1	11092.88634	15526.35909	12698.19452	
11157.49625					
RFT1	RFT1	3370.035269	4538.677314	2422.317658	
2866.915597					
CREB3L1	CREB3L1	2.342742627	13.2026863	3.571423012	
0.942754225					
RPUSD3	RPUSD3	3672.249068	5239.43528	3185.709327	
3131.829535					
C9orf152	C9orf152		0	1.015591254	0
PAPLN	PAPLN	25.7701689	21.32741634	51.78563368	0
48.08046546					
SSX7	SSX7	0	0	0.942754225	
IL12A	IL12A	248.3307185	179.759652	22.32139383	
22.62610139					

PSMB3	PSMB3	17962.97909	25514.69908	16257.11755	
13389.93825					
PSMC3	PSMC3	15997.41803	21129.37604	10605.34063	
11660.92701					
SMIM12	SMIM12	4387.95694	5528.878787	4323.207556	
4029.331556					
CALM2	CALM2	34714.76025	41540.72906	37176.72784	
38656.69423					
ZNF575	ZNF575	111.2802748	93.43439537	77.67845051	
141.4131337					
MCMDC2	MCMDC2	573.9719436	370.6908077	2181.246605	
1333.997228					
SEMA3G	SEMA3G	101.9093043	35.54569389	0	7.542033798
ESYT3	ESYT3	10.54234182	0	0	11.3130507
C10orf25	C10orf25		67.93953618	77.18493531	
127.6783727		125.3863119			
ENDOG	ENDOG	2354.45634	3323.014583	2420.531946	
2429.477637					
GRAP	GRAP	1704.345261	2487.182981	3471.423168	
2304.091325					
FXR1	FXR1	3396.976809	3546.444659	3215.173567	
3359.033303					
FBX016	FBX016	15.22782708	13.2026863	1.785711506	0
TSKU	TSKU	3.51411394	6.093547524	10.71426904	
21.68334717					
SNORD58A	SNORD58A		2.342742627	8.124730032	
60.71419121		12.25580492			
CYS1	CYS1	491.9759517	221.3988934	16.07140355	
197.9783872					
TEX30	TEX30	4266.134324	4357.902071	2687.495817	
2667.051702					
LRRC1	LRRC1	234.2742627	274.2096386	162.4997471	
208.3486837					
LY6G5B	LY6G5B	1.171371313	2.031182508	2.678567259	
5.656525348					
OVOL2	OVOL2	1.171371313	0	0	0
ABHD17C	ABHD17C	271.7581447	149.2919143	292.856687	
344.105292					
UBQLN4	UBQLN4	1363.476209	699.742374	1077.676894	
994.6057071					
ATHL1	ATHL1	1202.998339	700.7579653	1328.569361	
1393.390744					
KIAA0196	KIAA0196		7048.141193	7367.098957	
3968.743822		5024.880018			
RNMT	RNMT	1504.040766	1111.056832	1674.997393	
1888.336712					
CCNE2	CCNE2	5047.43899	5793.948104	1868.747091	
2068.402769					
LRGUK	LRGUK	0	1.015591254	0.892855753	1.885508449
OSM	OSM	2789.035097	9663.350782	1335.712207	

893.731005					
LINC00563	LINC00563		4.685485254	0	59.82133545
	7.542033798				
C1orf213	C1orf213		49.19759517		48.74838019
140.1783532	83.905126				
LINC00272	LINC00272		0	0	0.892855753
MIR339	MIR339	0	0		0
LINC01252	LINC01252		6.249990271		1.885508449
9.821413283	8.484788022		10.54234182		7.109138778
LYSMD3	LYSMD3	2315.801087			1832.126622
2104.22743					2501.78182
LMOD3	LMOD3	7.028227881			2.031182508
5.656525348					2.678567259
COL19A1	COL19A1	0	4.062365016	1.785711506	0
GEMIN4	GEMIN4	4257.934724			5115.533147
4205.626596					4464.278765
ZNF891	ZNF891	153.4496421			107.6526729
153.6689386					374.9994163
CLOCK	CLOCK	578.6574288			520.9983133
634.4735932					825.8915716
XCR1	XCR1	3.51411394			1.015591254
9.427542247					1.785711506
RSG1	RSG1	142.9073002			129.9956805
80.1341091					146.4283435
UFSP1	UFSP1	40.99799597			49.76397145
75.42033798					91.96414256
OR4K5	OR4K5	0	0		8.035701777
BTD	BTD	863.300658			1054.183722
785.3142692					927.6771274
CDC37L1	CDC37L1	729.7643283			683.492914
1296.287059					1737.497295
METTL25	METTL25	514.2320066			513.8891745
567.5380433					557.1419899
TDRD12	TDRD12	2.342742627			10.15591254
NSMAF	NSMAF	5410.564097			5668.014789
5539.623824					4435.707381
LGALS3BP	LGALS3BP				4150.168564
12798.19436	7960.616673				9114.931505
LOC100507431	LOC100507431		0	0	1.785711506
0.942754225					
MPP6	MPP6	374.8388203			534.2009996
372.3879188					489.2849527
TSC22D4	TSC22D4	2051.07117			1233.943374
1111.507231					1108.926845
LOC101927415	LOC101927415				31.62702546
41.07136464	71.64932108				2.031182508
DUPD1	DUPD1	2.342742627			8.124730032
10.37029647					4.464278765
C4orf47	C4orf47	0	0		1.885508449
OIP5	OIP5	2092.069166			2131.726042
					680.3560838

1019.117317					
ATP6V0A2	ATP6V0A2		5039.239391		5076.940679
4628.564224	4799.561758				
CKMT1A	CKMT1A	0	1.015591254	0	0
FAM168B	FAM168B	5827.572284	4212.672522		5674.098311
4666.633412					
FLG2	FLG2	0	0	0.892855753	0
LRR4B	LRR4B	1.171371313	2.031182508		0
ZSCAN5B	ZSCAN5B	1.171371313	5.07795627		4.464278765
0.942754225					
FAM132A	FAM132A	2.342742627	0	0	2.828262674
KIF4B	KIF4B	7.028227881	5.07795627		1.785711506
0.942754225					
RPS6KL1	RPS6KL1	125.3367305	116.7929942		101.7855558
42.42394011					
CTF1	CTF1	17.5705697	13.2026863		33.92851862
12.25580492					
CREBL2	CREBL2	3263.440479	2589.757698		3081.245204
3582.466054					
CPN1	CPN1	0	0	3.571423012	0
HSD17B6	HSD17B6	113.6230174	106.6370817		64.28561422
93.33266825					
HSPH1	HSPH1	14116.1957	16899.43847		17924.9721
16380.35465					
FBP2	FBP2	0	1.015591254	0	0.942754225
MAP1LC3B2	MAP1LC3B2		59.73993699		39.60805891
36.60708587	48.08046546				
MT1A	MT1A	4.685485254	6.093547524		0
AQP6	AQP6	12.88508445	13.2026863		5.656525348
13.19855915					
CKAP2L	CKAP2L	2954.198453	2671.004998		1133.926806
1938.302686					
ENTHD1	ENTHD1	8.199599194	21.32741634		19.64282657
15.0840676					
PXMP2	PXMP2	1219.397537	1543.698706		525.8920385
610.9047376					
UBXN4	UBXN4	9204.635781	9273.363741		8713.379294
10700.26045					
TRABD	TRABD	7435.865098	7884.034905		4062.493676
4594.041337					
OSMR	OSMR	0	0	9.821413283	0
PISD	PISD	2353.284969	2531.868996		3143.745106
3127.115763					
TMEM50A	TMEM50A	13148.64299	16775.53633		12599.08753
11816.48145					
ATG2B	ATG2B	1673.889607	936.3751362		1330.355072
1442.413964					
LOC79999	LOC79999		1.171371313		0
					2.678567259
CDKL4	CDKL4	21.08468364	45.70160643		8.035701777

16.02682182				
KDM4D	KDM4D	121.8226166	196.009112	215.1782365
116.9015239				
METTL24	METTL24	0 0	0 9.427542247	
SYCE2	SYCE2	108.9375322	112.7306292	56.24991244
98.04643937				
MBD2	MBD2	5426.963295	6290.572228	3415.173255
4819.359597				
ZNF772	ZNF772	446.2924704	524.0450871	562.4991244
426.1249096				
CTXN2	CTXN2	2.342742627	0 0	0
CRYBA1	CRYBA1	0 0	0.892855753	8.484788022
CHKB	CHKB	3456.716746	1876.812637	2874.995525
3206.307118				
C17orf78	C17orf78		7.028227881	7.109138778
14.28569205	0.942754225			
BICD2	BICD2	2964.740794	2844.671103	2516.067512
2529.409585				
SELK	SELK	4939.672829	5825.431433	5322.313144
3953.911218				
NTN4	NTN4	31.62702546	7.109138778	43.7499319
88.61889712				
PHF11	PHF11	2792.549211	2737.01843	4076.779368
4077.412022				
SKIDA1	SKIDA1	4.685485254	0 6.249990271	6.599279573
HN1L	HN1L	2151.809103	1986.496493	1131.248239
2301.263063				
FSTL3	FSTL3	78.481878	74.13816155	372.320849
186.6653365				
FRMD4B	FRMD4B	3047.908158	3341.295226	1438.390618
3730.478467				
INTU	INTU	1.171371313	8.124730032	0 0.942754225
KDELR1	KDELR1	1284.994331	1297.925623	1020.534126
930.4984198				
OAZ3	OAZ3	1273.280618	1970.247033	1249.105198
1199.183374				
GPR55	GPR55	1453.6718	763.724623	133.0355072
262.0856745				
MAPKAPK3	MAPKAPK3		9264.375718	14792.08662
6291.954492	7734.35566			
CD2AP	CD2AP	1033.149498	652.0095851	1233.033795
1405.646549				
TUBE1	TUBE1	1191.284626	1208.553592	2287.496439
2259.781877				
TPX2	TPX2	15343.79284	18232.90978	5093.742071
8307.550228				
CCDC147-AS1	CCDC147-AS1		3.51411394	0 30.3570956
46.19495701				
LOC102577426	LOC102577426		0 0	5.357134518
2.828262674				

TYK2 TYK2	11441.95499	10495.12002	7359.809972	
8553.609081				
RASA3 RASA3	7503.804634	5444.584713	4505.35013	
4043.47287				
RALY RALY	14975.98224	18152.67807	12418.73067	
11585.50667				
ARHGAP31 ARHGAP31		440.4356139	1152.696073	
1121.426826	730.6345242			
POLR2K POLR2K	4582.404578	4127.362856	4102.672185	
4045.358378				
LOC100506457 LOC100506457		1.171371313	6.093547524	
5.357134518	14.14131337			
FUCA2 FUCA2	1506.383509	2782.720036	1172.319604	
1093.594901				
SCRG1 SCRG1	4.685485254	1.015591254	4.464278765	
0.942754225				
MRPS5 MRPS5	3975.634238	5618.250817	3942.851005	
3653.172621				
SLC35A4 SLC35A4	10599.73902	13263.62178	10277.66257	
10325.98702				
CCDC104 CCDC104	784.81878	534.2009996	925.8914159	
1233.122526				
TSPAN3 TSPAN3	1865.994502	1987.512084	3407.137554	
2311.633359				
GPX7 GPX7	1174.885427	1461.435815	908.0343008	
794.7418114				
GLB1L2 GLB1L2	244.8166045	117.8085855	190.1782754	
179.1233027				
CLMP CLMP	39.82662466	31.48332888	71.42846024	
67.87830418				
OR10A2 OR10A2	2.342742627	0 0	0	
VLDLR VLDLR	57.39719436	11.17150379	93.74985407	
63.16453306				
LINC01506 LINC01506		2.342742627	4.062365016	0
0				
DPP9-AS1 DPP9-AS1		1284.994331	1565.026122	
1050.891221	1035.144139			
LOC100287036 LOC100287036		17.5705697	22.34300759	
5.357134518	14.14131337			
REX01 REX01	904.298654	903.8762161	758.9273901	
821.1389297				
DLL4 DLL4	3.51411394	0 0	2.828262674	
LOC100270746 LOC100270746		2.342742627	0 0	
4.713771124				
RAB5A RAB5A	4548.43481	5086.081	4179.45778	
3945.42643				
GEMIN8P4 GEMIN8P4		49.19759517	42.65483267	
66.07132572	11.3130507			
LOC285696 LOC285696		0 0	0 0.942754225	
STX19 STX19	3.51411394	3.046773762	0 0	

C8orf82	C8orf82	767.2482103	749.5063455	748.213121	
665.5844826					
DENND6B	DENND6B	115.96576	231.5548059	117.8569594	
109.3594901					
TMEM198	TMEM198	5.856856567	1.015591254	16.96425931	
13.19855915					
MIR1184-1	MIR1184-1		391.2380187	470.2187506	
505.3563562	631.6453306				
MIR3192	MIR3192	2.342742627	1.015591254	0	3.771016899
MIR320E	MIR320E	8.199599194	7.109138778	7.142846024	
6.599279573					
PRPF8	PRPF8	38729.04974	24395.51751	27505.31433	
26209.5102					
MYH7	MYH7	5.856856567	13.2026863	0	8.484788022
POLR2M	POLR2M	3088.906154	2770.532941	3818.744056	
3929.399609					
SPAST	SPAST	2186.950242	1576.197626	1220.533814	
1339.653753					
TRY2P	TRY2P	0	26.40537261	22.32139383	0
DPY19L2P3	DPY19L2P3		1.171371313	0	0.892855753
13.19855915					
VPS9D1-AS1	VPS9D1-AS1		127.6794732	107.6526729	
113.3926806	125.3863119				
TMEM198B	TMEM198B		535.3166903	222.4144846	
258.9281684	296.9675808				
PCDHGB3	PCDHGB3	0	14.21827756	9.821413283	23.56885562
ACAD11	ACAD11	791.8470079	560.6063722	974.1056266	
936.1549451					
DNAJC30	DNAJC30	541.1735468	604.2767962	1112.498268	
655.2141862					
NRK	NRK	0	1.015591254	2.678567259	0.942754225
FOXK2	FOXK2	1165.514457	663.1810889	659.8204015	
539.2554165					
NBN	NBN	4277.848037	3982.133307	4130.350714	
4465.826762					
AAK1	AAK1	2707.039105	1725.489541	1676.783104	
1972.241838					
GNA14	GNA14	2.342742627	1.015591254	0	3.771016899
ASUN	ASUN	4574.204979	5076.940679	3081.245204	
3903.00249					
DNAJC17	DNAJC17	1137.401545	1503.075056	1211.605257	
1107.736214					
VSTM2B	VSTM2B	2.342742627	0	0	0
NYX	NYX	11.71371313	0	0	0
MAPRE3	MAPRE3	55.05445173	34.53010264	98.21413283	
73.53482953					
RARRES3	RARRES3	4485.180759	2392.732995	8774.986341	
6231.605425					
DUSP19	DUSP19	194.447638	72.10697904	103.5712674	
204.5776668					

RALGAPA1	RALGAPA1	1648.119438	1421.827756	
1714.283046	1696.01485			
C17orf70	C17orf70	2483.307185	2585.695333	
2516.067512	2503.955221			
MYL12A MYL12A	37496.76712	48029.34159	27107.10066	
31435.19687				
OSTF1 OSTF1	12081.52373	9053.99603	3995.529495	
6603.993344				
ELL ELL	1842.567076	2430.309871	2137.496673	
1952.443999				
TWSG1 TWSG1	454.4920696	921.1412674	876.7843495	
591.1068989				
ASCL3 ASCL3	0 0	0 0.942754225		
FSTL4 FSTL4	0 0	5.357134518	24.51160984	
LINC00899	LINC00899	21.08468364	68.04461402	
92.85699832	56.56525348			
GUSBP1 GUSBP1	364.2964785	470.2187506	511.6063465	
416.6973673				
BSN-AS2 BSN-AS2	1.171371313	0 0	0	
MORC2-AS1	MORC2-AS1	436.9214999	171.6349219	
273.2138604	314.8799111			
ANKRD30BP2	ANKRD30BP2	0 0	0 2.828262674	
RPL21P28	RPL21P28	23163.86772	24781.44219	
41508.86396	36569.43638			
KLHL22 KLHL22	1679.746464	2029.151326	1258.033756	
1330.226211				
EPHA1-AS1	EPHA1-AS1	0 0	21.42853807	
19.79783872				
LINC01116	LINC01116	7.028227881	0 0	
0.942754225				
TMLHE-AS1	TMLHE-AS1	8.199599194	4.062365016	
10.71426904	7.542033798			
LINC00892	LINC00892	1316.621356	2335.859884	
816.963014	1077.568079			
LOC284865	LOC284865	0 0	13.3928363 0	
TOB1-AS1	TOB1-AS1	66.76816487	53.82633646	
75.89273901	89.56165135			
MIR4446 MIR4446	2.342742627	3.046773762	1.785711506	
6.599279573				
UBL7-AS1	UBL7-AS1	568.115087	509.8268095	
361.60658	507.2017729			
SLC8A1-AS1	SLC8A1-AS1	230.7601488	169.6037394	
16.07140355	65.99279573			
LOC286437	LOC286437	28.11291152	27.42096386	
24.10710533	45.25220279			
LINC00629	LINC00629	4.685485254	4.062365016	
7.142846024	0.942754225			
EHHADH-AS1	EHHADH-AS1	36.31251072	27.42096386	
15.1785478	26.39711829			
RNASEH1-AS1	RNASEH1-AS1	303.3851702	362.5660777	

374.1065605	284.7117759				
ABCC2 ABCC2	15.22782708	15.23386881	162.4997471		
82.01961755					
HSF1 HSF1	2189.292985	1579.2444	1394.640686		
1222.752229					
ANKRD9 ANKRD9	255.3589463	299.5994199	178.5711506		
166.8674978					
IFNGR1 IFNGR1	1761.742455	1731.583088	3379.459025		
3155.39839					
GPR137B GPR137B	552.88726	493.5773495	639.2847192		
805.1121079					
ID3 ID3	927.7260803	1086.682642	1131.248239		
1366.050872					
ID2 ID2	7062.197649	6340.336199	6248.20456		
9167.342081					
ID01 ID01	3.51411394	2.031182508	276.7852834		
401.6132997					
IRF8 IRF8	327.9839678	490.5305757	3067.852367		
2288.064503					
ICAM3 ICAM3	7311.699739	7928.72092	4992.849371		
5439.691877					
PPIC PPIC	3.51411394	8.124730032	3.571423012	0	
SIM1 SIM1	5.856856567	13.2026863	4.464278765	0	
MORN3 MORN3	87.85284851	109.6838554	253.5710339		
213.0624548					
ATXN7L3 ATXN7L3	2083.869567	854.1122447	927.6771274		
964.4375719					
TRAPPC2L TRAPPC2L		3037.365816	4132.440813		
3161.602221	2691.563312				
SCN4A SCN4A	4.685485254	3.046773762	2.678567259		
2.828262674					
BOP1 BOP1	4882.275635	8080.044017	3754.458441		
4595.926845					
SLC22A13 SLC22A13		5.856856567	1.015591254	0	
0					
POLD3 POLD3	4363.358143	4378.213896	2670.531557		
3075.264281					
PCDHGC3 PCDHGC3	0 15.23386881	17.85711506	12.25580492		
CNOT6L CNOT6L	3023.30936	1588.384721	1957.139811		
3263.815126					
RBM42 RBM42	5888.483593	7259.446284	4423.207401		
3865.292321					
NAV1 NAV1	59.73993699	38.59246765	241.9639091		
84.84788022					
GGT7 GGT7	66.76816487	49.76397145	623.2133156		
528.8851201					
GPR114 GPR114	2558.274949	1833.142214	810.7130238		
1505.578497					
CREG2 CREG2	57.39719436	13.2026863	0 0.942754225		
TTL TTL	2473.936214	2440.465783	1664.283124		

2020.322304					
SPICE1	SPICE1	826.9881473	898.7982598	694.6417759	
988.0064275					
SNORD87	SNORD87	23.42742627	11.17150379	45.5356434	
72.5920753					
FLJ44313	FLJ44313		0	0	1.885508449
RNA45S5	RNA45S5	431414.8834	14584.906	36227.62218	
32508.05118					
ZNF106	ZNF106	7022.371024	5825.431433	4509.814409	
5385.012132					
PDCD11	PDCD11	4589.432806	3846.044079	3358.030487	
3859.635796					
SGTB	SGTB	1104.603149	1108.010058	1586.604673	
1527.261844					
HIST1H2AB	HIST1H2AB		19.91331233	2.031182508	0
7.542033798					
HIST1H2AC	HIST1H2AC		424.0364155	773.8805356	
391.0708198	358.2466054				
ARL6IP5	ARL6IP5	19643.89693	23852.17619	18275.86441	
17538.05684					
NUP93	NUP93	8860.252615	11961.63379	8046.416046	
8023.781207					
ZNF548	ZNF548	901.9559114	637.7913075	1562.497568	
1214.267441					
STAU1	STAU1	5647.181102	5696.451344	5379.455912	
6481.435295					
PGP	PGP	2532.50478	3694.720982	2074.103914	
1903.42078					
ZNF486	ZNF486	233.1028914	190.9311558	424.1064827	
341.2770293					
RCSD1	RCSD1	16994.25502	20577.90999	7608.916727	
9060.810854					
NTNG2	NTNG2	108.9375322	200.071477	35.71423012	
54.67974503					
ACOT13	ACOT13	2596.930202	2595.851245	2302.674987	
2246.583317					
LOC100289333	LOC100289333		0	1.015591254	22.32139383
1.885508449					
LOC102546294	LOC102546294		3.51411394	7.109138778	
16.07140355	43.36669434				
LOC100506142	LOC100506142		5.856856567	2.031182508	
10.71426904	2.828262674				
ERGIC2	ERGIC2	3706.218836	3441.83876	3893.743939	
4736.397225					
FAM20A	FAM20A	2.342742627	1.015591254	37.49994163	
5.656525348					
KISS1R	KISS1R	28.11291152	15.23386881	18.74997081	
75.42033798					
PARP10	PARP10	8083.633434	9042.824526	11099.98272	
10715.34452					

MSANTD4 MSANTD4	940.6111647	959.7337351	1098.212576
946.5252416			
PLEKHM1P PLEKHM1P	843.7650311	678.2239905	483.4214369
933.9271177			
FAM184B FAM184B	23.42742627	22.34300759	110.7141134
78.24860065			
ZXDB ZXDB	427.5505294	292.4902812	1013.39128
854.1353276			
MRPL15 MRPL15	4207.565758	6030.580867	3965.172399
3695.596561			
NELFB NELFB	3249.384024	2162.19378	1574.104693
1509.349514			
ACSM3 ACSM3	267.0726595	281.3187774	378.5708393
341.2770293			
DDX11 DDX11	3728.474891	2821.312504	1450.890599
2695.334328			
SLC7A60S SLC7A60S	2001.467219	1586.036758	1856.500812
2326.782092			
ZUFSP ZUFSP	1149.115259	1282.691754	1605.354644
1308.542864			
RILPL2 RILPL2	4219.279471	3920.182241	2895.531207
3200.650593			
UPRT UPRT	1307.250386	1249.177242	1496.426242
1564.972013			
RNF183 RNF183	0 0	16.07140355	2.828262674
PITPNM2 PITPNM2	282.3004865	184.8376082	139.2854975
186.6653365			
MOC3S MOC3S	832.8450039	1112.072423	1724.104459
1106.79346			
METTL7A METTL7A	934.7543081	635.760125	172.3211603
172.5240231			
DCPS DCPS	4300.104092	4476.726248	2447.317619
2888.598945			
SMAD6 SMAD6	0 2.031182508 0	0	0
LYL1 LYL1	71.45365012	241.7107185	145.5354877
102.7602105			
CCDC179 CCDC179	0 0	1.785711506	0
ACTG2 ACTG2	29.28428284	67.02902277	117.8569594
20.74059294			
CAMK4 CAMK4	3122.875922	4308.1381	7661.595217
5498.142639			
LRP12 LRP12	670.0243913	385.9246765	314.2852251
360.1321138			
AFG3L2 AFG3L2	4250.906497	5635.515869	4676.778434
4610.068159			
KANSL2 KANSL2	3025.652103	3445.901125	4188.386337
3396.743472			
TCIRG1 TCIRG1	8637.692065	7419.909702	5067.849254
7730.584643			
SH2B3 SH2B3	2045.214313	2918.809264	2091.961029

1686.587308					
ADPRHL1	ADPRHL1	5.856856567	17.26505132	24.10710533	
5.656525348					
LHFPL1	LHFPL1	15.22782708	22.34300759	53.57134518	
53.73699081					
EXOC8	EXOC8	549.373146	302.6461937	735.7131405	
732.5200326					
ANKRD54	ANKRD54	2061.613512	2530.853405	2035.711117	
1530.090107					
C12orf60	C12orf60		206.1613512	203.1182508	
196.4282657	145.1841506				
PRTG	PRTG	0	4.062365016	0	0
HEATR3	HEATR3	1016.7503	865.2837485	641.9632864	
907.8723184					
ANKRD17	ANKRD17	4899.846204	3174.73826	3206.245009	
3625.832748					
DGCR14	DGCR14	1171.371313	1666.585248	1620.533192	
1299.115322					
PRSS56	PRSS56	0	0	3.571423012	0.942754225
GIMAP2	GIMAP2	2736.323388	2178.44324	3811.60121	
3557.954444					
SART1	SART1	5303.969307	6528.220581	6197.311782	
5495.314376					
SRSF9	SRSF9	13009.24981	16801.94171	9446.413867	
10509.8241					
GRM3	GRM3	0	0	9.821413283	6.599279573
DUSP10	DUSP10	1875.365473	2788.813584	1946.425542	
1723.354723					
CLC	CLC	0	4.062365016	17.85711506	6.599279573
CKS2	CKS2	10937.09395	9415.546516	5801.776683	
6389.045381					
LIPC	LIPC	56.22582305	47.73278894	35.71423012	
25.45436407					
CASC15	CASC15	31.62702546	12.18709505	0	13.19855915
LINC01102	LINC01102		0	2.031182508	0
CDIPT-AS1	CDIPT-AS1		4.685485254	0	0
8.484788022					
HCG4	HCG4	0	0	1.885508449	
GFI1B	GFI1B	1.171371313	0	0	0
ZNF671	ZNF671	1131.544689	1103.947693	2108.032433	
1793.118535					
IL17RB	IL17RB	604.4275977	3674.409157	445.5350208	
313.9371568					
RLTPR	RLTPR	6471.826507	4478.75743	2604.460232	
4198.084563					
FAM153A	FAM153A	0	1.015591254	43.7499319	35.82466054
ZNF660	ZNF660	0	0	1.885508449	
TOR1AIP1	TOR1AIP1		9401.426162	11980.93002	
8711.593582	9494.477797				
CEND1	CEND1	175.705697	162.4946006	33.03566286	

66.93554995						
YWHAG	YWHAG	1195.970111	396.0805891	423.2136269		
395.0140202						
BFAR	BFAR	2598.101573	2566.399099	2708.031499		
2088.200608						
NIPSNAP3A	NIPSNAP3A		1277.966103	1571.11967		
1177.676738		1026.659351				
NOL11	NOL11	6203.582476	7077.655449	6694.632436		
7723.985363						
ARHGAP21	ARHGAP21		722.7361004	255.928996		
128.5712284		342.2197836				
IGSF6	IGSF6	5.856856567	10.15591254	49.10706642		
35.82466054						
SLC35A5	SLC35A5	2422.395876	2089.07121	2072.318203		
2278.636961						
TMEM42	TMEM42	440.4356139	548.4192772	691.0703528		
523.2285947						
ZNF439	ZNF439	87.85284851	111.7150379	327.6780614		
488.3466884						
TICRR	TICRR	1844.909819	1087.698233	253.5710339		
639.1873644						
COL10A1	COL10A1	2.342742627	0	6.249990271	6.599279573	
TCN1	TCN1	0	2.031182508	18.74997081	8.484788022	
HGD	HGD	8.199599194	0	0.892855753	0.942754225	
AMH	AMH	33.96976809	6.093547524	9.821413283		
16.96957604						
CDK8	CDK8	508.37515	280.3031861	285.713841		
246.0588527						
ADAMTS20	ADAMTS20		0	0	2.678567259	0
NDUFA13	NDUFA13	11008.5476	12823.87076	7603.559593		
7815.432523						
ATIC	ATIC	10040.9949	12058.11496	8197.308669		
10381.60952						
SNN	SNN	1171.371313	1355.814324	3197.316452		
2041.062897						
HIST1H4I	HIST1H4I		50.36896648	62.96665775		
11.60712479		17.91233027				
GPLD1	GPLD1	38.65525334	54.84192772	75.89273901		
82.01961755						
BTBD18	BTBD18	24.59879758	21.32741634	51.78563368		
37.71016899						
GPR75-ASB3	GPR75-ASB3		1438.443973	1713.302446		
1556.247578		1343.42477				
GRIN2D	GRIN2D	3.51411394	3.046773762	9.821413283		0
GRINA	GRINA	470.891268	199.0558858	339.2851862		
310.1661399						
U2SURP	U2SURP	5747.919035	6617.592611	6155.347561		
6148.643054						
PIH1D2	PIH1D2	87.85284851	100.5435342	62.49990271		
73.53482953						

KCNE1L	KCNE1L	15.22782708	8.124730032	8.035701777
0.942754225				
KCND2	KCND2	1.171371313	0	0
CCR10	CCR10	79.65324932	108.6682642	19.64282657
31.11088942				
TSPAN12	TSPAN12	4.685485254	0	18.74997081
CD1D	CD1D	1.171371313	0	0
GJB5	GJB5	0	0	4.713771124
ACAD8	ACAD8	2368.512796	2285.080322	2334.817794
2437.019671				
LOC440300	LOC440300		28.11291152	6.093547524
16.96425931	15.0840676			
REREP3	REREP3	7.028227881	56.87311023	64.28561422
15.0840676				
CRYBB2P1	CRYBB2P1		920.6978524	1647.289014
1171.426748	836.2229973			
ASB1	ASB1	1357.619352	1321.284222	1176.783882
1088.88113				
HYOU1	HYOU1	7348.012249	4600.628381	4228.564846
3855.864779				
PHAX	PHAX	3693.333751	3890.730094	4363.386065
4069.869988				
CLIP1-AS1	CLIP1-AS1		0	0
4.713771124				10.71426904
LOC100506388	LOC100506388		0	0
KRT34	KRT34	0	1.015591254	0
PARPBP	PARPBP	2367.341425	2603.975975	674.1060935
1284.031254				
MIR610	MIR610	4.685485254	1.015591254	0
PVT1	PVT1	818.7885481	994.2638377	1658.033133
1328.340703				
SNX8	SNX8	1248.68182	1689.943847	787.4987742
858.8490987				
RAB39A	RAB39A	3.51411394	1.015591254	0
USP25	USP25	3197.843686	3228.564597	5304.456029
5234.171456				
MIR4668	MIR4668	0	3.046773762	6.249990271
0.942754225				
MIR4667	MIR4667	0	1.015591254	0.892855753
0				
MIR4665	MIR4665	35.1411394	35.54569389	39.28565313
42.42394011				
MIR4664	MIR4664	0	0	1.785711506
MIR4505	MIR4505	4.685485254	11.17150379	15.1785478
4.713771124				
PDLIM1	PDLIM1	449.8065844	62.96665775	26.78567259
190.4363534				
NFKBIA	NFKBIA	20828.15332	31508.71866	29307.99009
26602.63871				
TCEAL3	TCEAL3	15.22782708	4.062365016	160.7140355
155.5544471				
DDX5	DDX5	55467.94581	55703.1491	80432.91051

76426.25673				
SCGB2B2	SCGB2B2	0	3.046773762	8.035701777
TSR2	TSR2	4214.593986	5748.246498	5879.455134
4747.710276				
CCDC102A	CCDC102A		1166.685828	1092.776189
630.3561616			658.0424489	
TIGD7	TIGD7	260.0444316	219.3677109	668.748959
576.9655855				
LDHAL6B	LDHAL6B	0	5.07795627	0
BRCC3	BRCC3	3878.410419	4033.928461	2370.532024
3195.936822				
TSNAXIP1	TSNAXIP1		17.5705697	16.24946006
131.2497957			29.22538097	
IAH1	IAH1	2956.541195	2872.092066	1983.032627
2585.974838				
PCTP	PCTP	647.7683363	719.0386079	230.3567843
637.3018559				
LMBR1	LMBR1	2821.833494	2789.829175	2892.85264
3231.761482				
GOLPH3	GOLPH3	9992.968675	9997.480305	7891.059145
8204.790018				
PHF5A	PHF5A	1696.145662	1582.291174	1288.390852
988.0064275				
DNAJB7	DNAJB7	16.39919839	118.8241767	192.8568427
28.28262674				
DIRAS1	DIRAS1	0	1.015591254	6.249990271
FRAT2	FRAT2	834.0163752	1055.199313	1133.033951
935.2121909				
ELL2	ELL2	4685.485254	4758.045025	3206.245009
3521.187029				
LOC100130093	LOC100130093		1478.270598	1850.407265
2092.853885			1702.61413	
SLX1A-SULT1A3	SLX1A-SULT1A3		130.0222158	102.5747167
159.8211798			119.7297865	
RNF215	RNF215	35.1411394	50.7795627	8.92855753
33.93915209				
DNAJC22	DNAJC22	0	0	4.713771124
ALKBH4	ALKBH4	762.5627251	1193.319724	808.9273122
804.1693537				
RNPC3	RNPC3	554.0586313	435.688648	785.7130627
800.3983368				
FAM187B	FAM187B	0	0	0.892855753
ZNF100	ZNF100	1289.679816	842.9407409	973.2127708
1157.702188				
NOL8	NOL8	3421.575607	3634.801098	4491.957293
4726.026928				
F2	F2	7.028227881	1.015591254	0
CRISPLD1	CRISPLD1		59.73993699	0.942754225
		16.96957604		1.015591254
LOC400863	LOC400863		103.0806756	0
				45.70160643

99.10698859	113.130507			
SRR SRR	3345.436471	4804.762223	3807.136931	
4106.637403				
BCORL1 BCORL1	72.62502143	57.88870148	215.1782365	
105.5884732				
ZNF653 ZNF653	251.8448324	160.4634181	117.8569594	
190.4363534				
FBX034 FBX034	2280.659947	2891.3883	4879.45669	
4093.438844				
LINC01248	LINC01248	0 0	0 3.771016899	
TMEM165 TMEM165	6352.346633	6678.528087	4333.921825	
4939.089383				
MSI1 MSI1	0 1.015591254	0	0	
PON1 PON1	0 1.015591254	0	5.656525348	
AIRE AIRE	32.79839678	19.29623383	1.785711506 0	
ECM2 ECM2	12.88508445	13.2026863	0 3.771016899	
FASLG FASLG	1957.361465	874.4240697	950.891377	
1341.539262				
AKR7A3 AKR7A3	4.685485254	4.062365016	17.85711506	
22.62610139				
MATN1 MATN1	28.11291152	16.24946006	173.2140161	
113.130507				
BCR BCR	2804.262924	2722.800152	2499.996108	
3090.348349				
FAM161A FAM161A	229.5887774	258.9757698	260.7138799	
230.9747851				
C9orf40 C9orf40	1402.131462	1334.486908	1014.284135	
1091.709392				
AMFR AMFR	4648.001372	8782.833165	5305.348885	
4413.97528				
PFDN4 PFDN4	2008.901803	1752.910504	908.0343008	
1339.653753				
MMP15 MMP15	14.05645576	6.093547524	2.678567259	
15.0840676				
SLC5A11 SLC5A11	2.342742627	2.031182508	25.89281684	
10.37029647				
LONRF2 LONRF2	24.59879758	23.35859884	0 0.942754225	
PCSK5 PCSK5	35.1411394	81.24730032	474.9992606	
283.7690216				
CAPZA2 CAPZA2	10802.38625	12318.10632	10101.76999	
10655.00825				
PTCD1 PTCD1	4809.650613	6693.761955	5177.670512	
5021.109001				
AZIN2 AZIN2	64.42542224	80.23170907	126.7855169	
116.9015239				
ESC01 ESC01	1081.175722	758.6466668	1715.175902	
1561.200996				
MRPL45P2	MRPL45P2	115.96576	191.946747	
149.1069108	145.1841506			
MIR3178 MIR3178	0 0	1.785711506	0	

MIR3177	MIR3177	1.171371313	0	0.892855753	0
CBWD3	CBWD3	81.99599194	124.9177242	210.7139577	
155.5544471					
ATP6V1G1	ATP6V1G1		5251.257598	5953.395931	
8393.736934	6643.589022				
CDC23	CDC23	5655.380701	5702.544891	4599.099984	
5319.96209					
LHFPL2	LHFPL2	12.88508445	39.60805891	39.28565313	
49.96597391					
MMP21	MMP21	1.171371313	0	8.035701777	5.656525348
PPP3R2	PPP3R2	4.685485254	0	4.464278765	1.885508449
PCDHB12	PCDHB12	0	0	5.656525348	
LINC00964	LINC00964		0	2.031182508	0
DEPTOR	DEPTOR	18.74194102	16.24946006	44.64278765	0
56.56525348					
MCIDAS	MCIDAS	4.685485254	1.015591254	0	7.542033798
STMND1	STMND1	149.9355281	1181.132628	107.1426904	
106.5312274					
BTN1A1	BTN1A1	1.171371313	0	17.85711506	0
MAP2K3	MAP2K3	11518.09413	14610.29578	8237.487177	
10237.36813					
CA4	CA4	0	1.015591254	0	0
CSF2RB	CSF2RB	2710.553219	4499.069255	849.1058211	
1370.764643					
MAP4K2	MAP4K2	5981.021927	7430.065615	3841.958305	
4732.626208					
ILVBL	ILVBL	2837.061321	4203.532201	2707.138643	
2176.819505					
TMEM59	TMEM59	10081.99289	11311.65539	13998.1925	
11688.26688					
TCF15	TCF15	0	1.015591254	0	0
PCDHB8	PCDHB8	0	0	0.942754225	
TMEM234	TMEM234	297.5283136	320.9268363	207.1425347	
324.3074533					
GPR143	GPR143	2.342742627	5.07795627	0	1.885508449
ALDH9A1	ALDH9A1	5486.703232	5657.858876	3693.74425	
5155.922855					
ANXA6	ANXA6	20090.1894	14305.6184	7520.524008	
7493.953332					
AKR1C1	AKR1C1	2.342742627	0	0	6.599279573
KIAA1109	KIAA1109		1340.048783	584.9805623	
1141.962508	1464.097311				
TMEM243	TMEM243	2559.44632	2723.815743	2826.781314	
2634.055304					
NOL12	NOL12	2498.535012	3330.123722	2150.889509	
1972.241838					
PLEKHF1	PLEKHF1	3570.339763	4954.054137	2787.495661	
2322.94641					
SCD	SCD	3037.365816	1661.507292	1212.498113	
2356.885562					

DLEC1	DLEC1	327.9839678	270.1472736	289.285264	
252.6581322					
PLK1	PLK1	13763.61293	19516.61713	3766.065566	
5486.829588					
CCL24	CCL24	2.342742627	0	6.249990271	0
TLR2	TLR2	43.3407386	123.902133	231.24964	
168.7530062					
SNRPA1	SNRPA1	5703.406925	7587.482259	5518.741409	
5759.285559					
SNX2	SNX2	4269.648438	5730.981447	5543.741371	
4834.443664					
FSCN1	FSCN1	297.5283136	57.88870148	105.3569789	
246.0588527					
CCL18	CCL18	0	3.046773762	0	0
ZSWIM4	ZSWIM4	175.705697	118.8241767	108.9284019	
98.9891936					
ATP6AP1L	ATP6AP1L		56.22582305	45.70160643	
131.2497957	49.02321969				
TMEM252	TMEM252	0	0	2.828262674	
CPNE8	CPNE8	261.2158029	235.6171709	285.713841	
231.9175393					
DDX42	DDX42	1883.565072	997.3106115	1876.782793	
1535.746632					
TMEM65	TMEM65	254.187575	229.5236234	110.7141134	
150.840676					
PRICKLE4	PRICKLE4		33.96976809	67.02902277	
150.8926223	91.4471598				
LCP2	LCP2	12006.55596	12909.18043	10691.94764	
12432.09996					
RABL2A	RABL2A	192.1048954	204.1338421	401.7850889	
451.5792736					
OGFOD3	OGFOD3	1375.189922	1464.482588	1520.533347	
1405.646549					
RBM22	RBM22	5319.197134	5566.455663	5199.991906	
5482.115817					
TMEM9B-AS1	TMEM9B-AS1		67.93953618	32.49892013	
57.14276819	136.6993626				
ACTN1-AS1	ACTN1-AS1		0	1.015591254	0
KBTBD7	KBTBD7	859.7865441	946.5310488	820.534437	0
1046.457189					
TMEM260	TMEM260	632.5405093	526.0762696	908.0343008	
1010.632529					
OTOGL	OTOGL	2.342742627	0	0	2.828262674
NINL	NINL	53.88308042	98.51235164	164.2854586	
170.6385147					
NIPBL	NIPBL	2827.690351	1901.186828	3873.208257	
3555.126181					
PRX	PRX	16.39919839	8.124730032	91.07128681	
35.82466054					
HOXB4	HOXB4	84.33873457	22.34300759	8.035701777	

16.96957604				
ZNF280C	ZNF280C	951.1535065	970.9052389	671.4275263
572.2518144				
STARD6	STARD6	8.199599194	17.26505132	4.464278765
9.427542247				
TRUB1	TRUB1	1718.401717	2496.323302	1475.89056
1573.456801				
PA2G4	PA2G4	20536.48187	28763.5755	18208.90023
18422.36031				
ZNF519	ZNF519	295.185571	277.2564124	590.1776528
301.6813519				
DRAM2	DRAM2	1807.425937	1911.34274	2266.960757
2010.894761				
GOLGA8N	GOLGA8N	2.342742627	5.07795627	19.64282657
9.427542247				
GOLGA8K	GOLGA8K	3.51411394	0	0
C6orf229	C6orf229	8.199599194	4.062365016	
12.49998054	6.599279573			
EA2F2	EA2F2	1074.147494	1492.919143	596.427643
492.1177053				
WDR19	WDR19	506.0324074	448.8913343	866.9629362
521.3430863				
ZSCAN16	ZSCAN16	501.3469222	639.8224901	867.8557919
761.7454136				
TGFB1	TGFB1	4034.202804	2289.142687	1689.283085
1562.14375				
USP6	USP6	32.79839678	22.34300759	42.85707615
26.39711829				
BYSL	BYSL	2066.298997	3046.773762	1612.49749
1735.610528				
BNIP3	BNIP3	1044.863212	1072.464364	1773.211526
2282.407978				
GPR37L1	GPR37L1	2.342742627	0	6.249990271
7.542033798				
TMEM45A	TMEM45A	0	5.07795627	16.07140355
9.427542247				
KIR2DL1	KIR2DL1	0	0	2.828262674
ZBTB25	ZBTB25	926.5547089	591.0741099	1106.248278
1270.832695				
FBX030	FBX030	1557.923847	1316.206265	1136.605374
1222.752229				
IDH3B	IDH3B	7617.427651	10114.2733	7504.452604
6756.719529				
RASGRF2	RASGRF2	483.7763525	514.9047658	1080.355461
1055.884732				
DSEL	DSEL	1.171371313	8.124730032	267.8567259
60.33627038				
ASTN2-AS1	ASTN2-AS1	2.342742627	2.031182508	
0.892855753	0			
MIR1306	MIR1306	122.9939879	148.2763231	74.99988325
52.79423658				
CIAPIN1	CIAPIN1	5373.080215	7949.032745	4616.957099

4200.912825					
CHMP4A	CHMP4A	6492.911191	8547.215994	5535.705669	
5935.580599					
FCRL6	FCRL6	4.685485254	0	0.892855753	0
RND2	RND2	4.685485254	5.07795627	0	26.39711829
SNHG8	SNHG8	621.9981674	700.7579653	1383.926417	
993.6629528					
PTPN1	PTPN1	4419.583966	4398.525721	5708.026829	
5795.110219					
FOX03B	FOX03B	193.2762667	252.8822223	537.4991633	
398.7850371					
LAMTOR3	LAMTOR3	2380.226509	2180.474422	2788.388517	
2616.142974					
HNRNPH1	HNRNPH1	14206.39129	9597.337351	9648.199267	
10054.47381					
STK4	STK4	16506.96455	14497.56515	16786.58101	
17715.29464					
DAPP1	DAPP1	5047.43899	4825.074048	3446.423207	
4338.554942					
DCX	DCX	0	0	0.942754225	
ZNF770	ZNF770	2359.141825	1984.46531	4100.886474	
3947.311939					
LSM4	LSM4	8846.196159	15410.58169	8132.130199	
7262.978547					
PIH1D1	PIH1D1	3694.505123	4864.682107	3370.530468	
3443.881183					
FAM98C	FAM98C	572.8005723	772.8649443	741.9631308	
641.0728728					
RNF151	RNF151	5.856856567	2.031182508	2.678567259	0
MIR1322	MIR1322	0	3.571423012	0.942754225	
FAXC	FAXC	108.9375322	7.109138778	1.785711506	
12.25580492					
SLC25A18	SLC25A18		8.199599194	2.031182508	
14.28569205		8.484788022			
PADI2	PADI2	24.59879758	37.5768764	7.142846024	
10.37029647					
PRDM13	PRDM13	4.685485254	2.031182508	0	0
SCPEP1	SCPEP1	1692.631548	2705.535101	1868.747091	
1711.098918					
TMEM241	TMEM241	459.1775549	801.3014994	339.2851862	
514.7438067					
HECA	HECA	1056.576925	485.4526194	765.1773803	
1197.297865					
GPR65	GPR65	1833.196106	1232.927782	2004.461166	
2698.162591					
SLFN5	SLFN5	9360.428166	12040.84991	12921.40846	
7422.304011					
SWAP70	SWAP70	591.5425133	1209.569184	941.0699637	
670.2982538					
TRIM62	TRIM62	593.8852559	571.777876	859.8200902	

613.7330003					
NUS1	NUS1	2028.815115	1587.36913	1467.854858	
1704.499638					
TMEM199	TMEM199	2413.024906	3133.099019	3723.20849	
2903.683012					
LAMA5	LAMA5	28.11291152	16.24946006	0	4.713771124
TXNL4A	TXNL4A	5828.743656	6112.843758	3467.851745	
3881.319143					
SLC3A1	SLC3A1	310.4133981	219.3677109	436.6064632	
648.6149066					
ABCD2	ABCD2	2384.911994	566.6999198	1139.283941	
1989.211414					
PIDD1	PIDD1	2695.325392	3238.720509	1776.782949	
1538.574895					
NME9	NME9	11.71371313	2.031182508	13.3928363	
27.33987252					
GLI3	GLI3	1.171371313	0	16.07140355	9.427542247
C1GALT1	C1GALT1	4264.962952	2744.127568	2813.388478	
3188.394788					
CNN3	CNN3	43.3407386	206.1650246	1233.926651	
311.1088942					
DKFZP434A062	DKFZP434A062	0	0	0	0.942754225
FAM182B	FAM182B	0	2.031182508	0	0
SPRTN	SPRTN	1430.244374	1409.640661	1106.248278	
1251.97761					
ANGPTL6	ANGPTL6	1616.492413	1525.418064	2380.353438	
2188.132556					
LOC730101	LOC730101		36.31251072	169.6037394	0
17.91233027					
VTRNA1-3	VTRNA1-3		32.79839678	24.3741901	
43.7499319	17.91233027				
TTC30A	TTC30A	92.53833376	120.8553592	91.07128681	
122.5580492					
CHMP7	CHMP7	10693.44872	9267.270193	12002.65989	
9155.086276					
OR7D2	OR7D2	1.171371313	0	0	0
GNG5	GNG5	11693.79982	9980.215254	7156.238861	
7756.981761					
GNB2	GNB2	4384.442826	2272.893227	1398.212109	
1564.029259					
KIR2DS1	KIR2DS1	0	0	1.885508449	
CXCL14	CXCL14	0	0	13.3928363	0
NUAK1	NUAK1	1.171371313	1.015591254	1.785711506	
3.771016899					
PTPRG	PTPRG	36.31251072	28.43655511	29.46423985	
19.79783872					
TSPYL4	TSPYL4	680.5667331	717.0074254	795.5344759	
539.2554165					
UTP14C	UTP14C	1446.643572	1288.785301	1802.675765	
2065.574506					

SNORD95	SNORD95	21.08468364	8.124730032	4.464278765	
6.599279573					
SNORA41	SNORA41	10.54234182	22.34300759	16.07140355	
11.3130507					
CRYZL1	CRYZL1	1279.137474	1478.700866	1461.604868	
1550.8307					
SKOR1	SKOR1	0	1.015591254	5.357134518	0.942754225
METTL10	METTL10	1389.246378	1207.538001	949.9985212	
1285.916763					
B4GALT4	B4GALT4	651.2824503	935.359545	1968.746935	
1371.707397					
VHLL	VHLL	3.51411394	0	11.60712479	0
KLHL9	KLHL9	1411.502433	1300.972396	3149.102241	
2948.935215					
DNASE2	DNASE2	3378.234868	4056.271469	3642.851472	
2784.89598					
GAREM	GAREM	0	0	31.24995136	15.0840676
RPS6KA5	RPS6KA5	3105.305352	5235.372915	3506.244542	
3605.092155					
TOMM7	TOMM7	2828.861722	3180.831808	4116.957877	
3179.91					
GNMT	GNMT	22.25605496	7.109138778	22.32139383	
26.39711829					
OR1Q1	OR1Q1	2.342742627	0	1.785711506	0
OR1F1	OR1F1	0	4.062365016	5.357134518	0
KLHL24	KLHL24	1211.197938	900.8294423	4871.420989	
3181.795508					
MIR32	MIR32	1.171371313	0	0	1.885508449
MIR24-1	MIR24-1	0	2.031182508	0	0
MIR222	MIR222	0	0	0.892855753	0.942754225
MIR221	MIR221	2.342742627	0	7.142846024	3.771016899
OGFRP1	OGFRP1	22.25605496	34.53010264	47.32135491	
33.93915209					
PPIAP30	PPIAP30	0	9.140321286	9.821413283	5.656525348
FGF14	FGF14	2.342742627	0	0	0
CTSW	CTSW	1012.064815	1152.696073	1520.533347	
1461.269048					
DVL2	DVL2	2295.887774	2403.904498	4034.815148	
3304.353558					
DVL1	DVL1	322.1271112	245.7730835	284.8209852	
258.3146576					
DUSP1	DUSP1	872.6716285	880.5176173	2835.709872	
2304.091325					
MIR4763	MIR4763	0	0	2.678567259	0.942754225
MIR548F1	MIR548F1	0	1.171371313	1.015591254	0
0					
MIR1304	MIR1304	10.54234182	4.062365016	13.3928363	
5.656525348					
MPHOSPH9	MPHOSPH9		4519.150527	3157.473209	
2388.389139	2972.504071				

REEP3	REEP3	3167.388032	1571.11967	1059.819779	
1777.091714					
TRNP1	TRNP1	8.199599194	4.062365016	5.357134518	
1.885508449					
FAM95C	FAM95C	0	3.046773762	0	0.942754225
CCDC144NL	CCDC144NL		2.342742627	0	2.678567259
0					
C17orf97	C17orf97		9.370970508	16.24946006	
20.53568232	11.3130507				
H2BFM	H2BFM	0	3.046773762	0	0
ALOX12	ALOX12	206.1613512	127.964498	188.3925639	
288.4827928					
AVPR1A	AVPR1A	0	0	0	0.942754225
NMNAT3	NMNAT3	72.62502143	73.12257029	191.9639869	
151.7834302					
TRIM34	TRIM34	992.1515025	973.9520126	1062.498346	
1116.221002					
SCYL1	SCYL1	3919.408415	4472.663883	4913.385209	
4291.417231					
RD3	RD3	0	2.031182508	0	0
CCDC61	CCDC61	636.0546232	743.412798	560.7134129	
693.8671094					
LCLAT1	LCLAT1	1970.246549	1300.972396	1078.56975	
1305.714601					
MIR7-1	MIR7-1	9.370970508	2.031182508	14.28569205	
16.02682182					
MIR199A1	MIR199A1		0	0	1.785711506
					0
MIR92A1	MIR92A1	7.028227881	2.031182508	0.892855753	0
MIR31	MIR31	0	0	0.892855753	0
MIR23A	MIR23A	0	0	0	1.885508449
MIR22	MIR22	29.28428284	51.79515396	70.53560449	
35.82466054					
MIR29A	MIR29A	0	0	2.678567259	4.713771124
MIR20A	MIR20A	1.171371313	0	0	1.885508449
MIR19A	MIR19A	7.028227881	0	0	1.885508449
CBWD5	CBWD5	387.7239048	552.4816422	776.7845051	
551.5112215					
MAP3K11	MAP3K11	3054.936386	1796.580928	1738.390151	
1539.517649					
SELT	SELT	20528.28227	21112.11099	14562.47733	
14690.93908					
TOB2	TOB2	3462.573603	2076.884115	2045.53253	
2372.912384					
KLF2	KLF2	6333.604692	5596.923401	1930.354138	
1599.853919					
GML	GML	1.171371313	0	0	1.885508449
DOC2B	DOC2B	18.74194102	0	0	0
STAG3L4	STAG3L4	468.5485254	399.1273628	566.0705474	
670.2982538					
PDHA2	PDHA2	0	1.015591254	0	0

LOC650226	LOC650226	0	0	1.785711506	0
NOP58	NOP58	9025.41597	11085.17854	10603.55492	
11671.2973					
PTGDS	PTGDS	10.54234182	11.17150379	2.678567259	
6.599279573					
RPS6KA1	RPS6KA1	16128.61162	22209.96513	8806.236292	
11606.24726					
RPS2	RPS2	39409.61647	57809.48536	48758.85267	
43575.04302					
MTPN	MTPN	5817.029943	4175.095645	3399.101852	
3825.696644					
ZNF511	ZNF511	2417.710391	3189.972129	1918.747013	
2057.089718					
TSPAN16	TSPAN16	1.171371313	0	0	
GLDC	GLDC	466.2057828	134.0580455	18.74997081	
592.9924073					
MRPL17	MRPL17	2366.170053	3002.087747	3021.423868	
2755.670599					
GCN1L1	GCN1L1	12753.89086	6344.398564	5846.419471	
6488.977329					
PCNX	PCNX	2478.621699	1016.606845	1586.604673	
1663.018452					
CLPTM1L	CLPTM1L	9725.896016	11741.25049	7412.488462	
6716.181097					
TG	TG	52.71170911	31.48332888	18.74997081	
17.91233027					
HOXD1	HOXD1	1.171371313	4.062365016	0	0
PURA	PURA	1138.572917	629.6665775	893.7486088	
889.0172339					
SLC25A47	SLC25A47		0	0	3.771016899
ADPGK	ADPGK	4510.950928	5888.398091	6838.382212	
5754.571788					
LINC01490	LINC01490		0	0	0.892855753
SPDL1	SPDL1	3748.388203	3740.422589	1481.247694	0
2277.694207					
RNF43	RNF43	182.7339249	110.6994467	109.8212576	
138.584871					
OR2L2	OR2L2	2.342742627	0	0	5.656525348
ZNF676	ZNF676	0	0	1.885508449	
LRRC45	LRRC45	1266.25239	916.0633112	416.9636367	
651.4431693					
MIR4469	MIR4469	22.25605496	22.34300759	14.28569205	
4.713771124					
MIR4467	MIR4467	3.51411394	0	1.785711506	3.771016899
MIR483	MIR483	0	0	0.942754225	
KAT2B	KAT2B	2868.688347	4517.349898	1099.105432	
2160.792683					
DDX25	DDX25	1.171371313	1.015591254	0	0
MIR31HG	MIR31HG	0	1.015591254	27.67852834	19.79783872
MIR629	MIR629	0	1.015591254	2.678567259	0

SYT5	SYT5	1.171371313	0	0	0	
DUSP16	DUSP16	2787.863726	1659.476109		1163.391046	
1320.798669						
PPM1E	PPM1E	29.28428284	56.87311023		35.71423012	
13.19855915						
TMEM253	TMEM253	16.39919839	23.35859884		15.1785478	
19.79783872						
ICAM1	ICAM1	3214.242884	6239.792665		7251.774426	
6268.37284						
ERCC6	ERCC6	978.0950467	1124.259518		1294.640842	
1227.466001						
ERCC5	ERCC5	3339.579615	3587.068309		5147.313416	
4664.747904						
FOSL2	FOSL2	1020.264414	1475.654092		1074.105471	
961.6093092						
C9orf69	C9orf69	4510.950928	4542.739679		3224.99498	
3329.807922						
MEGF8	MEGF8	174.5343257	111.7150379		144.642632	
181.0088111						
YWHAH	YWHAH	14202.87718	22440.50435		11348.19662	
11165.03828						
TYR	TYR	2.342742627	0	0	0	
TPGS1	TPGS1	726.2502143	928.2504062		980.3556168	
691.9816009						
VWCE	VWCE	152.2782708	125.9333155		374.1065605	
32.05364364						
PATL1	PATL1	1413.845175	683.492914		634.8204404	
885.246217						
SLC25A41	SLC25A41		1.171371313		4.062365016	
6.249990271	41.48118589					
TMPRSS9	TMPRSS9	44.51210991	44.68601518		60.71419121	
54.67974503						
F3	F3	3.51411394	6.093547524		58.9284797	0
PITPNC1	PITPNC1	1862.480388	1231.912191		2485.710416	
3129.001272						
RAD54B	RAD54B	1573.151674	1484.794413		1058.034067	
1059.655749						
ZNF658	ZNF658	49.19759517	43.67042392		190.1782754	
180.0660569						
FAM134C	FAM134C	8595.522698	8480.186971		8233.022899	
7878.597056						
SESTD1	SESTD1	688.7663323	305.6929675		82.14272928	
565.6525348						
SURF2	SURF2	875.0143712	1209.569184		1015.176991	
888.0744797						
TMEM258	TMEM258	5148.176923	4711.327828		3857.136853	
4003.877192						
PDXP	PDXP	2769.121785	5513.644918		2640.174462	
2381.397172						
RPF2	RPF2	2584.045117	2837.561964		2632.13876	

2842.403988					
BMP7	BMP7	0	0	0	16.02682182
PPP4R2	PPP4R2	3290.38202		1814.861571	1509.819078
1438.642947					
RBM26	RBM26	3119.361808		2036.260464	2622.317347
2763.212633					
INVS	INVS	987.4660172		1176.054672	1146.426787
876.761429					
FUT8-AS1	FUT8-AS1			187.4194102	146.2451406
110.7141134		130.100083			
ILF3-AS1	ILF3-AS1			640.7401085	815.519777
1802.675765		1144.503629			
RASAL2	RASAL2	0	1.015591254	0.892855753	10.37029647
C2orf47	C2orf47	1423.216146		1398.469157	1126.78396
1271.775449					
HPS6	HPS6	2681.268937		2685.223276	2199.996575
2076.887557					
HHIPL2	HHIPL2	0	0	0	10.37029647
SHCBP1	SHCBP1	9246.805148		10504.26034	2591.067395
3774.787916					
DEF6	DEF6	13818.66738		17494.57494	8595.522334
9678.314871					
C1orf54	C1orf54	65.59679355		67.02902277	91.07128681
84.84788022					
SH3TC2	SH3TC2	0	0	0	3.771016899
TNS3	TNS3	618.4840535		29.45214637	26.78567259
603.3627038					
MRGPRX2	MRGPRX2	1.171371313		0	0
7.542033798					
SLC35G5	SLC35G5	0	0	6.249990271	8.484788022
TNS4	TNS4	90.19559114		27.42096386	53.57134518
54.67974503					
TMEM141	TMEM141	932.4115655		989.1858814	1233.926651
917.2998606					
CSRNP1	CSRNP1	2011.244545		2253.596993	3038.388128
2650.082126					
B3GALTL	B3GALTL	1235.796736		1170.976716	1194.640998
1077.568079					
ZBTB41	ZBTB41	303.3851702		206.1650246	431.2493287
445.9227483					
POLR2J4	POLR2J4	756.7058685		875.439661	883.0343397
916.3571064					
SCAND2P	SCAND2P	458.0061836		323.97361	958.034223
750.4323629					
LOC728554	LOC728554			899.6131687	2460.777609
1515.176213		873.9331663			
PKI55	PKI55	97.22381902		64.99784026	66.96418148
85.79063445					
WTIP	WTIP	4.685485254		1.015591254	0
2.828262674					
DCLK2	DCLK2	0	0	0.892855753	0
SNX32	SNX32	17.5705697		12.18709505	36.60708587

34.88190631				
GATSL2	GATSL2	141.7359289	52.81074521	53.57134518
69.76381263				
FOXN2	FOXN2	4152.511306	2618.194253	3013.388166
3847.379991				
DRG2	DRG2	3290.38202	4307.122508	2532.138916
2841.461233				
MORC3	MORC3	3425.089721	3566.756484	8832.129109
6232.54818				
LINC00309	LINC00309		11.71371313	13.2026863
18.74997081	16.02682182			
TTC21B-AS1	TTC21B-AS1		0	14.28569205
2.828262674				
MZT2A	MZT2A	3026.823474	3804.404838	1533.926184
1743.152562				
ADORA1	ADORA1	2.342742627	0	0
C21orf119	C21orf119		204.9899799	361.5504864
260.7138799	248.8871153			
DCAF13P3	DCAF13P3		29.28428284	8.124730032
24.99996108	22.62610139			
ALDH5A1	ALDH5A1	856.2724301	882.5487998	1410.71209
1406.589303				
ANKAR	ANKAR	111.2802748	55.85751897	197.3211214
140.4703795				
STAC3	STAC3	40.99799597	26.40537261	11.60712479
20.74059294				
WDSUB1	WDSUB1	226.0746635	142.1827756	418.7493482
440.2662229				
CPB2-AS1	CPB2-AS1		7.028227881	44.68601518
33.92851862	9.427542247			
MIR6884	MIR6884	44.51210991	35.54569389	19.64282657
41.48118589				
MIR8076	MIR8076	2.342742627	0	0
FAM50B	FAM50B	884.3853417	1057.230495	1125.891105
1039.85791				
SKAP2	SKAP2	1576.665788	762.7090318	673.2132378
1770.492434				
TM9SF2	TM9SF2	15894.33735	18276.58021	13589.26456
14360.03235				
HAR1B	HAR1B	0	6.093547524	24.10710533
				39.59567744
WNT10B	WNT10B	0	0	2.828262674
L3HYPDH	L3HYPDH	203.8186085	211.2429808	591.0705085
712.7221939				
AKR7A2P1	AKR7A2P1		4.685485254	7.109138778
10.71426904	0			
ITPK1-AS1	ITPK1-AS1		104.2520469	54.84192772
77.67845051	60.33627038			
ZNF248	ZNF248	460.3489262	269.1316823	549.1062881
667.4699911				
ARMC9	ARMC9	162.8206126	304.6773762	291.9638312

159.325464						
ZNF705E	ZNF705E	7.028227881	10.15591254	33.03566286		
5.656525348						
TTC12	TTC12	209.6754651	223.4300759	430.356473		
473.2626208						
IQCA1	IQCA1	0	4.062365016	10.71426904	14.14131337	
SREBF2	SREBF2	6573.735811	4736.717609	7813.380695		
9670.772837						
TMEM168	TMEM168	1176.056799	1077.542321	1343.747908		
1465.040065						
LOC100996634	LOC100996634		1.171371313	10.15591254		
3.571423012	19.79783872					
MIR639	MIR639	675.8812479	887.626756	594.6419315		
665.5844826						
GJA10	GJA10	3.51411394	2.031182508	0	0	
LHX4	LHX4	10.54234182	13.2026863	36.60708587		
15.0840676						
UQCRFS1	UQCRFS1	10278.78328	14537.17321	7756.237927		
8115.228366						
CCIN	CCIN	0	0	17.91233027		
NRR0S	NRR0S	242.4738619	140.1515931	43.7499319		
64.10728728						
FYC01	FYC01	1104.603149	705.8359216	952.6770885		
1333.054474						
ZNF853	ZNF853	29.28428284	3.046773762	149.1069108		
72.5920753						
SPTBN5	SPTBN5	40.99799597	18.28064257	45.5356434		
42.42394011						
SLC22A10	SLC22A10		0	0	0.942754225	
GABRA6	GABRA6	0	0	0.892855753	0	
MERTK	MERTK	78.481878	67.02902277	41.07136464		
148.9551675						
TACC3	TACC3	12364.99558	12310.99718	7036.59619		
8405.596668						
C1GALT1C1	C1GALT1C1		3168.559403	4495.00689		
2732.138604	2547.321915					
TSR3	TSR3	3701.533351	5932.068515	3939.279582		
3634.317536						
ZIK1	ZIK1	740.3066701	772.8649443	1013.39128		
953.1245212						
PANX1	PANX1	1317.792728	1451.279902	1138.391085		
1204.839899						
PTGFRN	PTGFRN	734.4498135	518.9671308	340.1780419		
568.4807975						
GRIK3	GRIK3	0	0	1.785711506	0	
CTBS	CTBS	2352.113597	1710.255672	2233.925094		
2171.16298						
NLRP11	NLRP11	0	2.031182508	0	0	
LOC101928404	LOC101928404		0	0	7.142846024	0
PIM3	PIM3	12610.98356	14758.5721	11661.58899		

10444.77406					
TMEM92	TMEM92	5.856856567	6.093547524	3.571423012	
2.828262674					
CEBPZ0S	CEBPZ0S	1604.778699	1234.958965	1747.318709	
1295.344305					
CCDC103	CCDC103	48.02622385	30.46773762	83.92844078	
16.02682182					
MGME1	MGME1	3143.960605	3907.995146	2371.42488	
2235.270267					
ARSB	ARSB	2078.01271	2095.164757	1291.069419	
1275.546466					
RMI2	RMI2	3278.668306	2752.252298	1550.890443	
2565.234245					
SNHG3	SNHG3	911.3268819	720.0541991	820.534437	
834.3374889					
MKX	MKX	0	0	66.96418148	0
BAIAP2L1	BAIAP2L1			40.99799597	30.46773762
330.3566286	212.1197006				
LOC256880	LOC256880			24.59879758	22.34300759
158.928324	17.91233027				
SNRPC	SNRPC	11553.23526	13953.20824	8302.665647	
8823.236789					
ZNF192P1	ZNF192P1		5.856856567	2.031182508	
19.64282657	7.542033798				
ZER1	ZER1	2851.117777	3543.397885	5447.312949	
4087.782318					
RGS18	RGS18	49.19759517	4.062365016	20.53568232	
28.28262674					
MIR103A2	MIR103A2		24.59879758	13.2026863	
38.39279738	47.13771124				
MIR29B2	MIR29B2	0	0	4.713771124	
TMEM158	TMEM158	0	6.093547524	6.249990271	1.885508449
HMGA1	HMGA1	9642.728652	8965.639591	4624.099945	
5815.850812					
LOC101926964	LOC101926964	0	0	0	3.771016899
ISX	ISX	0	4.062365016	0	0
MIR4274	MIR4274	0	0	2.828262674	
MIR4273	MIR4273	4.685485254	1.015591254	6.249990271	
6.599279573					
DDX10	DDX10	1824.996506	2323.672789	2001.782598	
2217.357937					
CYBB	CYBB	0	0	71.42846024	12.25580492
MPPED1	MPPED1	0	0	0.942754225	
FAM69C	FAM69C	1.171371313	0	0	0
TSTD1	TSTD1	1951.504608	2362.265257	2355.353476	
2421.935603					
FAM159A	FAM159A	59.73993699	79.21611782	150.8926223	
65.99279573					
CXCL2	CXCL2	0	1.015591254	0	0
MIR1539	MIR1539	0	0	0.892855753	0

MIR1537	MIR1537	1.171371313	0	0	0
MNS1	MNS1	8.199599194	5.07795627		2.678567259
11.3130507					
MIR3687-1	MIR3687-1		39.82662466		18.28064257
46.42849916	19.79783872				
MIR3685	MIR3685	1.171371313	0	1.785711506	0
MIR3684	MIR3684	0	0	0.942754225	
MIR3682	MIR3682	2.342742627	1.015591254	0	3.771016899
MIR3679	MIR3679	2.342742627	0	0	7.542033798
PRCD	PRCD	0	0	5.357134518	0
LOC401320	LOC401320		175.705697		108.6682642
178.5711506	159.325464				
MIR5194	MIR5194	0	0	0.942754225	
LINC01250	LINC01250		0	0	2.828262674
STX7	STX7	1409.15969	1279.64498		1084.81974
1431.100913					
FLJ37035	FLJ37035		64.42542224		57.88870148
26.78567259	65.99279573				
LINC00891	LINC00891		38.65525334		43.67042392
28.5713841	32.05364364				
LOC100132741	LOC100132741		38.65525334		43.67042392
28.5713841	32.05364364				
PIM2	PIM2	54879.91741	63063.13892		34980.30269
40146.24591					
LINC01088	LINC01088		3.51411394		4.062365016
11.60712479	11.3130507				
OR4N3P	OR4N3P	0	0.892855753		0
PRKY	PRKY	1201.826968	0	0	1433.929176
ATP8A2	ATP8A2	29.28428284	31.48332888		136.6069302
43.36669434					
CDC40	CDC40	1366.990323	1427.921303		1674.104537
1994.86794					
C14orf119	C14orf119		4998.241395		5912.772281
5781.241001	5098.414847				
ZNF354A	ZNF354A	200.3044946	284.3655511		1004.462722
1041.743418					
TAF15	TAF15	1083.518465	388.9714503		698.2131989
778.7149896					
CC2D1A	CC2D1A	2093.240537	2024.073369		1654.46171
1734.667773					
OR4K14	OR4K14	0	5.357134518		0
ITGAE	ITGAE	2591.073345	3585.037127		1618.74748
1553.658962					
OSGIN2	OSGIN2	2120.182077	2089.07121		2767.852834
2186.247047					
PEX7	PEX7	226.0746635	384.9090853		340.1780419
269.6277083					
PEX6	PEX6	350.2400227	2387.655038		3097.316607
534.5416454					
PEX12	PEX12	263.5585455	294.5214637		633.9275847

511.915544					
SETD8 SETD8	1240.482221	1201.444454	624.1061714		
880.5324459					
CRYGN CRYGN	0 0	0 0.942754225			
H2AFX H2AFX	5865.056166	5958.473888	2231.246527		
2719.845938					
H3F3A H3F3A	19814.91714	19613.0983	11744.62458		
12954.3858					
UBE2D2 UBE2D2	10011.71062	9763.894316	7049.989026		
6951.869653					
HIST3H3 HIST3H3	1.171371313	0 0	0.942754225		
NAP1L3 NAP1L3	65.59679355	106.6370817	424.9993384		
269.6277083					
NAIP NAIP	33.96976809	16.24946006	24.99996108		
28.28262674					
ECH1 ECH1	11313.10415	15670.57305	10303.55539		
10677.63435					
RNU6-19P	RNU6-19P	0 0	5.357134518 0		
RNU6-28P	RNU6-28P	0 0	0 0.942754225		
ANKDD1B ANKDD1B	10.54234182	8.124730032	1.785711506		
3.771016899					
COL27A1 COL27A1	0 3.046773762	7.142846024	7.542033798		
ZNF526 ZNF526	1347.07701	1223.787461	1305.355111		
1456.555277					
STAB1 STAB1	96.0524477	63.98224901	31.24995136		
61.27902461					
NUP205 NUP205	11154.96902	8294.333772	6676.775321		
7671.191127					
LARS LARS	7543.631259	8370.503116	8191.058678		
8283.981373					
TENM4 TENM4	0 5.07795627	0	0		
LOC100506603	LOC100506603	76.13913537	98.51235164		
234.821063	240.4023273				
FLJ31306	FLJ31306	800.0466071	441.7821955		
1013.39128	950.2962585				
GPR25 GPR25	160.4778699	39.60805891	95.53556557		
123.5008034					
PAPOLB PAPOLB	0 0	3.571423012	0		
GRAMD4 GRAMD4	2595.758831	2248.519036	658.9275457		
1163.358713					
MIR6856 MIR6856	8.199599194	19.29623383	2.678567259		
5.656525348					
MIR7974 MIR7974	1.171371313	0 0.892855753	0		
MIR6855 MIR6855	12.88508445	7.109138778	9.821413283		
13.19855915					
MIR6854 MIR6854	5.856856567	0 0	4.713771124		
SNRPG SNRPG	15118.88954	15153.6371	9430.342464		
9970.568681					
RPS9 RPS9	6362.888975	7979.500483	7094.631814		
6589.852031					

NCF1	NCF1	37.48388203	108.6682642	115.1783921		
99.93194782						
DLEU1-AS1	DLEU1-AS1		1.171371313	0	0	0
YBX3P1	YBX3P1	2.342742627	0	0	4.713771124	
LMOD2	LMOD2	0	2.031182508	0	0	
PRR15L	PRR15L	2.342742627	4.062365016	4.464278765		0
TSGA10IP	TSGA10IP		0	3.046773762	0	0
MIR302B	MIR302B	0	2.031182508	7.142846024	0.942754225	
URAHP	URAHP	36.31251072	75.1537528	207.1425347		
229.0892766						
IGF1R	IGF1R	223.7319209	29.45214637	775.8916494		
384.6437237						
GALNT1	GALNT1	7051.655307	5369.43096	4458.028775		
4624.209472						
ATP5J2-PTCD1	ATP5J2-PTCD1		9381.512849	11742.26608		
7775.880753	7757.924515					
EXTL1	EXTL1	2.342742627	5.07795627	0	5.656525348	
MMP19	MMP19	127.6794732	58.90429273	70.53560449		
79.19135488						
TUBG2	TUBG2	181.5625536	162.4946006	372.320849		
463.8350786						
KHSRP	KHSRP	3669.906325	759.662258	683.9275068		
843.7650311						
CPSF2	CPSF2	5701.064183	5950.349157	4448.207362		
4920.234299						
RAP1GAP2	RAP1GAP2		461.5202975	218.3521196		
98.21413283	53.73699081					
MIR26A2	MIR26A2	5.856856567	3.046773762	0	0	
ZNF518B	ZNF518B	1154.972115	793.1767694	1329.462216		
1355.680575						
ZBTB20-AS1	ZBTB20-AS1		14.05645576	22.34300759		
115.1783921	79.19135488					
CLLU1	CLLU1	2.342742627	4.062365016	8.92855753		0
CXorf65	CXorf65	209.6754651	293.5058724	326.7852056		
265.8566914						
GTF2H2C	GTF2H2C	733.2784422	885.5955735	673.2132378		
960.666555						
ILDR2	ILDR2	181.5625536	99.5279429	53.57134518		
159.325464						
SFT2D2	SFT2D2	1556.752476	1262.379929	949.9985212		
1235.950789						
ZNF256	ZNF256	346.7259088	332.0983401	641.9632864		
507.2017729						
FOXD1	FOXD1	1.171371313	6.093547524	0.892855753		
3.771016899						
TMEM102	TMEM102	911.3268819	1370.032602	903.5700221		
968.2085888						
SULT2A1	SULT2A1	0	0	0.942754225		
HIST1H2BE	HIST1H2BE		9.370970508	9.140321286		
1.785711506	8.484788022					

GOLGA2P5	GOLGA2P5	230.7601488	99.5279429	
179.4640064	146.1269048			
PLIN5 PLIN5	1.171371313	1.015591254	7.142846024	
8.484788022				
MTG2 MTG2	1489.984311	1824.001892	2304.460699	
1808.202603				
NHP2 NHP2	7558.859086	11337.04517	7862.487761	
7661.763584				
QSER1 QSER1	237.7883766	113.7462205	278.5709949	
258.3146576				
MEIS3 MEIS3	0 0	1.785711506	2.828262674	
GRIPAP1 GRIPAP1	2616.843514	2148.991094	2477.674715	
2375.740646				
PRDM9 PRDM9	0 0	0 0.942754225		
ATP6V0D1	ATP6V0D1	7811.875289	10988.69737	
6529.454122	5395.382428			
ERI3 ERI3	2039.357457	2739.049612	1862.497101	
1785.576502				
TIFA TIFA	2589.901974	1981.418537	2849.102708	
3643.745079				
SCGB3A1 SCGB3A1	0 3.046773762 0	0	0	
MIR4800 MIR4800	106.5947895	125.9333155	125.8926612	
154.6116929				
MIR5047 MIR5047	1126.859204	673.3370014	2097.318164	
2446.447213				
MIR4804 MIR4804	2.342742627	0 0	0	
VWA8-AS1	VWA8-AS1	5.856856567	2.031182508	
41.96422039	0			
MRPL22 MRPL22	4793.251415	5500.442232	3508.923109	
3955.796727				
TRIM28 TRIM28	11456.01145	13087.92449	11071.41134	
10848.27286				
GPR12 GPR12	0 0	1.785711506	0	
MY01F MY01F	20222.55436	21443.19374	2563.388867	
5663.124628				
FAHD2B FAHD2B	855.1010588	1153.711665	771.4273706	
949.3535043				
BECN1 BECN1	8813.397762	10369.1867	8874.093329	
9362.492206				
FAM114A2	FAM114A2	1738.315029	1821.97071	
1683.033094	2058.032473			
INTS3 INTS3	3355.978813	2938.105498	2820.531324	
2620.856745				
NT5C2 NT5C2	7141.850898	6414.474361	4117.850733	
5341.645437				
C9orf114	C9orf114	4951.386542	6648.060349	
5394.63446	5340.702683			
DNAJB13 DNAJB13	9.370970508	19.29623383	14.28569205	
8.484788022				
LINC01097	LINC01097	2.342742627	0 0 0	

ZNF705G	ZNF705G	1.171371313	0	0	0	
C6orf132	C6orf132	3.571423012	1.171371313	5.07795627		
CBY3	CBY3	20.74059294	7.109138778	41.07136464		
ANKRD31	ANKRD31	85.79063445	18.28064257	85.71415229		
MIR4637	MIR4637	4.685485254	2.031182508	0	0	
MIR4633	MIR4633	1.171371313	1.015591254	0	1.885508449	
MIR4632	MIR4632	108.4167358	254.9134048	65.17846997		
ROGDI	ROGDI	413.8691047	780.9896744	391.0708198		
C15orf54	C15orf54	13.19855915	0	4.062365016	0	
DNAH10	DNAH10	15.0840676	35.54569389	47.32135491		
FAM223B	FAM223B	6.599279573	1.015591254	4.464278765		
FLJ36777	FLJ36777	15.1785478	4.685485254	2.031182508		
LOC283788	LOC283788	3458.923187	2375.541024	3150.36407		
MIR4308	MIR4308	2.342742627	1.015591254	7.142846024	0	
RPS6	RPS6	30933.65162	31679.33799	34637.44608		
OR6C68	OR6C68	2.342742627	0	0	0	
TRPA1	TRPA1	41.48118589	6.093547524	16.96425931		
LOC100130075	LOC100130075	475.1481293	2.342742627	0	0	0
SCARB1	SCARB1	475.1481293	612.4015262	371.4279933		
FUOM	FUOM	854.1353276	498.6553057	618.7490368		
LOC101928303	LOC101928303	3.571423012	5.856856567	4.062365016		
OGFR	OGFR	6277.800382	5846.75885	9816.949005		
SIX3	SIX3	0	43.67042392	1.785711506	0	
NID2	NID2	42.42394011	49.19759517	124.9177242	104.4641231	
BGLAP	BGLAP	207.4059294	141.1671843	125.8926612		
CCDC80	CCDC80	5.357134518	3.046773762	0	0	
LINC01227	LINC01227	5.357134518	5.856856567	3.046773762		
ZNF497	ZNF497	343.1625378	215.3053459	454.4635783		
AP00L	AP00L	308.2806315	405.2209104	253.5710339		

RPS4Y1	RPS4Y1	4582.404578	0	0	4773.16464
RPL7A	RPL7A	10878.52539	13143.78201		11249.08963
		10951.03307			
TMTC1	TMTC1	29.28428284	7.109138778		4.464278765
SIGLEC14	SIGLEC14		1.171371313		0
		3.771016899			2.678567259
SDR42E1	SDR42E1	250.6734611	611.3859349		390.1779641
		502.4880018			
THAP6	THAP6	996.8369878	855.1278359		1391.069263
		1438.642947			
SLM02	SLM02	5180.975319	4176.111237		4025.88659
		3909.60177			
ZNRF2	ZNRF2	1013.236186	1351.751959		1370.533581
		1368.879134			
ESRP2	ESRP2	279.9577439	168.5881482		143.7497762
		191.3791076			
TMEM69	TMEM69	1823.825135	2122.585721		2351.782053
		2368.198612			
VTA1	VTA1	6718.985854	7636.230639		7725.880831
		7295.032191			
LACTB2	LACTB2	1031.978127	916.0633112		1158.033912
		1130.362315			
RBMX2	RBMX2	810.5889489	768.8025793		582.141951
		732.5200326			
PCED1A	PCED1A	185.0766675	165.5413744		470.5349818
		444.0372398			
C11orf31	C11orf31		5077.894644		7919.580599
		4881.242402			
LYPLA2P2	LYPLA2P2		2.342742627		5.07795627
		2.678567259			
MLK7-AS1	MLK7-AS1		547.0304034		615.4483
		147.3211993			
LOC653712	LOC653712		21.08468364		22.34300759
		44.64278765			
ANGEL1	ANGEL1	1266.25239	1370.032602		2412.496245
		1921.33311			
OXCT2	OXCT2	14.05645576	9.140321286		10.71426904
		16.02682182			
MAP10	MAP10	169.8488405	146.2451406		135.7140745
		196.0928787			
RIMS2	RIMS2	2.342742627	3.046773762		0.892855753
		0.942754225			
GAB2	GAB2	339.6976809	257.9601785		87.4998638
		91.4471598			
FAIM2	FAIM2	29.28428284	10.15591254		37.49994163
		76.3630922			
TIMM44	TIMM44	1451.329057	1764.082008		1908.9256
		1573.456801			
CENPF	CENPF	5402.364498	4861.635333		1596.426086
		3010.21424			

MACF1	MACF1	8365.933921	4701.171915	3601.780108	
5044.677856					
SLC27A4	SLC27A4	1819.13965	1686.897073	990.1770301	
879.5896917					
NNMT	NNMT	0	1.015591254	0	0
LOC100129935	LOC100129935	0	1.015591254	0	0
SNORD8	SNORD8	11.71371313	2.031182508	11.60712479	
16.96957604					
WAC-AS1	WAC-AS1	496.6614369	492.5617582	730.356006	
741.9475749					
MIR659	MIR659	2.342742627	0	2.678567259	0
SPRNP1	SPRNP1	0	4.062365016	0	0
CTGLF12P	CTGLF12P		8.199599194	4.062365016	
2.678567259	5.656525348				
GYG2P1	GYG2P1	0	0	2.828262674	
LOC389705	LOC389705		4.685485254	5.07795627	
45.5356434	15.0840676				
SNORD121A	SNORD121A		1.171371313	2.031182508	0
0.942754225					
CTNNAL1	CTNNAL1	1937.448152	1829.079849	944.6413867	
842.8222769					
GUSBP4	GUSBP4	284.6432292	287.4123249	441.9635978	
542.0836792					
LOC101060321	LOC101060321		69.11090749	30.46773762	
64.28561422	82.01961755				
XRCC6P5	XRCC6P5	0	2.031182508	0	0
LINC01194	LINC01194		2.342742627	0	0
2.828262674					
NLRP6	NLRP6	154.6210134	237.6483534	752.6773998	
586.3931278					
REX04	REX04	1741.829143	2639.521669	2963.388244	
2362.542087					
ZNF730	ZNF730	91.36696245	14.21827756	3.571423012	
36.76741476					
SPR	SPR	115.96576	154.3698706	283.0352737	
197.035633					
OARD1	OARD1	1846.08119	2116.492173	2545.531752	
2618.028482					
TNFAIP8L3	TNFAIP8L3		1.171371313	26.40537261	
19.64282657	64.10728728				
TOMM20L	TOMM20L	98.39519033	67.02902277	76.78559476	
113.130507					
ANGPTL2	ANGPTL2	0	2.031182508	0	0
DPF3	DPF3	127.6794732	88.3564391	33.92851862	
21.68334717					
APOBEC3G	APOBEC3G		11625.86029	17571.75988	
7063.381862	6884.934103				
ZNF571-AS1	ZNF571-AS1		77.31050669	71.09138778	
188.3925639	152.7261844				
LOC286059	LOC286059		8.199599194	5.07795627	

38.39279738	0				
LINC01342	LINC01342	0	0	3.571423012	0
TWF1 TWF1	1616.492413	1573.150853		1575.890404	
1857.225823					
MIR3199-1	MIR3199-1	0	0	3.571423012	0
MIR3198-1	MIR3198-1	3.51411394		1.015591254	
5.357134518	5.656525348				
RAB30-AS1	RAB30-AS1	325.6412251		381.8623115	
514.2849137	378.0444441				
FAM78B FAM78B	2.342742627	36.56128515	0	9.427542247	
AASS AASS	241.3024906	128.9800893		88.39271955	
264.9139371					
C11orf58	C11orf58	10359.6079		10157.94372	
10138.37708	11253.65718				
SF3B6 SF3B6	5464.447177	5110.45519		4638.385637	
5009.79595					
LMAN1 LMAN1	9980.083591	11089.2409		7880.344876	
9703.769235					
NCCRP1 NCCRP1	0 0	1.785711506		2.828262674	
C14orf169	C14orf169	2341.571256		3142.23934	
3700.887096	3189.337542				
PDZD11 PDZD11	2006.55906	2266.799679		1198.212421	
1243.492822					
RENBP RENBP	126.5081019	67.02902277		218.7496595	
122.5580492					
ZMYM4 ZMYM4	2354.45634	1818.923936		1601.783221	
2106.112938					
MIR421 MIR421	10.54234182	4.062365016		1.785711506	
4.713771124					
LOC439994	LOC439994	103.0806756		211.2429808	
264.2853029	103.7029647				
CD180 CD180	52.71170911	77.18493531		1.785711506	
7.542033798					
LOC100192426	LOC100192426	1.171371313		1.015591254	0
0.942754225					
TMEM45B TMEM45B	4.685485254	57.88870148		614.2847581	
272.4559709					
WIZ WIZ	189.7621528	98.51235164		165.1783143	
106.5312274					
EHD1 EHD1	8955.133691	10058.41578		7066.060429	
6591.737539					
LOC102724601	LOC102724601	48.02622385		43.67042392	
66.96418148	28.28262674				
PAN3-AS1	PAN3-AS1	63.25405093		51.79515396	
116.9641036	45.25220279				
VKORC1L1	VKORC1L1	1675.060978		875.439661	
583.0348067	886.1889712				
LEF1-AS1	LEF1-AS1	841.0446031		987.1546989	
1726.783026	1332.11172				
FAM160A1	FAM160A1	0	0	1.785711506	

21.68334717				
LOC100128398	LOC100128398	62.08267961	53.82633646	
191.0711311	131.0428372			
BEND3 BEND3	278.7863726	164.5257832	166.9640258	
129.1573288				
TRIM72 TRIM72	0 1.015591254 0	0		
PALM2 PALM2	26.94154021	1.015591254	0	16.02682182
LOC728613	LOC728613	112.4516461	108.6682642	
180.3568621	182.8943196			
BCAS2 BCAS2	3790.55757	4672.73536	4100.886474	
4029.331556				
BTBD6 BTBD6	2368.512796	3872.449452	2309.817833	
2399.309502				
RNASET2 RNASET2	3292.724762	2465.855565	4179.45778	
5618.815179				
NDUFA6 NDUFA6	7561.201828	8796.035851	5915.169364	
5802.652253				
PLCG1 PLCG1	7151.221869	2115.476582	2374.996303	
2707.590133				
PTOV1 PTOV1	2456.365644	2859.904971	3237.49496	
2658.566914				
CA11 CA11	44.51210991	19.29623383	183.0354294	
117.8442781				
DUOX2 DUOX2	0 0	0 0.942754225		
HCN2 HCN2	10.54234182	1.015591254	0.892855753	
5.656525348				
CCDC19 CCDC19	16.39919839	53.82633646	20.53568232	
10.37029647				
PTF1A PTF1A	0 0	0.892855753	0	
PDZD2 PDZD2	26.94154021	8.124730032	73.21417175	
20.74059294				
AGMAT AGMAT	1653.976295	1767.128782	882.141484	
1181.271044				
MMRN2 MMRN2	10.54234182	2.031182508	0 0	
EIF3J-AS1	EIF3J-AS1	347.8972801	272.1784561	
808.9273122	691.9816009			
FAM127A FAM127A	886.7280843	1045.0434	934.8199734	
1131.30507				
LOC101927416	LOC101927416	0 0	0 0.942754225	
CCDC157 CCDC157	487.2904664	414.3612317	369.6422818	
389.3574948				
ME1 ME1	70.28227881	12.18709505	57.14276819	
95.2181767				
NBEAL1 NBEAL1	404.1231031	226.4768497	341.9637534	
353.5328343				
MIR637 MIR637	4.685485254	4.062365016	0.892855753	
0.942754225				
MIR636 MIR636	2353.284969	3629.723142	2159.818067	
2099.513658				
MIR635 MIR635	2.342742627	4.062365016	0	14.14131337

MIR632	MIR632	586.857028	574.8246498	389.2851083	
483.6329173					
MIR631	MIR631	0	4.062365016	4.464278765	2.828262674
LINC00184	LINC00184	0	0	9.821413283	
2.828262674					
LOC389247	LOC389247		21.08468364	15.23386881	
36.60708587	43.36669434				
MIR564	MIR564	51.54033779	56.87311023	76.78559476	
60.33627038					
MIR558	MIR558	0	1.015591254	2.678567259	0
MIR555	MIR555	11.71371313	8.124730032	43.7499319	
35.82466054					
RANBP10	RANBP10	2198.663955	2367.343213	1691.068796	
1754.465612					
SLAIN2	SLAIN2	3699.190608	3108.724829	3081.245204	
3124.287501					
STEAP1	STEAP1	2.342742627	15.23386881	0	24.51160984
SULT1E1	SULT1E1	0	0	1.885508449	
MRPL53	MRPL53	1915.192098	1783.378242	1216.962391	
1061.541257					
NDUFB1	NDUFB1	3849.126136	3189.972129	2314.282112	
2197.560098					
MIR718	MIR718	1.171371313	9.140321286	6.249990271	
3.771016899					
MIR2277	MIR2277	50.36896648	62.96665775	45.5356434	
64.10728728					
MIR2276	MIR2276	7.028227881	14.21827756	4.464278765	
1.885508449					
LMNB2	LMNB2	9999.996903	10308.25123	4681.242713	
5266.225099					
MIAT	MIAT	5260.628569	1021.684802	1508.033367	
2409.679798					
DLGAP1-AS4	DLGAP1-AS4	0	0	1.785711506	0
YTHDF3-AS1	YTHDF3-AS1	44.64278765	45.68348122	46.71719769	
44.64278765	42.42394011				
SLC10A1	SLC10A1	0	7.109138778	17.85711506	3.771016899
INHBA	INHBA	0	1.015591254	0	85.79063445
IL17A	IL17A	472.0626393	26.40537261	5.357134518	
1466.925574					
ZNF649	ZNF649	501.3469222	394.0494066	1049.10551	
954.0672754					
POLG2	POLG2	543.5162894	585.9961536	636.6061519	
606.1909665					
PROSER3	PROSER3	531.8025763	263.0381348	293.7495427	
351.6473258					
MIR1244-1	MIR1244-1		8910.621581	8917.906802	
7433.024144	7996.441334				
C17orf47	C17orf47		1.171371313	6.093547524	0
	21.68334717				
PDIA5	PDIA5	397.0948753	654.0407676	261.6067356	

374.2734272						
LINC00942	LINC00942		2.342742627	0	0	0
LOC100422737	LOC100422737		0	0	7.142846024	0
DKFZp779M0652	DKFZp779M0652		0	3.046773762	7.142846024	
	5.656525348					
NKAPP1	NKAPP1	50.36896648	49.76397145		141.9640647	
	116.9015239					
LOC646719	LOC646719		215.5323217		167.5725569	
	269.6424374	425.1821553				
KLF3	KLF3	5491.388718	3907.995146		3885.708237	
	3478.763089					
CCDC6	CCDC6	1234.625364	735.2880679		767.8559476	
	1209.55367					
LAD1	LAD1	0	0	0	20.74059294	
MKL2	MKL2	689.9377036	316.8644713		241.9639091	
	501.5452475					
ASF1A	ASF1A	5945.880787	8650.806302		8841.950522	
	5764.942084					
SUCLA2	SUCLA2	4712.426794	5229.279367		2768.74569	
	3496.675419					
ZZEF1	ZZEF1	2206.863555	901.8450336		1810.711467	
	1601.739428					
MIR148B	MIR148B	0	0	0	1.885508449	
MIR17HG	MIR17HG	65.59679355	40.62365016		92.85699832	
	79.19135488					
CCNL1	CCNL1	3716.761178	2717.722196		5697.31256	
	5432.149843					
NDUFS5	NDUFS5	10972.23509	8630.494477		5472.31291	
	7522.235959					
DOCK2	DOCK2	26033.72744	23078.29566		10623.19775	
	15690.25856					
SLPI	SLPI	0	0	0	2.828262674	
S100A7	S100A7	0	0	3.571423012	0	
SLIT3	SLIT3	1.171371313	1.015591254		0	0
TAAR3	TAAR3	0	2.031182508	0	0	
ADAM21	ADAM21	0	3.046773762	17.85711506	12.25580492	
SMC04	SMC04	3415.71875	3109.74042		720.5345927	
	1515.948793					
SFT2D3	SFT2D3	449.8065844	495.608532		560.7134129	
	638.2446101					
TRPV5	TRPV5	0	0	0.892855753	0	
MIR553	MIR553	0	1.015591254	0.892855753	0	
KCNH3	KCNH3	92.53833376	46.71719769		217.8568037	
	145.1841506					
SGMS1	SGMS1	3446.174404	3608.395726		1674.104537	
	1965.642559					
LSG1	LSG1	4236.850041	5292.246025		6039.276313	
	4382.864391					
MIR1256	MIR1256	1.171371313	0	0.892855753	2.828262674	
PRKCH	PRKCH	21432.58092	23241.80585		14826.76263	

16244.59805						
CYSTM1	CYSTM1	417.0081876		743.412798		1058.034067
793.7990572						
UNC80	UNC80	0	0	20.53568232		0
ADAM30	ADAM30	0	0	0	0.942754225	
ACE2	ACE2	2.342742627		0	6.249990271	0
DDN	DDN	0	9.140321286	0.892855753		1.885508449
SRGAP2	SRGAP2	2575.845518		2165.240554		1216.962391
1270.832695						
SPAG5	SPAG5	13849.12304		15023.64142		4639.278493
6860.422493						
PMVK	PMVK	3951.03544		5443.569122		2622.317347
2882.942419						
LOC100506472	LOC100506472			38.65525334		32.49892013
62.49990271	23.56885562					
HINT2	HINT2	3058.450499		3453.010264		2050.889665
2025.036075						
UBLCP1	UBLCP1	3587.910333		3720.110764		3281.244892
3636.203045						
RNF5P1	RNF5P1	12.88508445		16.24946006		16.07140355
5.656525348						
LOC90784	LOC90784			151.1068994		95.46557788
70.53560449	123.5008034					
FLJ36000	FLJ36000			0	0	6.249990271
GOLGA1	GOLGA1	620.8267961		631.69776		1077.676894
1008.74702						
ZSCAN12P1	ZSCAN12P1			43.3407386		35.54569389
30.3570956	34.88190631					
BTNL10	BTNL10	4.685485254		0	20.53568232	16.96957604
NPTXR	NPTXR	24.59879758		11.17150379		95.53556557
56.56525348						
MCF2L2	MCF2L2	152.2782708		107.6526729		149.9997665
160.2682182						
CCDC18	CCDC18	978.0950467		588.0273361		354.463734
671.241008						
AS3MT	AS3MT	11.71371313		14.21827756		20.53568232
15.0840676						
ARHGAP44	ARHGAP44			28.11291152		22.34300759
37.49994163	32.99639787					
TBC1D24	TBC1D24	399.4376179		174.6816957		150.8926223
148.0124133						
GPR141	GPR141	0	0	6.249990271		0.942754225
SH3GL1P2	SH3GL1P2			0	4.062365016	0
SH3GL1P1	SH3GL1P1			21.08468364		10.15591254
8.035701777	13.19855915					
ATF7IP	ATF7IP	6841.979842		5770.589506		11794.6245
8962.764414						
IL36G	IL36G	0	0	0	1.885508449	
ANKRA2	ANKRA2	1065.947895		1057.230495		1935.711273
1682.816291						

ZNF141	ZNF141	461.5202975	414.3612317	891.0700415	
836.2229973					
EMP3	EMP3	12014.75556	16203.75846	6882.132144	
6877.392069					
ZNF136	ZNF136	957.0103631	754.5843018	3240.173528	
2340.85874					
FUBP1	FUBP1	6383.973658	5572.549211	4825.885345	
5682.922467					
ZBTB3	ZBTB3	557.5727452	646.9316288	579.4633837	
518.5148236					
MAGOHB	MAGOHB	2779.664127	2496.323302	2308.032122	
2534.123356					
ANO1	ANO1	0	0	2.678567259	0
TRMT12	TRMT12	384.2097908	409.2832754	490.1778084	
468.5488497					
MIR621	MIR621	7.028227881	11.17150379	8.035701777	
6.599279573					
MIR548C	MIR548C	3.51411394	2.031182508	0	0.942754225
MIR613	MIR613	3.51411394	0	0	5.656525348
MIR612	MIR612	2.342742627	0	0	3.771016899
MIR611	MIR611	974.5809328	921.1412674	849.9986769	
824.9099466					
BBS10	BBS10	313.927512	215.3053459	466.9635588	
472.3198666					
PALB2	PALB2	1832.024734	1705.177716	1384.819273	
1595.140148					
MAP1S	MAP1S	2883.916174	3475.353271	2511.603233	
2557.692212					
PCDHGB6	PCDHGB6	0	14.21827756	24.10710533	12.25580492
GPS2	GPS2	6152.042138	7248.27478	7266.952974	
6501.233134					
SNORA5A	SNORA5A	16.39919839	13.2026863	36.60708587	
38.65292321					
SNORA71E	SNORA71E		10.54234182	14.21827756	
37.49994163		23.56885562			
BAHCC1	BAHCC1	0	3.046773762	0	0
LINC00158	LINC00158		9.370970508	5.07795627	
58.03562395		41.48118589			
RAET1K	RAET1K	7.028227881	11.17150379	47.32135491	
25.45436407					
CLUHP3	CLUHP3	502.5182935	254.9134048	997.3198761	
1590.426377					
GRK5	GRK5	865.6434006	1282.691754	775.8916494	
527.9423658					
MIR1206	MIR1206	1.171371313	1.015591254	0.892855753	0
MIR1204	MIR1204	121.8226166	226.4768497	216.0710922	
93.33266825					
MIR1231	MIR1231	0	0	1.885508449	
MIR1226	MIR1226	35.1411394	46.71719769	30.3570956	
43.36669434					

MIR1200	MIR1200	2.342742627	2.031182508	0	0
TSPAN18	TSPAN18	217.8750643	296.5526462	212.4996692	
159.325464					
NEURL2	NEURL2	26.94154021	21.32741634	89.2855753	
73.53482953					
SACM1L	SACM1L	4218.1081	4761.091799	4141.957838	
4769.393623					
AGPS	AGPS	5301.626565	5465.912129	2683.924394	
4067.98448					
TMEM33	TMEM33	4181.795589	3992.28922	2674.10298	
2684.964032					
PLCD3	PLCD3	96.0524477	46.71719769	23.21424958	
35.82466054					
CXorf21	CXorf21	1400.960091	1980.402945	594.6419315	
864.5056241					
NKTR	NKTR	2167.03693	1620.883641	3141.959395	
3134.657797					
FAR2P1	FAR2P1	0	0	2.828262674	
LINC00471	LINC00471	70.53560449	7.028227881	16.24946006	
27.33987252					
XXYLT1	XXYLT1	588.0283994	707.8671041	636.6061519	
619.3895256					
FCRL2	FCRL2	0	0	4.713771124	
MAF1	MAF1	8464.329111	10879.01351	10503.55508	
9687.742413					
TERC	TERC	43.3407386	27.42096386	7.142846024	
19.79783872					
LOC100132111	LOC100132111	604.4633448	326.8125965	509.8268095	
732.5200326					
FRMD7	FRMD7	1.171371313	0	0	0.942754225
NPB	NPB	4.685485254	11.17150379	6.249990271	
8.484788022					
SPNS3	SPNS3	190.9335241	216.3209371	184.8211409	
194.2073703					
SLFNL1	SLFNL1	35.1411394	20.31182508	75.89273901	
9.427542247					
FAM106CP	FAM106CP	13.19855915	1.171371313	0	0
FKBP1AP1	FKBP1AP1	41.07136464	17.5705697	10.15591254	
38.65292321					
FAM83E	FAM83E	3.51411394	3.046773762	32.14280711	0
MYLPF	MYLPF	12.88508445	17.26505132	45.5356434	
23.56885562					
LINC00475	LINC00475	0	0	3.046773762	0.892855753
0					
LOC100507419	LOC100507419	307.142379	666.5102774	638.8068988	
467.6060955					
ERAL1	ERAL1	5977.507813	9414.530925	5568.741332	
5012.624213					
RBM33	RBM33	2232.633723	1967.200259	2725.888614	

2877.285894				
STARD3NL	STARD3NL		2764.4363	2976.697966
2164.282345	2202.273869			
GCNT7 GCNT7	49.19759517		30.46773762	47.32135491
60.33627038				
TNFRSF13C	TNFRSF13C		4.685485254	0 11.60712479
16.96957604				
ARID3C ARID3C	3.51411394		7.109138778	0 0.942754225
DEAR DEAR	176.8770683		218.3521196	208.0353905
196.0928787				
SPRN SPRN	189.7621528		197.0247033	205.3568232
161.2109724				
C14orf183	C14orf183		7.028227881	7.109138778
19.64282657	9.427542247			
TSSK6 TSSK6	84.33873457		51.79515396	143.7497762
178.1805485				
GPR61 GPR61	3.51411394	0 0		0.942754225
HMCN1 HMCN1	2.342742627		11.17150379	2.678567259
0.942754225				
TMPRSS6 TMPRSS6	42.16936728		72.10697904	140.1783532
113.130507				
TMEM155 TMEM155	1.171371313	0 0		0
CUTC CUTC	1931.591296		2282.033548	2297.317853
2513.382763				
C3orf33 C3orf33	101.9093043		104.6058992	244.6424763
199.8638956				
ZNF786 ZNF786	748.5062693		700.7579653	1552.676155
1224.637738				
MRPL48 MRPL48	1839.052962		3344.342	2261.603622
1626.251038				
BHLHE22 BHLHE22	2.342742627		1.015591254	0 0.942754225
SLC25A5 SLC25A5	26519.84654		36665.89105	16322.29602
18936.16136				
SLC25A4 SLC25A4	335.0121956		656.0719501	1211.605257
724.9779988				
GDPGP1 GDPGP1	63.25405093		95.46557788	84.82129654
98.04643937				
CCDC79 CCDC79	1.171371313	0 10.71426904 0		
MSMP MSMP	409.9799597		317.8800625	324.9994941
312.9944026				
FAM102A FAM102A	8251.139532		8347.144517	12158.01679
10775.68079				
PPP2CB PPP2CB	378.3529342		184.8376082	260.7138799
196.0928787				
MILR1 MILR1	0 0	0 2.828262674		
MYLK2 MYLK2	2.342742627		9.140321286	0 0
RBM27 RBM27	4166.567762		4385.323035	3811.60121
4285.760706				
11-Sep 11-Sep	4397.327911		4183.220375	2280.353593
2865.972843				

LDOC1L	LDOC1L	844.558717	804.3482732	1655.354566
1200.126128				
FZD1	FZD1	70.28227881	36.56128515	12.49998054
64.10728728				
SOAT2	SOAT2	14.05645576	18.28064257	3.571423012
31.11088942				
ZNF282	ZNF282	730.9356996	253.8978135	124.1069497
247.9443611				
RPL12	RPL12	8132.831029	7994.734352	9864.270359
8488.559039				
BST2	BST2	12513.75974	16732.8815	15087.47651
11595.87696				
FER1L6	FER1L6	2.342742627	0	0
SFR1	SFR1	836.3591178	709.8982866	823.2130043
809.825879				
FRA10AC1	FRA10AC1		619.6554248	544.3569122
678.5703723	811.7113875			
GEM	GEM	89.02421982	52.81074521	133.928363
68.8210584				
ZBTB7C	ZBTB7C	25.7701689	28.43655511	72.321316
32.05364364				
VWA5B2	VWA5B2	9.370970508	0	30.3570956
PIK3CA	PIK3CA	2874.545203	2307.423329	7.542033798
3119.57373				3471.423168
PPAT	PPAT	3083.049297	2961.464097	2507.138955
2984.759875				
FAM171A2	FAM171A2		0	7.109138778
8.484788022				29.46423985
SPTY2D1	SPTY2D1	4960.757513	3885.652138	2391.960562
2692.506066				
ZNF93	ZNF93	524.7743484	404.2053191	724.9988715
741.0048206				
BHLHE41	BHLHE41	0	0	28.5713841
MAP2K2	MAP2K2	5908.396905	6794.30549	0.942754225
4490.338372				3665.172866
NRG4	NRG4	3.51411394	4.062365016	1.785711506
1.885508449				
BCL10	BCL10	1998.359461	2181.490014	1899.104187
2029.749846				
MSANTD1	MSANTD1	9.370970508	1.015591254	0
ZNF98	ZNF98	0	1.015591254	0
ZNF354C	ZNF354C	182.7339249	83.27848283	2.678567259
278.1124963				1.885508449
ZNF812	ZNF812	0	0	7.142846024
OTUD1	OTUD1	2612.158029	2480.073842	9.427542247
1882.680187				1740.175863
SMAD5	SMAD5	406.4658458	605.2923874	741.9631308
636.3591017				
TIPRL	TIPRL	4604.660633	4973.350371	3513.387388
4092.496089				

RPUSD2	RPUSD2	1643.433953	2387.655038	2052.675376
2134.395565				
LOC100130357	LOC100130357		37.48388203	13.2026863
43.7499319	85.79063445			
GRPEL2	GRPEL2	2225.605496	1704.162124	1633.926028
1866.653365				
TMEM263	TMEM263	2484.478556	2116.492173	3045.530974
3114.859958				
C7orf13	C7orf13	153.4496421	215.3053459	130.3569399
183.8370738				
ZNF784	ZNF784	122.9939879	64.99784026	101.7855558
56.56525348				
BLVRA	BLVRA	2395.454336	3125.98988	1808.925756
2255.068106				
ELOF1	ELOF1	3876.067676	5210.998725	3126.780847
3010.21424				
KBTBD11	KBTBD11	757.8772398	451.9381081	304.4638118
506.2590187				
LCN6	LCN6	0	2.031182508	0
4.713771124				
PAIP2B	PAIP2B	93.70970508	125.9333155	344.6423207
251.715378				
TBC1D26	TBC1D26	2.342742627	0	0
4.713771124				
CD3G	CD3G	7226.189633	6851.1786	4866.063854
4780.706674				
MRPL12	MRPL12	4013.11812	5295.292799	2614.281645
3176.138983				
POLA2	POLA2	5294.598337	5661.921241	2922.31688
3485.362369				
EDARADD	EDARADD	804.7320923	681.4617315	619.6418926
748.5468544				
BOC	BOC	1.171371313	0	5.357134518
0.942754225				
ERN2	ERN2	530.631205	545.3725034	125.8926612
197.035633				
EFCAB12	EFCAB12	4.685485254	3.046773762	34.82137437
1.885508449				
ZFP14	ZFP14	178.0484396	76.16934405	737.498852
471.3771124				
NHEJ1	NHEJ1	1413.845175	1978.371763	1653.568855
1525.376336				
MAB21L3	MAB21L3	0	0	5.357134518
0.942754225				
IGF2R	IGF2R	7938.383391	2764.439394	3024.995291
3580.580545				
RGS2	RGS2	650.111079	445.8445605	1390.176407
1455.612523				
RPN1	RPN1	24314.15435	29329.25983	21411.57381
21166.71785				
STAR	STAR	8.199599194	14.21827756	26.78567259
30.16813519				
ANKRD27	ANKRD27	4085.743141	5112.486373	5560.70563
3871.891601				

MYBPC3 MYBPC3	0 0	10.71426904	0
LOC283070 LOC283070		14.05645576	9.140321286
116.0712479 73.53482953			
MIR301A MIR301A	2.342742627	0 0	0
MIR219A2 MIR219A2		0 0	0 1.885508449
ZNF394 ZNF394	2102.611508	2837.561964	3693.74425
2503.012467			
PTPLB PTPLB	1118.659604	659.1187239	751.7845441
927.6701571			
LRRC39 LRRC39	165.1633552	158.4322356	226.7853613
209.2914379			
C10orf88 C10orf88		1084.689836	1365.970237
647.3204209 901.2730388			
DDIAS DDIAS	2017.101402	2223.129255	1392.854975
1548.002437			
SNORA76C SNORA76C		7.028227881	3.046773762
3.571423012 10.37029647			
IQGAP1 IQGAP1	34172.41533	27606.81706	17497.29419
24423.9337			
APC2 APC2	63.25405093	31.48332888	54.46420093
60.33627038			
CRAMP1L CRAMP1L	1441.958087	576.8558323	820.534437
713.6649481			
ABCC4 ABCC4	686.4235897	603.2612049	680.3560838
962.5520634			
LYZL2 LYZL2	0 0	0.892855753	0
C19orf47 C19orf47		1137.401545	1058.246087
567.8562589 645.7866439			
GPR22 GPR22	21.08468364	23.35859884	31.24995136
26.39711829			
RAB8A RAB8A	13236.49584	16803.97289	11008.91143
12065.36857			
SEC11C SEC11C	8267.53873	11758.51554	6027.669189
5874.301574			
NT5M NT5M	85.51010588	121.8709505	108.9284019
97.10368515			
MRPS22 MRPS22	1883.565072	2189.614744	2306.24641
2486.042891			
PRTFDC1 PRTFDC1	77.31050669	50.7795627	36.60708587
65.05004151			
SKIV2L2 SKIV2L2	6278.55024	6422.599091	5335.70598
6472.950507			
RNLS RNLS	117.1371313	187.884382	280.3567065
218.7189801			
GPBAR1 GPBAR1	9.370970508	4.062365016	3.571423012
16.02682182			
ELTD1 ELTD1	0 0	0 0.942754225	
RRAGC RRAGC	591.5425133	238.6639447	416.9636367
300.7385977			
DUS1L DUS1L	6639.332605	9261.176646	7618.738141

7180.95893					
NAB2	NAB2	1299.050787	928.2504062	1264.283746	
1485.780658					
SNORD15B	SNORD15B		7.028227881	8.124730032	
8.035701777		16.96957604			
SNORD62A	SNORD62A		10.54234182	4.062365016	
6.249990271		5.656525348			
SNORD63	SNORD63	23.42742627	7.109138778	57.14276819	
52.79423658					
PIP5K1P1	PIP5K1P1		4.685485254	0	1.785711506
0					
OR7E5P	OR7E5P	0	0	0.892855753	0
CTSK	CTSK	108.9375322	37.5768764	21.42853807	
87.6761429					
SNORA74A	SNORA74A		2.342742627	1.015591254	0
0.942754225					
SNORA53	SNORA53	15.22782708	2.031182508	0.892855753	
13.19855915					
SEC22A	SEC22A	1422.044775	1646.273423	1318.747947	
1382.077693					
ZSWIM6	ZSWIM6	223.7319209	125.9333155	193.7496984	
199.8638956					
IL17B	IL17B	3.51411394	2.031182508	8.035701777	0
FAM214A	FAM214A	965.2099623	721.0697904	744.641698	
986.1209191					
CTRB1	CTRB1	0	1.015591254	0	0
MTR	MTR	2226.776867	1623.930415	3515.1731	
3099.775891					
HS3ST1	HS3ST1	57.39719436	70.07579653	16.96425931	
54.67974503					
KIF5A	KIF5A	51.54033779	20.31182508	46.42849916	
70.70656685					
BRD3	BRD3	1643.433953	1430.968077	2979.459648	
2436.076917					
LGALS7	LGALS7	0	1.015591254	0	0
RPSAP58	RPSAP58	121.8226166	437.7198305	526.7848943	
146.1269048					
MANEA	MANEA	2053.413912	1114.103606	1186.605296	
1621.537267					
TMEM173	TMEM173	10912.49516	13122.45459	4888.385248	
6633.218725					
SYMPK	SYMPK	2420.053134	2224.144846	1914.282735	
983.2926564					
SRGAP2D	SRGAP2D	797.7038645	715.9918341	458.9278571	
607.1337207					
SMCR8	SMCR8	1472.413741	798.2547257	1353.569322	
1026.659351					
APOA1BP	APOA1BP	3045.565415	4694.062776	3274.994902	
3233.646991					
RASL11B	RASL11B	8.199599194	24.3741901	50.89277792	

6.599279573						
KIAA1143	KIAA1143		1602.435957		1415.734208	
2620.531635	2018.436795					
ANKRD34B	ANKRD34B		1.171371313		2.031182508	0
0						
OLFML2A	OLFML2A	1.171371313	0	0	0	
A1BG	A1BG	122.9939879	171.6349219		500.8920775	
214.9479632						
FBX036	FBX036	85.51010588	120.8553592		90.17843106	
193.2646161						
MMAA	MMAA	573.9719436	618.4950737		971.4270593	
819.2534213						
CYCS	CYCS	14792.07695	17116.775		11973.19565	
13769.86821						
MFSD4	MFSD4	98.39519033	102.5747167		305.3566675	
195.1501245						
TAPT1	TAPT1	1744.171886	1648.304605		2525.888925	
2208.873149						
LIN28B	LIN28B	0	1.015591254	0	0	
ASCL5	ASCL5	0	0	1.785711506	0	
TMEM18	TMEM18	1439.615344	1794.549746		1783.925795	
1432.043667						
IKBIP	IKBIP	1432.587116	1772.206738		1224.105237	
1187.870323						
SP140L	SP140L	2602.787059	2539.993726		2977.673936	
2468.13056						
PANK1	PANK1	180.3911823	262.0225435		96.42842133	
98.9891936						
SCARNA13	SCARNA13		45.68348122		32.49892013	
152.6783338	106.5312274					
SCARNA21	SCARNA21		8.199599194		2.031182508	
61.60704696	28.28262674					
MALAT1	MALAT1	48184.35898	29641.04634		221596.0836	
207351.2497						
RNF126P1	RNF126P1		0	1.015591254	0	0
CLK2P	CLK2P	2.342742627	1.015591254	0	0	
DIXDC1	DIXDC1	346.7259088	336.1607051		353.5708782	
270.5704625						
SNORD116-14	SNORD116-14		0	0	1.785711506	
0.942754225						
SNORD116-13	SNORD116-13		0	0	1.785711506	0
RSPH1	RSPH1	0	0	4.464278765	9.427542247	
NKG7	NKG7	988.6373886	2250.550219		1616.068913	
761.7454136						
PIK3R6	PIK3R6	113.6230174	32.49892013		16.96425931	
65.99279573						
DSCAML1	DSCAML1	0	19.29623383	0.892855753	3.771016899	
DEAF1	DEAF1	2140.09539	2522.728675		1831.247149	
2778.2967						
NDUFV2	NDUFV2	19717.69332	22185.59094		12137.48111	

15549.78818						
PRR15	PRR15	1.171371313	10.15591254	0	0	
SBF2	SBF2	100.737933	184.8376082	591.9633643		
510.9727898						
C19orf67	C19orf67		2.342742627	9.140321286		
25.89281684		29.22538097				
LOC100335030	LOC100335030		23.42742627	6.093547524		
0.892855753		9.427542247				
NOTCH2NL	NOTCH2NL		2764.4363	3339.264043		
3049.102397		2139.109336				
MIR1238	MIR1238	4.685485254	7.109138778	13.3928363		
2.828262674						
CACNG8	CACNG8	0	0	0.942754225		
ZZZ3	ZZZ3	2790.206469	2802.01627	4320.528989		
4091.553335						
KLHL15	KLHL15	631.369138	321.9424275	559.8205572		
705.1801601						
TMEM106A	TMEM106A		297.5283136	259.991361		
577.6776722		457.235799				
KLHL42	KLHL42	1349.419753	1448.233128	1131.248239		
1105.850706						
KMT2C	KMT2C	3193.1582	2281.017957	4411.600276		
4314.986087						
ADM2	ADM2	49.19759517	15.23386881	204.4639674		
164.9819893						
DDX26B	DDX26B	1369.333065	1074.495547	1289.283707		
1436.757438						
LOC100288911	LOC100288911		1.171371313	0	0	0
HEXA-AS1	HEXA-AS1		38.65525334	57.88870148		
90.17843106		37.71016899				
NDUFV3	NDUFV3	1068.290638	1229.881009	1234.819506		
1093.594901						
MIR320B2	MIR320B2		0	0	1.785711506	0
CLDND2	CLDND2	46.85485254	32.49892013	20.53568232		
33.93915209						
CMTM7	CMTM7	6204.753847	6828.835592	3555.351609		
3955.796727						
FAM71E1	FAM71E1	56.22582305	39.60805891	86.60700804		
65.99279573						
FLJ30679	FLJ30679		10.54234182	16.24946006		0
0						
SHC4	SHC4	374.8388203	221.3988934	101.7855558		
383.7009695						
HADHA	HADHA	18745.45513	29143.40663	12613.37322		
14463.73532						
OSR2	OSR2	1.171371313	3.046773762	0	0	
PIK3AP1	PIK3AP1	229.5887774	115.777403	309.8209463		
292.2538097						
ITFG3	ITFG3	511.889264	1049.105765	2333.032083		
1535.746632						

LOC100190986	LOC100190986	4.685485254	2.031182508		
2.678567259	11.3130507				
SETD7 SETD7	797.7038645	585.9961536	610.7133351		
759.8599051					
PCL0 PCL0	7.028227881	0	0.892855753	3.771016899	
AKAP3 AKAP3	132.3649584	206.1650246	270.5352932		
324.3074533					
LINC01031	LINC01031	1.171371313	0	0	
1.885508449					
LOC100506127	LOC100506127	24.59879758	22.34300759		
93.74985407	43.36669434				
OLFML1 OLFML1	4.685485254	1.015591254	26.78567259		
48.08046546					
ANKMY2 ANKMY2	1452.500429	1690.959438	1753.568699		
1481.066887					
PVRIG2P PVRIG2P	836.3591178	423.5015529	1197.319565		
1339.653753					
C1orf105	C1orf105	1.171371313	4.062365016		
27.67852834	0				
EFCAB7 EFCAB7	527.1170911	491.546167	298.2138215		
495.8887222					
RBM43 RBM43	141.7359289	57.88870148	84.82129654		
188.5508449					
FAM89A FAM89A	674.7098766	593.1052924	1144.641075		
1173.72901					
NFATC2IP	NFATC2IP	5013.469222	3316.921036		
3632.137203	3277.956439				
ZDHHC12 ZDHHC12	4732.340106	6962.893638	2975.888225		
3138.428814					
USP37 USP37	2883.916174	2175.396466	2514.281801		
2783.953226					
SNORA64 SNORA64	70.28227881	103.5903079	174.9997276		
140.4703795					
RPS26P11	RPS26P11	0	0	0.892855753	
0.942754225					
CCNB1 CCNB1	15765.48651	19967.53965	4507.135841		
8369.772007					
LOC101929517	LOC101929517	0	4.062365016	0	0
LINC01395	LINC01395	0	0	70.53560449	
21.68334717					
BRIP1 BRIP1	1938.619524	1478.700866	659.8204015		
738.176558					
FSIP1 FSIP1	56.22582305	25.38978135	17.85711506		
54.67974503					
NEK8 NEK8	435.7501286	449.9069255	636.6061519		
556.2249926					
NEUROG2 NEUROG2	0	0	7.142846024	0	
HOXB9 HOXB9	5.856856567	1.015591254	0	12.25580492	
MIR4749 MIR4749	2.342742627	7.109138778	14.28569205		
3.771016899					

MIR4748	MIR4748	4.685485254	0	4.464278765	1.885508449
MIR4747	MIR4747	4.685485254	0	0	0.942754225
MIR4751	MIR4751	26.94154021	23.35859884	7.142846024	
26.39711829					
MIR4742	MIR4742	7.028227881	1.015591254	5.357134518	
14.14131337					
LOC100507217	LOC100507217		2585.216489	2333.828702	
3408.923265	3003.61496				
NAMA	NAMA	0	1.015591254	0	0
HHIP-AS1	HHIP-AS1		2.342742627	1.015591254	0
0					
RAD18	RAD18	2391.940222	2350.078162	1487.497685	
1964.699804					
IL1RAPL1	IL1RAPL1		0	0	1.885508449
RBKS	RBKS	166.3347265	349.3633914	254.4638896	
194.2073703					
MIR761	MIR761	55.05445173	45.70160643	45.5356434	
46.19495701					
CCDC8	CCDC8	0	1.015591254	0	0
LOC284648	LOC284648		0	0	25.89281684
11.3130507					
LOC647859	LOC647859		0	2.031182508	0
NBAS	NBAS	2947.170225	1776.269103	1698.211642	0
2207.930394					
LINC00336	LINC00336		0	0	2.678567259
4.713771124					
STK33	STK33	118.3085027	80.23170907	17.85711506	
61.27902461					
TPRKB	TPRKB	2217.405896	1763.066417	1391.069263	
1789.347519					
BOK-AS1	BOK-AS1	0	1.015591254	0	0
PMS2L2	PMS2L2	87.85284851	95.46557788	64.28561422	
96.16093092					
DOC2GP	DOC2GP	8.199599194	24.3741901	12.49998054	
47.13771124					
LIMD1-AS1	LIMD1-AS1		606.7703404	294.5214637	
493.7492314	346.9335547				
SLC9C2	SLC9C2	0	0	6.599279573	
MIR630	MIR630	1.171371313	0	0	0.942754225
MIR628	MIR628	1.171371313	0	0	0
MIR627	MIR627	0	0	0.892855753	0
IER5L	IER5L	28.11291152	28.43655511	36.60708587	
77.30584643					
TEX261	TEX261	4816.678841	4131.425221	3912.49391	
3733.30673					
ZBTB42	ZBTB42	169.8488405	83.27848283	183.9282851	
228.1465224					
TOMM40L	TOMM40L	1364.64758	1363.939054	761.6059573	
800.3983368					
DOCK9-AS2	DOCK9-AS2		21.08468364	38.59246765	

116.9641036	138.584871			
NOTCH2 NOTCH2	9784.464581	2886.310344	4099.100762	
5475.516537				
NUDT21 NUDT21	12225.6024	11753.43758	8849.986224	
10161.94779				
BLOC1S1-RDH5	BLOC1S1-RDH5	2615.672143	2936.074315	
1998.211175	2071.231032			
PFAS PFAS	6011.477581	5985.894851	4326.778979	
4210.340368				
HESX1 HESX1	8.199599194	10.15591254	11.60712479	
7.542033798				
PRG2 PRG2	57.39719436	79.21611782	56.24991244	
50.90872813				
ARMCX5-GPRASP2	ARMCX5-GPRASP2	240.1311193	244.7574922	
382.1422623	473.2626208			
ZNF865 ZNF865	28.11291152	1.015591254	26.78567259	
10.37029647				
RPL23 RPL23	7468.663495	6417.521134	7049.989026	
6567.225929				
ELOVL4 ELOVL4	284.6432292	109.6838554	395.5350986	
506.2590187				
CACNG4 CACNG4	1.171371313	1.015591254	0 0	
NUP50 NUP50	10620.8237	10408.79476	9016.057394	
9611.379321				
DNAJA2 DNAJA2	9422.510845	11600.0833	9443.7353	
9479.39373				
DIEXF DIEXF	1436.10123	1917.436288	3083.030915	
2569.948017				
GRB2 GRB2	15703.40383	17412.31205	14396.40616	
14608.91947				
BCL9L BCL9L	315.0988833	111.7150379	350.8923109	
392.1857575				
TMED4 TMED4	2984.654107	4014.632227	4491.957293	
3651.287112				
ZNF678 ZNF678	261.2158029	143.1983668	237.4996303	
324.3074533				
FAR2 FAR2	933.5829368	1175.039081	605.3562006	
725.920753				
TSPAN2 TSPAN2	385.3811621	214.2897546	227.678217	
170.6385147				
PPIF PPIF	7725.193812	8595.964374	4015.172321	
4295.188248				
MEIS1 MEIS1	4.685485254	1.015591254	0 0	
ETF1 ETF1	8657.605378	8667.055762	5469.634343	
6473.893261				
LOC101930452	LOC101930452	22.25605496	14.21827756	
0.892855753	2.828262674			
SLITRK5 SLITRK5	0 0	0 1.885508449		
CATSPERG	CATSPERG	21.08468364	38.59246765	
110.7141134	92.38991402			

SERINC1	SERINC1	6897.034294	7713.415575	17530.32986
12936.47347				
OR52B6	OR52B6	0 0	0 2.828262674	
KRT40	KRT40	0 0	0 1.885508449	
CCDC38	CCDC38	5.856856567	5.07795627	0 0.942754225
LOC100131626	LOC100131626	395.9235039	409.2832754	
341.0708977	405.3843166			
AKAP5	AKAP5	482.6049811	122.8865417	79.46416202
164.0392351				
NXPH2	NXPH2	0 0	8.035701777	0
NXPH4	NXPH4	3.51411394	1.015591254	3.571423012
6.599279573				
CYSLTR1	CYSLTR1	2396.625707	2337.891067	1736.60444
2179.647768				
KDELR3	KDELR3	90.19559114	101.5591254	91.07128681
71.64932108				
NDUFS6	NDUFS6	5052.124475	5411.070202	2950.888264
3075.264281				
ZNF32-AS1	ZNF32-AS1		138.221815	180.7752432
416.9636367	399.7277913			
AIRN	AIRN	2.342742627	3.046773762	0.892855753
0.942754225				
METTL21EP	METTL21EP		3.51411394	4.062365016
2.678567259	0			
FLJ38576	FLJ38576		17.5705697	7.109138778
28.5713841	1.885508449			
OR1J1	OR1J1	0 0	0.892855753	0
C15orf38-AP3S2	C15orf38-AP3S2	2479.793071	3115.833967	
2167.853768	2010.894761			
FLJ41200	FLJ41200	0 0	0 0.942754225	
DNAJC27-AS1	DNAJC27-AS1	18.74194102	33.51451138	
66.07132572	46.19495701			
MAPK8IP1	MAPK8IP1	1.171371313	2.031182508	
9.821413283	16.96957604			
TEX12	TEX12	9.370970508	11.17150379	34.82137437
1.885508449				
VPS35	VPS35	8340.163752	10752.06461	11034.80425
9787.674361				
SLC7A11	SLC7A11	363.1251072	345.3010264	187.4997081
168.7530062				
DNAJB9	DNAJB9	1549.724248	1679.787934	4466.957332
3273.242668				
DRG1	DRG1	6489.397077	8423.313861	5786.598135
5854.503735				
LOC100507534	LOC100507534	0 1.015591254	0 0	
AN05	AN05	0 0	3.571423012	0
P2RX6	P2RX6	7.028227881	0 6.249990271	0
SMARCB1	SMARCB1	3551.597822	3689.643026	1926.782715
1700.728621				
FAM127C	FAM127C	0 2.031182508	33.92851862	42.42394011

FAHD2CP	FAHD2CP	202.6472372	339.2074789	318.7495038
286.5972843				
SNORD116-7	SNORD116-7	0	1.015591254	0.892855753
0				
NECAP1	NECAP1	1965.561064	2268.830862	3861.601132
3221.391186				
E2F4	E2F4	7773.220036	9440.936298	5515.169986
6484.263558				
OXCT1	OXCT1	11343.5598	13421.03842	6199.097493
7838.058624				
GAL3ST4	GAL3ST4	19.91331233	47.73278894	328.5709171
137.6421168				
AGPAT5	AGPAT5	3512.942569	3375.825328	3081.245204
3084.691823				
FBX040	FBX040	14.05645576	7.109138778	3.571423012
27.33987252				
CRYAA	CRYAA	0	7.142846024	0
ANKRD13A	ANKRD13A	0	6617.07655	6126.046444
6018.740631	7217.726344			
ZNF614	ZNF614	1162.000343	1031.840714	1287.497996
1196.355111				
DOCK5	DOCK5	24.59879758	26.40537261	0
TMEM191A	TMEM191A	84.84788022	65.59679355	6.599279573
114.2855364				62.96665775
IQCK	IQCK	186.2480388	198.0402945	328.5709171
257.3719033				
FAM153B	FAM153B	3.51411394	0	33.92851862
MYH16	MYH16	0	5.07795627	53.73699081
BRCA2	BRCA2	1944.47638	1268.473476	10.37029647
1379.249431				1037.498385
OVCH1-AS1	OVCH1-AS1	19.64282657	64.42542224	8.124730032
100.874702				
IER3IP1	IER3IP1	3572.682506	3586.052718	3616.958656
3815.326347				
MOB2	MOB2	1657.490409	1489.87237	1395.533542
1130.362315				
SLX4	SLX4	413.4940737	289.4435074	275.8924277
242.2878358				
FBXL16	FBXL16	169.8488405	88.3564391	341.9637534
321.4791906				
RNU6ATAC	RNU6ATAC	6.249990271	1.171371313	2.031182508
5.656525348				
EMCN	EMCN	0	1.785711506	0.942754225
APOF	APOF	8.199599194	2.031182508	6.249990271
12.25580492				
MIR1184-3	MIR1184-3	505.3563562	391.2380187	470.2187506
631.6453306				
LIPT2	LIPT2	122.9939879	147.2607318	318.7495038
261.1429202				
SGK494	SGK494	101.9093043	23.35859884	105.3569789

40.53843166					
RPS4X RPS4X	9470.537069	18993.58763	16291.93893		
10083.69919					
UBQLN2 UBQLN2	5881.455365	6234.714709	12386.58786		
11163.15277					
LOC158435	LOC158435	0	0	0	2.828262674
CDH8 CDH8	0 0	0	1.885508449		
NPAS2 NPAS2	64.42542224	84.29407409	229.4639285		
276.2269878					
UBE2T UBE2T	5224.316058	5516.691692	2574.995992		
3104.489662					
PHKA2 PHKA2	1019.093043	581.9337886	710.7131794		
819.2534213					
UBE2V2 UBE2V2	6722.499968	7022.813522	4806.242519		
5613.158654					
SIX5 SIX5	17.5705697	15.23386881	16.07140355		
8.484788022					
SIGLECL1	SIGLECL1	0	2.031182508	0	0
RTTN RTTN	1786.341253	1528.464837	1041.962664		
1147.331891					
CMC2 CMC2	3808.12814	4641.252031	2987.49535		
2766.040895					
CCR4 CCR4	8837.99656	15823.92733	6816.060819		
6348.506949					
TMED2 TMED2	19538.47351	23639.91762	19070.50603		
17027.08405					
LMAN2 LMAN2	15337.93598	22335.89845	13849.08559		
12453.78331					
MRC1 MRC1	0 1.015591254	44.64278765	24.51160984		
SLC25A20	SLC25A20	3854.982993	5506.535779		
2339.282073	2571.833525				
EMP2 EMP2	1.171371313	0	4.464278765	0	
STC1 STC1	10.54234182	0	70.53560449	4.713771124	
SPDYE8P SPDYE8P	46.85485254	30.46773762	16.07140355		
32.99639787					
UBE2Q2P1	UBE2Q2P1	43.3407386	56.87311023		
74.99988325	82.01961755				
CAND1 CAND1	17793.13025	17447.85774	15578.54718		
15809.04559					
ZC3H11A ZC3H11A	5264.142683	4267.51445	6880.346433		
7007.492152					
ZNF781 ZNF781	3.51411394	17.26505132	74.99988325		
73.53482953					
ZNF488 ZNF488	4.685485254	0	0	62.22177883	
MMEL1 MMEL1	530.631205	614.4327087	523.2134713		
629.7598221					
TCTA TCTA	1349.419753	1695.021803	2315.174968		
1826.114933					
CDC42EP1	CDC42EP1	3.51411394	4.062365016		
16.07140355	8.484788022				

SNX7	SNX7	0	2.031182508	0	20.74059294
LOC100129034	LOC100129034		3993.204808		5925.974967
3025.888147		3515.530504			
APBB3	APBB3	510.7178927	280.3031861		567.8562589
556.2249926					
RNF219	RNF219	2231.462352	2059.619063		2850.888419
3013.985256					
ABCA11P	ABCA11P	447.4638417	486.4682107		685.7132183
534.5416454					
SERTAD4	SERTAD4	3.51411394	0	0.892855753	0
MBNL2	MBNL2	1748.857371	1523.386881		1453.569166
1983.554889					
ZNF445	ZNF445	796.5324932	225.4612584		534.8205961
397.8422828					
ADAM10	ADAM10	13327.8628	13644.4685		8471.415385
9222.021826					
EFHB	EFHB	8.199599194	10.15591254	0	10.37029647
APOBEC3F	APOBEC3F		3831.555566		4835.229961
2247.31793		2494.527679			
RTKN2	RTKN2	576.3146862	1414.718617		707.1417564
1130.362315					
SLC25A43	SLC25A43		229.5887774		583.9649711
409.8207906		580.7366024			
C8orf46	C8orf46	0	0	37.71016899	
UBR4	UBR4	5261.79994	2111.414217		2933.031149
3160.112161					
MIR1279	MIR1279	14.05645576	8.124730032		34.82137437
18.85508449					
KIAA1715	KIAA1715		1973.760663		1418.780982
1504.461944		1391.505236			
GSTA4	GSTA4	165.1633552	128.9800893		76.78559476
214.9479632					
KIAA1731	KIAA1731		1356.447981		1088.713824
1056.248356		1178.442781			
ZNF571	ZNF571	87.85284851	110.6994467		672.320382
561.8815179					
RB1	RB1	6543.280157	6304.790505		3907.136775
4633.637014					
ISCA2	ISCA2	2407.168049	2678.114137		2868.745534
2511.497255					
SNORA25	SNORA25	15.22782708	8.124730032		36.60708587
29.22538097					
ZCCHC12	ZCCHC12	1.171371313	1.015591254		0.892855753
3.771016899					
CFDP1	CFDP1	1163.171714	1406.593887		1346.426476
1458.440786					
ENTPD7	ENTPD7	766.076839	611.3859349		277.6781392
366.7313934					
RNF126	RNF126	4054.116116	4984.521875		2841.959862
2883.885173					

CXCL17	CXCL17	1.171371313	1.015591254	2.678567259	
4.713771124					
CDC42EP5	CDC42EP5	0	0	0.892855753	0
C18orf25	C18orf25	2776.411192	2762.093557	2792.875949	
2935.709716					
CCDC151	CCDC151	0	0	5.357134518	2.828262674
CENPBD1	CENPBD1	637.2259945	860.2057922	1032.141251	
886.1889712					
GLS	GLS	9416.653989	5764.495958	7899.987703	
11058.50706					
FOXE3	FOXE3	0	0	0.892855753	0
HERC5	HERC5	4106.827825	4246.187033	11010.69715	
7636.30922					
ZSWIM5	ZSWIM5	14.05645576	8.124730032	337.4994746	
143.2986422					
SIPA1L2	SIPA1L2	48.02622385	3.046773762	166.0711701	
60.33627038					
TLR5	TLR5	83.16736326	115.777403	224.9996498	
175.3522858					
SPPL3	SPPL3	1803.911823	1689.943847	2841.959862	
2408.737044					
GNA11	GNA11	12.88508445	5.07795627	110.7141134	
72.5920753					
UBTD2	UBTD2	802.3893497	700.7579653	665.177536	
522.2858405					
FOXA3	FOXA3	0	1.015591254	0	0
MMP7	MMP7	8.199599194	2.031182508	12.49998054	
6.599279573					
DUSP5	DUSP5	951.1535065	448.8913343	833.0344176	
1087.938375					
KPNA4	KPNA4	1638.748468	1423.858938	1779.461516	
1509.349514					
CEBPE	CEBPE	1.171371313	0	3.571423012	3.771016899
ASIP	ASIP	0	1.015591254	0	0
ARSD	ARSD	84.33873457	106.6370817	218.7496595	
84.84788022					
ARVCF	ARVCF	31.62702546	9.140321286	154.4640453	
86.73338867					
CYP20A1	CYP20A1	2580.531004	2308.43892	2850.888419	
2630.284287					
FLYWCH1	FLYWCH1	3398.14818	5172.406257	3024.995291	
2658.566914					
ADARB2	ADARB2	8.199599194	41.63924142	127.6783727	
52.79423658					
RPL10A	RPL10A	7212.133177	7941.923607	6983.9177	
7397.792401					
ITGAX	ITGAX	889.0708269	287.4123249	35.71423012	
105.5884732					
CTSF	CTSF	265.9012882	433.6574655	888.3914743	
623.1605425					

BPIFC	BPIFC	0	0	3.571423012	6.599279573
EIF1B	EIF1B	2052.242541		1787.440607	3453.566053
2914.053309					
NR4A2	NR4A2	482.6049811		369.6752165	2186.603739
1309.485618					
SVIP	SVIP	1579.008531		1864.625542	2951.78112
2662.337931					
ACYP2	ACYP2	277.6150013		196.009112	201.7854002
231.9175393					
MALSU1	MALSU1	1617.663784		1706.193307	1669.640258
1695.072096					
RNF220	RNF220	3913.551558		3811.513976	5294.634615
4509.193457					
SLC35E1	SLC35E1	3610.166388		4596.566016	3094.63804
3029.069324					
ZNF703	ZNF703	0	0	6.249990271	1.885508449
RPF1	RPF1	4263.791581		4543.755271	4241.957683
4447.914432					
PTRH2	PTRH2	1080.004351		1508.153012	1095.534009
1300.058076					
GL0D4	GL0D4	3914.72293		4028.850505	4504.457274
4520.506508					
AGBL2	AGBL2	156.963756		76.16934405	70.53560449
62.22177883					
ZNF280B	ZNF280B	261.2158029		282.3343686	219.6425152
381.815461					
LINC00242	LINC00242			2.342742627	9.140321286
10.71426904	4.713771124				
SLC48A1	SLC48A1	1002.693844		1348.705185	1064.284058
1059.655749					
GIN1	GIN1	653.6251929		615.4483	743.7488423
734.4055411					
LINC00278	LINC00278			14.05645576	0
25.45436407					0
ANGPTL5	ANGPTL5	0	0	26.78567259	0
PPA1	PPA1	12451.67706		11706.72039	8175.88013
12449.06954					
PRSS53	PRSS53	110.1089035		71.09138778	122.3212382
115.9587696					
LONRF1	LONRF1	447.4638417		636.7757163	1330.355072
1024.773842					
LSP1P3	LSP1P3	0	2.031182508	0	0
HIST1H3B	HIST1H3B			93.70970508	61.9510665
27.67852834	24.51160984				
MYL6B	MYL6B	1857.794903		2036.260464	552.6777111
959.7238008					
SNAPC1	SNAPC1	807.074835		1067.386408	1345.53362
1126.591299					
EMX1	EMX1	0	1.015591254	8.92855753	0
GAST	GAST	0	0	8.035701777	0

LOC101928336	LOC101928336	0	1.015591254	0	0
ST13P4 ST13P4	2.342742627	9.140321286	4.464278765		
6.599279573					
NACAP1 NACAP1	2.342742627	3.046773762	1.785711506		0
PIK3R4 PIK3R4	3784.700714	3662.222062	3955.350986		
3546.641393					
TFB2M TFB2M	1597.750472	1857.516404	1600.890365		
1748.809087					
FAM20C FAM20C	1.171371313	0	0.892855753	0	
SLN SLN	1.171371313	3.046773762	0	0	
S100A5 S100A5	35.1411394	39.60805891	6.249990271		
19.79783872					
HBA2 HBA2	2.342742627	1.015591254	9.821413283		0
PECAM1 PECAM1	214.3609504	475.2967069	1342.855053		
646.7293982					
LOC101928736	LOC101928736	995.6656164	1468.544953		
1001.784155	941.8114705				
PHF3 PHF3	2969.42628	2225.160438	5099.099206		
4825.958876					
LOC148709	LOC148709	2.342742627	10.15591254		
10.71426904	6.599279573				
C15orf27	C15orf27	7.028227881	3.046773762		0
0					
CYSRT1 CYSRT1	23.42742627	12.18709505	3.571423012		
11.3130507					
CLIC3 CLIC3	494.3186943	869.3461135	189.2854196		
214.9479632					
LOC101928449	LOC101928449	0	0	0.892855753	0
RAG2 RAG2	1.171371313	0	0	0.942754225	
ITGA4 ITGA4	40091.35457	31001.93862	7848.202069		
12029.54391					
SERPINA6	SERPINA6	0	0	2.678567259	0
COL14A1 COL14A1	2.342742627	0	0	0	
ACTRT3 ACTRT3	25.7701689	67.02902277	36.60708587		
40.53843166					
UBE2J2 UBE2J2	4476.98116	5885.351317	3899.993929		
3466.507284					
EXOSC3 EXOSC3	4048.259259	5014.989613	3186.602183		
3586.237071					
AMIG03 AMIG03	253.0162037	57.88870148	98.21413283		
82.01961755					
CCDC141 CCDC141	227.2460348	662.1654976	693.7489201		
293.1965639					
CAMSAP3 CAMSAP3	121.8226166	42.65483267	8.035701777		
73.53482953					
TBCD TBCD	5760.80412	6765.868934	4335.707537		
4831.615402					
SLC9A3R1	SLC9A3R1	33194.32028	45248.65273		
11433.01792	12997.7525				
DSTNP2 DSTNP2	98.39519033	128.9800893	143.7497762		

114.0732612					
CD1A	CD1A	8.199599194	0	0	0
PER1	PER1	640.7401085	322.9580188		1082.141173
689.1533383					
ZNF43	ZNF43	814.1030629	787.0832219		1829.461438
1447.127735					
ZNF264	ZNF264	524.7743484	372.7219902		551.7848554
711.7794397					
TXNDC17	TXNDC17	5692.864583	5697.466935		3151.780808
4016.132997					
DCST2	DCST2	3.51411394	0	1.785711506	10.37029647
GABPB2	GABPB2	550.5445173	618.4950737		676.7846608
525.1141032					
LRRC3	LRRC3	106.5947895	138.1204106		147.3211993
109.3594901					
ZNF157	ZNF157	5.856856567	1.015591254		4.464278765
50.90872813					
PRKCG	PRKCG	0	2.031182508	0.892855753	0
HIST1H2B0	HIST1H2B0		15.22782708		18.28064257
7.142846024		4.713771124			
PAK2	PAK2	8349.534722	6073.235699		4060.707965
4968.314764					
EIF3G	EIF3G	6085.273973	8261.834852		7297.31007
6561.569404					
ABHD4	ABHD4	1434.929859	2081.962071		3637.494338
2176.819505					
PYCRL	PYCRL	1221.74028	1778.300286		918.7485699
1048.342698					
KANTR	KANTR	76.13913537	21.32741634		86.60700804
75.42033798					
THRIL	THRIL	1646.948067	1832.126622		941.0699637
936.1549451					
MIR645	MIR645	0	4.062365016	1.785711506	3.771016899
MIR644A	MIR644A	9.370970508	4.062365016	0	7.542033798
MIR643	MIR643	0	0	0.942754225	
MIR641	MIR641	1.171371313	0	0	0
KRAS	KRAS	5641.324246	3082.319456		3583.922993
4362.123798					
BRICD5	BRICD5	249.5020898	212.2585721		202.6782559
179.1233027					
EXOC6B	EXOC6B	222.5605496	419.4391879		167.8568816
245.1160984					
FAM219A	FAM219A	192.1048954	76.16934405		86.60700804
90.50440557					
FLJ43315	FLJ43315		5.856856567	0	7.142846024
5.656525348					
SERPINB9P1	SERPINB9P1		59.73993699		116.7929942
121.4283824		37.71016899			
THEGL	THEGL	0	1.015591254	0	2.828262674
LOC100129083	LOC100129083		3.51411394		9.140321286

1.785711506	5.656525348			
ZNF785	ZNF785	291.6714571	316.8644713	556.2491341
544.9119419				
ARRDC4	ARRDC4	35.1411394	30.46773762	88.39271955
70.70656685				
MIR671	MIR671	241.3024906	223.4300759	210.7139577
223.4327513				
TXNDC15	TXNDC15	2048.728427	1838.22017	1213.390968
1408.474812				
DCAF16	DCAF16	1074.147494	895.7514861	1734.818728
1651.705402				
COL5A2	COL5A2	35.1411394	280.3031861	153.5711895
40.53843166				
HIST1H3H	HIST1H3H		106.5947895	152.3386881
56.24991244	45.25220279			
HIST1H3J	HIST1H3J		146.4214142	56.87311023
37.49994163	62.22177883			
AGFG2	AGFG2	2117.839335	1929.623383	1441.069185
2044.833913				
RAD9A	RAD9A	5519.501629	7133.512968	3483.923148
3517.416012				
MYH9	MYH9	103320.8067	59925.97754	37367.79898
44895.84169				
RHPN1	RHPN1	349.0686514	176.7128782	469.6421261
394.0712659				
PPAN	PPAN	3726.132148	4431.024641	3994.636639
4105.694649				
HUNK	HUNK	1.171371313	0	9.821413283
TMEM8A	TMEM8A	6258.636928	4507.193985	25.45436407
3713.508891				3048.209541
PELO	PELO	2039.357457	3043.726988	2306.24641
1988.26866				
C2orf15	C2orf15	18.74194102	21.32741634	74.99988325
108.4167358				
TUBB6	TUBB6	1027.292642	2202.81743	384.8208296
444.9799941				
GNPTG	GNPTG	1113.974119	1239.02133	1785.711506
1657.361927				
MY05C	MY05C	125.3367305	182.8064257	95.53556557
183.8370738				
ISG15	ISG15	9568.93226	14949.50326	23738.35591
12498.09276				
ZRSR2	ZRSR2	785.9901513	1664.554065	2447.317619
999.3194782				
TBX6	TBX6	19.91331233	3.046773762	6.249990271
17.91233027				
TUBB1	TUBB1	58.56856567	66.01343151	73.21417175
128.2145746				
ARHGAP15	ARHGAP15		7845.845058	7990.671987
7812.487839	8184.992179			

LOC100996693	LOC100996693	3.51411394	3.046773762	
4.464278765	1.885508449			
TPPP2 TPPP2	0 0	6.249990271	0.942754225	
MLLT10P1	MLLT10P1	1.171371313	3.046773762	
0.892855753	3.771016899			
PVRL3-AS1	PVRL3-AS1	0 0	5.357134518	
0.942754225				
DVL3 DVL3	3394.634066	2562.336734	2764.281411	
2846.175004				
PIK3C2A PIK3C2A	1832.024734	1128.321883	1435.712051	
1928.875144				
PRR34 PRR34	78.481878	49.76397145	189.2854196	
111.2449985				
HMG2 HMG2	45084.91048	62989.00076	33491.0193	
33742.11646				
TMEM203 TMEM203	2691.811278	3281.375342	4276.779057	
3489.133386				
STAM STAM	2651.984654	3854.168809	2317.853535	
2569.948017				
FRZB FRZB	1.171371313	0 0	12.25580492	
HOXB7 HOXB7	35.1411394	73.12257029	49.99992217	
18.85508449				
GTF2A2 GTF2A2	7644.369192	9113.915914	4996.420794	
5859.217507				
GABARAP GABARAP	10477.9164	10986.66619	16131.22489	
12739.43784				
LOC101929439	LOC101929439	1.171371313	7.109138778	0
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CYTIP CYTIP	15527.69813	18699.06617	17650.86538	
19499.92838				
POTEJ POTEJ	1.171371313	1.015591254	0 0.942754225	
CCDC127 CCDC127	999.1797304	1245.114877	1146.426787	
1073.797062				
NLGN1 NLGN1	0 0	0 1.885508449		
SLC25A40	SLC25A40	1980.788891	1675.725569	
1369.640725	1697.900359			
COG3 COG3	1965.561064	1606.665364	3333.030526	
2642.540092				
MESDC1 MESDC1	1219.397537	1065.355226	479.4635394	
464.7778328				
PHLPP2 PHLPP2	1568.466189	713.9606516	912.4985796	
948.4107501				
EXOSC5 EXOSC5	1661.004522	2756.314663	1966.961224	
1992.039677				
RAB6B RAB6B	21.08468364	30.46773762	16.96425931	
63.16453306				
CCDC67 CCDC67	0 0	1.785711506	0	
COX7A2L COX7A2L	4617.545718	5885.351317	5572.312755	
4768.450869				
DGKI DGKI	98.39519033	88.3564391	0 12.25580492	

EPM2AIP1	EPM2AIP1	980.4377894	717.0074254
2080.353905	1544.23142		
MY01G MY01G	33384.08243	48925.09307	10754.44755
12923.27491			
DOLK DOLK	1596.5791	1820.955119	1370.533581
1382.077693			
DNAJC5 DNAJC5	1888.250557	1080.589094	745.5345538
900.3302846			
ACOT12 ACOT12	0 1.015591254	8.035701777	0
MRPS15 MRPS15	4092.771369	5735.043812	2658.031577
2967.790299			
KLHL20 KLHL20	1403.302834	1444.170763	2024.103992
1535.746632			
TRIM21 TRIM21	5357.852388	7974.422527	11741.94601
8521.555437			
KLK14 KLK14	0 4.062365016	2.678567259	0
SLC16A8 SLC16A8	0 5.07795627	0	9.427542247
PREP PREP	5066.180931	5782.776601	3498.20884
4357.410027			
BSND BSND	1.171371313	0 0	0
TMEM123 TMEM123	20549.36695	19242.40749	28825.84799
24960.36085			
KLHL29 KLHL29	11.71371313	46.71719769	133.928363
68.8210584			
SLC16A9 SLC16A9	139.3931863	299.5994199	49.99992217
94.27542247			
ID02 ID02	0 0	0 2.828262674	
SERTAD1 SERTAD1	1310.7645	1686.897073	2267.853613
1909.077305			
IDI1 IDI1	5913.08239	7708.337618	8109.808805
8302.836457			
GRIK1-AS2	GRIK1-AS2	7.028227881	11.17150379
39.28565313	22.62610139		
LOC100133331	LOC100133331	85.51010588	41.63924142
89.2855753	66.93554995		
LINC01001	LINC01001	4.685485254	2.031182508
2.678567259	4.713771124		
LOC100129138	LOC100129138	1.171371313	0 0
7.542033798			
LINC01002	LINC01002	3.51411394	2.031182508
2.678567259	2.828262674		
PIGP PIGP	428.7219007	464.1252031	488.3920969
609.0192292			
RFNG RFNG	718.0506152	411.3144579	511.6063465
566.5952891			
UPK2 UPK2	3.51411394	2.031182508	7.142846024
0.942754225			
RTEL1-TNFRSF6B	RTEL1-TNFRSF6B	2335.714399	2216.020116
1062.498346	1318.91316		
RAD50 RAD50	3181.444487	3487.540366	3412.494688

3853.036516					
TSPAN1	TSPAN1	3.51411394	1.015591254	2.678567259	
6.599279573					
DBR1	DBR1	1979.61752	2007.823909	2637.495894	
2402.137765					
ATP5F1	ATP5F1	15526.52676	20116.83156	11875.87437	
13207.98669					
CACHD1	CACHD1	31.62702546	1.015591254	12.49998054	
113.130507					
RGS14	RGS14	2651.984654	3371.762963	2619.638779	
3194.051313					
UBE2N	UBE2N	16323.05925	19823.32569	11963.37423	
12966.64161					
TM7SF3	TM7SF3	6298.463552	8298.396137	4755.349741	
4489.395618					
FAM173A	FAM173A	472.0626393	508.8112183	472.3206934	
661.8134658					
TIMELESS	TIMELESS		11048.37423	9346.486311	
4760.706875	7030.118254				
NCMAP	NCMAP	16.39919839	15.23386881	27.67852834	
15.0840676					
FOXR1	FOXR1	1.171371313	0	13.3928363	1.885508449
PNMAL1	PNMAL1	0	0	3.771016899	
PTPN23	PTPN23	534.1453189	213.2741634	321.4280711	
293.1965639					
PTGDR2	PTGDR2	354.925508	830.7536458	388.3922526	
345.9908005					
FAM72C	FAM72C	1871.851359	2031.182508	521.4277598	
1350.02405					
MIR638	MIR638	16.39919839	18.28064257	10.71426904	
16.02682182					
MIR590	MIR590	8.199599194	2.031182508	5.357134518	
7.542033798					
MIR589	MIR589	9.370970508	7.109138778	6.249990271	
2.828262674					
MIR573	MIR573	5.856856567	13.2026863	8.035701777	
2.828262674					
MIR568	MIR568	2.342742627	0	0	11.3130507
MIR574	MIR574	0	0	2.678567259	0
SMG7-AS1	SMG7-AS1		14.05645576	14.21827756	
33.03566286	4.713771124				
DGAT2L6	DGAT2L6	1.171371313	4.062365016	0	15.0840676
C10orf91	C10orf91		3.51411394	5.07795627	0
2.828262674					
C11orf53	C11orf53		0	0	2.678567259
LINC00342	LINC00342		92.53833376	71.09138778	
104.4641231	83.905126				
LOC644050	LOC644050		0	0	4.713771124
LOC100128494	LOC100128494		5217.28783	3172.707078	
3941.95815	4317.814349				

NCAPG	NCAPG	8545.153732	8969.701956	3256.244931	
4934.375612					
RSPH3	RSPH3	240.1311193	247.804266	346.4280322	
279.9980047					
SLC20A1	SLC20A1	11348.24528	15308.00697	8185.701544	
8715.762807					
GNAQ	GNAQ	1195.970111	1356.829915	1014.284135	
778.7149896					
MALRD1	MALRD1	0	8.035701777	2.828262674	
SNORA70F	SNORA70F	0	0	1.785711506	0
EFHC2	EFHC2	0	2.031182508	86.60700804	70.70656685
FAM71D	FAM71D	1.171371313	0	2.678567259	0
C10orf99	C10orf99	0	0	3.046773762	0
BRF2	BRF2	822.302662	1181.132628	1066.962625	0
795.6845657					
WDR34	WDR34	4384.442826	5094.20573	2242.853652	
2391.767468					
SLC24A5	SLC24A5	76.13913537	31.48332888	32.14280711	
62.22177883					
QRICH2	QRICH2	85.51010588	89.37203036	134.8212187	
103.7029647					
INTS2	INTS2	2995.196449	2318.594833	1666.961691	
2132.510056					
CCDC116	CCDC116	15.22782708	9.140321286	9.821413283	
8.484788022					
LOC100505549	LOC100505549		182.7339249	168.5881482	
308.0352348	230.0320308				
RNF212B	RNF212B	44.51210991	32.49892013	44.64278765	
69.76381263					
HCRT	HCRT	0	1.015591254	0	3.771016899
PXDN	PXDN	118.3085027	0	0.892855753	80.1341091
RPL30	RPL30	9686.069391	7595.606989	11193.73258	
11457.29209					
SERTAD3	SERTAD3	470.891268	528.1074521	1372.319292	
752.3178713					
ZNF225	ZNF225	327.9839678	397.0961803	701.7846219	
680.6685502					
SDHAF2	SDHAF2	3263.440479	3547.46025	3239.280672	
3175.196229					
C10orf32-ASMT	C10orf32-ASMT		600.9134838	659.1187239	
558.9277014	679.725796				
S100A6	S100A6	13877.23595	11971.7897	7074.988987	
8112.400104					
QDPR	QDPR	1870.679988	2241.409898	1865.175668	
1693.186588					
APOB	APOB	0	0	0.942754225	
TLR9	TLR9	99.56656164	94.44998663	183.0354294	
82.96237177					
A4GALT	A4GALT	3.51411394	79.21611782	0	0
MIR6783	MIR6783	11.71371313	2.031182508	2.678567259	

2.828262674					
MIR6781	MIR6781	66.76816487	99.5279429	108.9284019	
92.38991402					
PTGDR	PTGDR	0	3.046773762	47.32135491	11.3130507
SESN2	SESN2	1072.976123	1309.097126	1903.568465	
1187.870323					
TMIGD2	TMIGD2	776.6191808	606.3079787	1463.390579	
871.1049036					
C19orf10	C19orf10		5921.28199	8483.233745	
6149.990427	4956.058959				
FOPNL	FOPNL	3243.527167	3091.459777	2393.746274	
2793.380768					
COMTD1	COMTD1	476.7481246	789.1144044	563.3919802	
499.6597391					
ANKRD22	ANKRD22	19.91331233	69.06020528	255.3567454	
134.8138541					
LAG3	LAG3	7989.923729	4488.913343	2160.710922	
5726.289161					
NPR2	NPR2	139.3931863	124.9177242	119.6426709	
183.8370738					
HIST1H2BL	HIST1H2BL		29.28428284	38.59246765	
0.892855753	5.656525348				
HIST1H2BN	HIST1H2BN		113.6230174	132.026863	
116.9641036	63.16453306				
HIST1H2BG	HIST1H2BG		16.39919839	12.18709505	
8.92855753	26.39711829				
HIST2H2AA3	HIST2H2AA3		1.171371313	1.015591254	
5.357134518	2.828262674				
TTY5	TTY5	0	0	1.885508449	
NUTM2A-AS1	NUTM2A-AS1		323.2984825	591.0741099	
563.3919802	409.1553335				
YWHAEP7	YWHAEP7	0	1.015591254	0	0
PSMD4	PSMD4	14468.77846	19726.84452	11879.44579	
11806.11116					
PRKCI	PRKCI	2000.702203	2334.844293	2323.210669	
2069.345523					
ANKRD36B	ANKRD36B		980.4377894	1207.538001	
1524.10477	1246.321085				
KIAA1244	KIAA1244		2.342742627	4.062365016	
9.821413283	0				
MTRNR2L7	MTRNR2L7		0	1.785711506	0
PVRL3	PVRL3	162.8206126	30.46773762	58.9284797	
61.27902461					
PMS2P4	PMS2P4	186.2480388	211.2429808	126.7855169	
145.1841506					
RXFP4	RXFP4	8.199599194	5.07795627	37.49994163	
6.599279573					
SNORD22	SNORD22	42.16936728	31.48332888	79.46416202	
50.90872813					
PP7080	PP7080	812.9316915	776.9273093	1203.569555	

1116.221002					
KHDRBS3	KHDRBS3	28.11291152	42.65483267	26.78567259	
9.427542247					
GID4	GID4	486.1190951	346.3166176	434.8207517	
568.4807975					
PKD1L1	PKD1L1	11.71371313	3.046773762	21.42853807	
42.42394011					
LOC155060	LOC155060		72.62502143	29.45214637	
143.7497762	93.33266825				
LOC145474	LOC145474		4.685485254	4.062365016	
9.821413283	12.25580492				
AMY2B	AMY2B	51.54033779	37.5768764	86.60700804	
149.8979217					
OSER1	OSER1	2019.444144	2776.626489	4786.599692	
3327.922413					
PGRMC2	PGRMC2	1132.71606	371.706399	782.1416397	
738.176558					
MIR484	MIR484	0	1.015591254	5.357134518	0
AIG1	AIG1	359.6109932	248.8198572	508.9277792	
466.6633412					
GALNT5	GALNT5	9.370970508	30.46773762	16.07140355	
1.885508449					
MFI2	MFI2	84.33873457	62.96665775	73.21417175	
61.27902461					
LOC100505841	LOC100505841	0	1.015591254	0	0
TPBGL	TPBGL	7.028227881	0	1.785711506	6.599279573
MPC1L	MPC1L	0	1.015591254	0	0
MAN2A2	MAN2A2	4770.99536	2184.536787	2337.496361	
3118.630975					
DUSP8	DUSP8	2.342742627	7.109138778	33.03566286	
16.02682182					
DUSP2	DUSP2	5720.977495	7387.410782	9798.199034	
11619.44582					
ELM03	ELM03	36.31251072	11.17150379	32.14280711	
15.0840676					
C2orf61	C2orf61	1.171371313	2.031182508	2.678567259	
6.599279573					
BTN2A3P	BTN2A3P	9.370970508	17.26505132	60.71419121	
81.07686333					
EN01-AS1	EN01-AS1		52.71170911	88.3564391	
82.14272928	109.3594901				
STK4-AS1	STK4-AS1		19.91331233	36.56128515	
54.46420093	19.79783872				
LOC284889	LOC284889		22047.55086	26270.29897	
18305.32865	19759.1858				
C15orf39	C15orf39		1308.421757	565.6843285	
283.9281295	205.520421				
CCR5	CCR5	3970.948753	2190.630335	165.1783143	
1851.569297					
SLC11A1	SLC11A1	42.16936728	22.34300759	16.07140355	

2.828262674						
ATP5B	ATP5B	78722.00912	114298.7021	57718.66015		
62664.87332						
FLJ23867	FLJ23867		30.45565415	6.093547524		
19.64282657	20.74059294					
LOC101928436	LOC101928436		1.171371313	0	0	0
MIR647	MIR647	7.028227881	3.046773762	11.60712479		
12.25580492						
MIR663A	MIR663A	0	0	1.785711506	0	
AP00P5	AP00P5	0	0	1.785711506	0	
FAS-AS1	FAS-AS1	91.36696245	86.32525659	191.0711311		
107.4739816						
PHKA2-AS1	PHKA2-AS1		124.1653592	77.18493531		
117.8569594	126.3290661					
TMEM55A	TMEM55A	641.9114798	649.9784026	859.8200902		
878.6469374						
GYLTL1B	GYLTL1B	5.856856567	4.062365016	21.42853807		
68.8210584						
SNORD116-4	SNORD116-4		2.342742627	2.031182508		
8.035701777	7.542033798					
ADIPOQ-AS1	ADIPOQ-AS1		1.171371313	0	0	0
NEAT1	NEAT1	1631.72024	370.6908077	799.105899		
1462.211803						
TTY15	TTY15	1113.974119	0	0	1155.81668	
NCRNA00185	NCRNA00185		7.028227881	0	0	0
LOC284009	LOC284009		21.08468364	8.124730032		
66.96418148	18.85508449					
MIR16-1	MIR16-1	1.171371313	0	1.785711506	1.885508449	
MIR15A	MIR15A	1.171371313	0	0	0	
MIR1972-2	MIR1972-2		4.685485254	0	0	0
MIR1244-3	MIR1244-3		8910.621581	8917.906802		
7433.024144	7996.441334					
KCNQ5-AS1	KCNQ5-AS1		7.028227881	0	0	0
MIR181A1HG	MIR181A1HG		134.707701	99.5279429		
52.67848943	34.88190631					
MFN1	MFN1	1543.867391	1270.504659	920.5342814		
1355.680575						
C19orf33	C19orf33		2.342742627	7.109138778		
45.5356434	7.542033798					
ARHGAP18	ARHGAP18		527.1170911	650.9939938		
635.7132962	595.82067					
MYBL2	MYBL2	20687.58877	26870.5134	5053.563562		
9229.56386						
FAM32A	FAM32A	8725.544914	11969.75852	7299.095781		
6744.463724						
SOX4	SOX4	1938.619524	1185.194993	119.6426709		
501.5452475						
SOX2	SOX2	0	0	3.571423012	0	
SORL1	SORL1	5089.608357	3261.063517	9557.12798		
8935.424542						

NDUFB7	NDUFB7	3063.135985	4679.844499	2550.888886	
2514.325517					
KCNMB1	KCNMB1	45.68348122	23.35859884	0	0.942754225
TMA7	TMA7	8392.875461	11275.0941	8466.05825	
7445.872867					
EMP1	EMP1	291.6714571	456.0004731	195.5354099	
354.4755885					
RPL29	RPL29	12904.99776	17026.38737	13519.62181	
13072.23008					
AVIL	AVIL	124.1653592	78.20052656	139.2854975	
113.130507					
EIF1B-AS1	EIF1B-AS1		59.73993699	64.99784026	
208.9282462	60.33627038				
PXN-AS1	PXN-AS1	966.3813336	1086.682642	766.0702361	
714.6077023					
LOC100134317	LOC100134317		0	0.892855753	0
KCNQ1	KCNQ1	312.7561407	315.84888	458.0350013	
575.0800771					
TMEM56-RWDD3	TMEM56-RWDD3		301.0424276	439.751013	
392.8565313	392.1857575				
NOTUM	NOTUM	4.685485254	6.093547524	23.21424958	
8.484788022					
DTX3	DTX3	352.5827654	184.8376082	333.0351959	
428.010418					
CCDC114	CCDC114	3.51411394	15.23386881	4.464278765	
12.25580492					
RIBC2	RIBC2	60.9113083	134.0580455	73.21417175	
143.2986422					
KIAA1279	KIAA1279		2018.272773	2397.810951	
1596.426086	2237.155775				
SCARNA9L	SCARNA9L		9.370970508	4.062365016	
11.60712479	10.37029647				
SRSF4	SRSF4	9582.988715	11672.19028	8516.951028	
9060.810854					
FAM133DP	FAM133DP		784.81878	806.3794557	
1016.069847	888.0744797				
RAX	RAX	2.342742627	0	0	0
PSMB1	PSMB1	21612.9721	28574.67552	19408.89836	
18327.14213					
PSMA7	PSMA7	27312.86492	34851.02947	20023.18312	
20478.50727					
PSMA2	PSMA2	23475.45249	27255.42248	16348.18884	
17106.27541					
SPATA3-AS1	SPATA3-AS1		142.9073002	120.8553592	
34.82137437	50.90872813				
NUMA1	NUMA1	13484.82656	7825.130612	10503.55508	
11107.53028					
TECTA	TECTA	15.22782708	10.15591254	8.92855753	0
PURB	PURB	1037.834984	919.1100849	844.6415424	
731.5772784					

ANKRD13B	ANKRD13B	65.59679355	52.81074521
62.49990271	45.25220279		
LSM12 LSM12	3061.964613	3943.540839	2503.567531
2781.124963			
SPATA32 SPATA32	39.82662466	57.88870148	79.46416202
64.10728728			
CCDC13 CCDC13	9.370970508	15.23386881	11.60712479
12.25580492			
LOC102723439	LOC102723439	31.62702546	39.60805891
64.28561422	49.96597391		
FLJ41941	FLJ41941	0	1.015591254 0 0
LMOD1 LMOD1	0 0	1.785711506	0
CLCA4 CLCA4	0 0	0	0.942754225
LOC101927620	LOC101927620	15.22782708	28.43655511
19.64282657	37.71016899		
CELSR3 CELSR3	429.893272	184.8376082	160.7140355
231.9175393			
FBX017 FBX017	0 0	1.785711506	1.885508449
SPRYD4 SPRYD4	383.0384195	513.8891745	680.3560838
526.0568574			
PAGE2 PAGE2	0 0	0.892855753	0
ZNF467 ZNF467	1.171371313	0	110.7141134 46.19495701
ERICH1 ERICH1	807.074835	870.3617047	825.8915716
1026.659351			
VPS25 VPS25	3884.267275	4590.472468	2553.567454
2860.316318			
PBDC1 PBDC1	2309.94423	2970.604418	2513.388945
2341.801494			
IP04 IP04	3327.865902	4901.243392	3920.529612
3519.301521			
OR3A4P OR3A4P	0 0	0	4.713771124
PMS2P1 PMS2P1	1508.726252	1548.776662	1424.997782
1675.274257			
GOLGA8I GOLGA8I	0 0	0.892855753	0
ZBTB26 ZBTB26	146.4214142	95.46557788	101.7855558
169.6957604			
AP5M1 AP5M1	4287.219007	4625.002571	4941.956593
4581.785532			
EFCAB6 EFCAB6	16.39919839	15.23386881	14.28569205
6.599279573			
NAA15 NAA15	5196.203147	5258.731513	5019.635044
5278.480904			
SPAG7 SPAG7	3934.636242	4969.288006	3378.566169
3634.317536			
CTTNBP2NL	CTTNBP2NL	188.5907815	299.5994199
125.8926612	192.3218618		
USPL1 USPL1	1547.381505	1205.506819	3069.638079
2020.322304			
SAMHD1 SAMHD1	20040.9918	24730.66263	13416.9434
14152.62642			

RRP1B	RRP1B	6967.316572	6358.616842	5798.20526	
5787.568186					
CST3	CST3	28.11291152	20.31182508	20.53568232	
29.22538097					
TOLLIP-AS1	TOLLIP-AS1		32.79839678	36.56128515	
48.21421066	16.96957604				
STAB2	STAB2	1.171371313	1.015591254	16.07140355	
10.37029647					
NDUFAF6	NDUFAF6	969.8954475	1043.012218	983.9270398	
1013.460792					
POU5F1P4	POU5F1P4		15.22782708	15.23386881	
28.5713841	20.74059294				
ZNF702P	ZNF702P	23.42742627	18.28064257	388.3922526	
287.5400385					
ABCA17P	ABCA17P	10.54234182	8.124730032	22.32139383	
12.25580492					
BCRP3	BCRP3	5.856856567	0	0	15.0840676
GUCY1B2	GUCY1B2	0	0	1.885508449	
MIR98	MIR98	7.028227881	1.015591254	8.92855753	
0.942754225					
LINC00312	LINC00312		0	2.031182508	0.892855753
0					
HSPA12A	HSPA12A	0	7.109138778	25.89281684	0
KRTAP5-AS1	KRTAP5-AS1		3.51411394	0	1.785711506
6.599279573					
LOC100130331	LOC100130331		1.171371313	2.031182508	0
0					
SUZ12P1	SUZ12P1	181.5625536	61.9510665	135.7140745	
167.810252					
LOC100131691	LOC100131691		187.4194102	174.6816957	
412.4993579	223.4327513				
ZNF217	ZNF217	1260.395533	867.314931	899.1057433	
922.0136318					
DYNLT3	DYNLT3	729.7643283	1082.620277	3648.208607	
3039.43962					
VTRNA1-2	VTRNA1-2		0	0	0.892855753
EGOT	EGOT	4.685485254	30.46773762	9.821413283	0
15.0840676					
SEC1P	SEC1P	7.028227881	16.24946006	58.03562395	
55.62249926					
RFXAP	RFXAP	504.8610361	460.0628381	363.3922915	
408.2125793					
IFNAR1	IFNAR1	3733.160376	3439.807577	4192.850616	
4306.501299					
TPST1	TPST1	38.65525334	157.4166444	144.642632	
62.22177883					
TTF2	TTF2	4674.942912	4311.184873	2613.388789	
3365.632582					
FAAHP1	FAAHP1	40.99799597	2.031182508	3.571423012	
33.93915209					

HIF1A-AS2	HIF1A-AS2	2615.672143	1241.052512	
2157.139499	4301.787527			
MFSD3 MFSD3	371.3247064	573.8090585	430.356473	
409.1553335				
LGALSL LGALSL	98.39519033	140.1515931	41.07136464	
143.2986422				
TPT1-AS1	TPT1-AS1	290.5000857	250.8510398	
280.3567065	450.6365194			
LINC00654	LINC00654	5.856856567	4.062365016	0
1.885508449				
WEE2-AS1	WEE2-AS1	3.51411394	16.24946006	
31.24995136	16.02682182			
LINC00667	LINC00667	957.0103631	1179.101446	
1808.925756	1686.587308			
LOC100126784	LOC100126784	4.685485254	5.07795627	
8.035701777	4.713771124			
CD27-AS1	CD27-AS1	4225.136328	5859.961536	
2768.74569	3258.158601			
TP53TG1 TP53TG1	657.1393069	707.8671041	748.213121	
734.4055411				
A1BG-AS1	A1BG-AS1	331.4980817	237.6483534	
487.4992412	376.1589357			
ZNF674-AS1	ZNF674-AS1	159.3064986	214.2897546	
240.1781976	194.2073703			
PAX8-AS1	PAX8-AS1	1816.796907	642.8692638	
722.3203042	1764.835909			
MIR4323 MIR4323	0 1.015591254 0	0.942754225		
VLDLR-AS1	VLDLR-AS1	4.685485254	4.062365016	
16.07140355	13.19855915			
LINC01128	LINC01128	617.3126822	770.8337618	
1334.819351	1119.049265			
SNHG17 SNHG17	798.8752358	893.7203036	1449.997743	
1103.965197				
LOC441204	LOC441204	5.856856567	0 0 0	
GLIDR GLIDR	99.56656164	165.5413744	158.0354683	
95.2181767				
NPHS1 NPHS1	0 0	2.678567259	0	
RNF20 RNF20	2847.603663	3033.571076	3414.2804	
3584.351562				
HCFC1 HCFC1	5325.053991	2347.031388	2856.245554	
2396.481239				
NPBWR1 NPBWR1	0 5.07795627 1.785711506 0			
RAC3 RAC3	5.856856567	1.015591254	0 1.885508449	
TXLNB TXLNB	10.54234182	14.21827756	55.35705669	
28.28262674				
ROCK2 ROCK2	1970.246549	1609.712138	1796.425775	
2192.846327				
KL KL	37.48388203	73.12257029	101.7855558	
16.96957604				
LOC283692	LOC283692	1.171371313	0 7.142846024	

		1.885508449			
LOC441081	LOC441081	0	2.031182508	0.892855753	
		2.828262674			
EDC4	EDC4	12113.15075	12146.4714	10074.98432	
9209.766021					
GATC	GATC	9023.073228	10373.24907	6849.989337	
7436.445325					
TMEM246	TMEM246	0	5.07795627	0	1.885508449
DKFZP434I0714	DKFZP434I0714	167.5060978			111.7150379
118.7498152	167.810252				
INGX	INGX	1.171371313	6.093547524		11.60712479
7.542033798					
ITPKA	ITPKA	289.3287144	334.1295226		28.5713841
76.3630922					
ABCB6	ABCB6	1951.504608	2340.937841		871.427215
1092.652146					
KMO	KMO	775.4478095	793.1767694		587.4990855
591.1068989					
SLC6A16	SLC6A16	46.85485254	39.60805891		48.21421066
185.7225823					
CECR7	CECR7	12.88508445	18.28064257		83.03558503
18.85508449					
GPR82	GPR82	166.3347265	113.7462205		60.71419121
74.47758375					
CHD6	CHD6	804.7320923	655.0563589		1498.211954
1417.902354					
NCBP2-AS2	NCBP2-AS2		1894.107414		2493.276529
2583.924549	2126.853531				
C16orf91	C16orf91		1041.349098		1372.063784
1358.926456	1083.224604				
STRAP	STRAP	10744.98906	11074.00703		7741.952235
8442.364082					
HMOX1	HMOX1	4387.95694	6081.360429		907.1414451
1331.168965					
HLA-DRB5	HLA-DRB5		3361.83567		714.9762429
203.5711117	1161.473205				
PTENP1	PTENP1	10.54234182	9.140321286		8.035701777
5.656525348					
UBA6-AS1	UBA6-AS1		475.5767533		407.2520929
735.7131405	514.7438067				
ADPRHL2	ADPRHL2	2826.518979	4113.144579		4395.528872
3417.484065					
5-Mar	5-Mar	2789.035097	2701.472736		2457.139032
2591.631364					
LOC101927354	LOC101927354		19.91331233		8.124730032
24.99996108	12.25580492				
CLEC18B	CLEC18B	2.342742627	0	1.785711506	1.885508449
COLGALT1	COLGALT1		4227.47907		4798.668675
3602.672963	3380.71665				
COX5A	COX5A	14218.105	15123.16936		7592.845324

9426.599493				
SLC22A4	SLC22A4	17.5705697	5.07795627	21.42853807
45.25220279				
RYK	RYK	401.7803605	282.3343686	1442.854897
1245.378331				
GOLGA8R	GOLGA8R	0	6.093547524	2.678567259
				5.656525348
XXYLT1-AS2	XXYLT1-AS2		89.02421982	63.98224901
24.10710533		51.85148236		
RAB44	RAB44	7.028227881	0	0
LOC727896	LOC727896		21.08468364	2.031182508
8.035701777		28.28262674		
PWRN2	PWRN2	0	0	6.249990271
				0.942754225
MUC5B	MUC5B	0	0	1.885508449
ALMS1	ALMS1	500.1755508	219.3677109	419.6422039
479.8619004				
SUGP1	SUGP1	2461.05113	2874.123249	2309.817833
1974.127347				
TNNC2	TNNC2	5.856856567	9.140321286	7.142846024
7.542033798				
AP3S1	AP3S1	1690.288805	2054.541107	2341.96064
2001.467219				
QPCT	QPCT	125.3367305	286.3967336	762.4988131
345.0480462				
CHAF1B	CHAF1B	3298.581619	4029.866096	1547.31902
2142.880353				
TLR6	TLR6	124.1653592	60.93547524	34.82137437
41.48118589				
KIAA0753	KIAA0753		728.592957	701.7735565
574.999105		617.5040172		
DHRS7B	DHRS7B	1112.802748	2042.354012	972.319915
873.9331663				
KIAA0754	KIAA0754		65.59679355	41.63924142
111.6069691		83.905126		
SLC38A7	SLC38A7	828.1595186	1009.497707	1172.319604
964.4375719				
MOB1A	MOB1A	11015.57583	11408.13656	7967.84474
8897.714373				
C1QL4	C1QL4	0	0	0.942754225
NUDC	NUDC	11138.56982	16459.68745	12898.19421
11591.16319				
HPGDS	HPGDS	365.4678498	803.332682	49.10706642
101.8174563				
BMP10	BMP10	1.171371313	6.093547524	0
IKZF5	IKZF5	1697.317033	1550.807845	3685.708549
2569.948017				
SCARNA6	SCARNA6	1.171371313	0	0
HIATL2	HIATL2	358.4396219	433.6574655	3.771016899
488.3466884				642.8561422
POP7	POP7	2595.758831	3702.845712	2414.281956
2296.549291				

PIP4K2A PIP4K2A	5731.519837	2503.432441	3341.066228	
3936.941642				
MIR6730 MIR6730	3.51411394	5.07795627	16.96425931	
8.484788022				
ANKK1 ANKK1	1.171371313	1.015591254	19.64282657	
38.65292321				
MED19 MED19	863.300658	1052.152539	1004.462722	
923.8991402				
MEA1 MEA1	4872.904664	6412.443178	4866.063854	
4615.724684				
LOC101927572	LOC101927572	127.6794732	136.089228	
69.64274874	89.56165135			
PARVA PARVA	0 0	7.142846024	12.25580492	
ZNF224 ZNF224	906.6413966	868.3305222	2294.639285	
1965.642559				
CEP350 CEP350	4152.511306	2954.354958	4247.314817	
5231.343193				
LOC100129931	LOC100129931	4311.817805	3985.180081	
2414.281956	3264.75788			
CEACAM22P	CEACAM22P	0 0	0.892855753	0
DDX11-AS1	DDX11-AS1	53.88308042	90.38762161	
29.46423985	21.68334717			
PRKAG2-AS1	PRKAG2-AS1	8.199599194	19.29623383	
124.9998054	95.2181767			
LOC100288181	LOC100288181	0 1.015591254	20.53568232	
15.0840676				
LINC00886	LINC00886	135.8790724	55.85751897	
17.85711506	31.11088942			
LINC01125	LINC01125	15.22782708	9.140321286	
40.17850889	13.19855915			
LOC643770	LOC643770	35.1411394	20.31182508	
22.32139383	35.82466054			
TSC22D1-AS1	TSC22D1-AS1	9.370970508	4.062365016	
62.49990271	18.85508449			
SLC7A11-AS1	SLC7A11-AS1	36.31251072	18.28064257	
25.89281684	33.93915209			
LOC100128993	LOC100128993	1.171371313	0 0	
2.828262674				
DNAJC9-AS1	DNAJC9-AS1	51.54033779	37.5768764	
67.85703723	32.05364364			
SASH3 SASH3	25513.63858	33436.31086	9535.699442	
13903.73931				
RPS2P32 RPS2P32	77.31050669	171.6349219	73.21417175	
29.22538097				
ZNF300P1	ZNF300P1	0 0	0 2.828262674	
PRSS30P PRSS30P	9.370970508	12.18709505	16.96425931	
17.91233027				
ULK4P3 ULK4P3	0 1.015591254	0	0	
ULK4P1 ULK4P1	0 1.015591254	0	0	
BAIAP2-AS1	BAIAP2-AS1	11.71371313	0 27.67852834	

	35.82466054				
LINC00265	LINC00265	385.3811621	351.3945739		
265.1781587	257.3719033				
LOC91450	LOC91450	10.54234182	7.109138778		
33.92851862	8.484788022				
LOC285074	LOC285074	1253.367305	1075.511138		
1558.033289	1053.056469				
DBH-AS1	DBH-AS1	1.171371313	2.031182508	38.39279738	
21.68334717					
LBX2-AS1	LBX2-AS1	42.16936728	35.54569389		0
	0.942754225				
HCAR2	HCAR2	2.342742627	6.093547524	16.07140355	
6.599279573					
SNORA1	SNORA1	4.685485254	4.062365016	10.71426904	
4.713771124					
PDRG1	PDRG1	1677.403721	2377.499126	1942.854119	
1881.737433					
NUAK2	NUAK2	188.5907815	202.1026596	3912.49391	
2043.891159					
ALG10	ALG10	372.4960777	363.581669	251.7853224	
377.1016899					
NCAM1-AS1	NCAM1-AS1	0	6.093547524	0	0
LINC01185	LINC01185	3.51411394	1.015591254		
7.142846024	0.942754225				
CMAHP	CMAHP	5508.959287	7498.110229	2858.924121	
3489.133386					
ZNF503-AS2	ZNF503-AS2	3.51411394	1.015591254		0
	1.885508449				
LINC00937	LINC00937	0	1.015591254	0	
5.656525348					
SCAMP2	SCAMP2	7307.014253	8235.429479	7435.702711	
7460.01418					
PDCD7	PDCD7	1171.371313	1496.981508	1576.78326	
1258.57689					
ASNA1	ASNA1	5122.406754	7421.940885	3743.744172	
3918.086558					
SERINC3	SERINC3	12434.10649	12470.44501	13180.33663	
13104.28372					
LOC101929125	LOC101929125	30.45565415	21.32741634		
23.21424958	42.42394011				
ZFP3	ZFP3	59.73993699	62.96665775	669.6418148	
477.0336377					
LOC100133985	LOC100133985	35.1411394	33.51451138		
15.1785478	10.37029647				
LOC100133920	LOC100133920	1.171371313	0	0	0
CIR1	CIR1	1105.77452	1200.428862	2221.425114	
2009.009253					
MYOM2	MYOM2	522.4316058	752.5531193	393.7493871	
229.0892766					
EID1	EID1	9588.845572	9287.582018	4848.206739	

7994.555826						
HCG11 HCG11	140.5645576	128.9800893	394.6422428			
313.9371568						
FOXD2-AS1	FOXD2-AS1	108.9375322	58.90429273			
18.74997081	39.59567744					
MIR5684 MIR5684	0 0	3.571423012	0			
MIR548AV	MIR548AV	1.171371313	0 0	0		
NUP160 NUP160	11487.63847	11245.64196	10408.91237			
9317.240003						
TTC30B TTC30B	195.6190093	144.2139581	216.0710922			
177.2377942						
HCAR3 HCAR3	0 1.015591254	37.49994163	0			
HS6ST1 HS6ST1	948.8107639	889.6579385	1174.998171			
929.5556656						
SH2B2 SH2B2	28.11291152	52.81074521	80.35701777			
65.99279573						
MIR374C MIR374C	4.685485254	5.07795627	6.249990271			
1.885508449						
SETD2 SETD2	4385.614198	2493.276529	4577.671446			
4660.034133						
PIK3C2B PIK3C2B	268.2440308	53.82633646	218.7496595			
393.1285117						
CHRM1 CHRM1	0 0	13.3928363	0			
SSC4D SSC4D	51.54033779	44.68601518	71.42846024			
49.02321969						
DENND6A DENND6A	1366.990323	687.555279	881.2486282			
1144.503629						
SIAH2 SIAH2	11118.65651	8191.759055	5549.991361			
7985.128283						
SFPQ SFPQ	27111.38905	28596.00294	17809.79371			
20983.82353						
CHRM3 CHRM3	3.51411394	10.15591254	0 13.19855915			
BLVRB BLVRB	673.5385052	793.1767694	1368.747869			
972.9223599						
SAYSD1 SAYSD1	668.85302	880.5176173	1078.56975			
1103.965197						
BRIX1 BRIX1	4021.317719	4929.679947	4462.493054			
4806.161038						
TBKBP1 TBKBP1	84.33873457	12.18709505	90.17843106			
69.76381263						
DOCK4 DOCK4	9.370970508	17.26505132	24.10710533			
37.71016899						
LOC100133091	LOC100133091	234.2742627	135.0736368			
262.4995914	229.0892766					
LOC389765	LOC389765	44.51210991	47.73278894			
307.142379	173.4667773					
GPR160 GPR160	144.0786716	89.37203036	236.6067746			
261.1429202						
RNF11 RNF11	1500.526653	1079.573503	1978.568349			
1672.445995						

FAM162A	FAM162A	2236.147837	2832.484008	3150.887952
2922.538097				
NBR2	NBR2	241.3024906	258.9757698	308.9280905
229.0892766				
KGFLP1	KGFLP1	7.028227881	24.3741901	88.39271955
36.76741476				
LOC728024	LOC728024		18.74194102	32.49892013
48.21421066	12.25580492			
KGFLP2	KGFLP2	14.05645576	26.40537261	82.14272928
49.02321969				
ZBED3-AS1	ZBED3-AS1		0	1.015591254
2.828262674				17.85711506
NME7	NME7	1484.127454	1401.515931	820.534437
1021.002825				
ABHD6	ABHD6	653.6251929	2366.327622	2775.888536
752.3178713				
MTVR2	MTVR2	9.370970508	6.093547524	30.3570956
9.427542247				
LOC645752	LOC645752		0	0
LOC643387	LOC643387		4.685485254	0.942754225
5.656525348				2.031182508
ASH1L-AS1	ASH1L-AS1		253.0162037	222.4144846
323.2137826	286.5972843			
MAST1	MAST1	39.82662466	43.67042392	1.785711506
33.93915209				
CHCHD2	CHCHD2	23871.376	30048.29843	16800.8667
17773.7454				
COPG1	COPG1	14984.18184	21350.77493	13876.76411
14335.52074				
TAS2R13	TAS2R13	1.171371313	0	0
LZTS2	LZTS2	648.9397077	770.8337618	1358.926456
973.8651141				
HS6ST3	HS6ST3	0	7.142846024	0
ORA0V1	ORA0V1	350.2400227	312.8021062	612.4990466
444.9799941				
ESX1	ESX1	0	1.015591254	0
NDNL2	NDNL2	2116.667963	2581.632968	5174.991945
3662.600163				
MUCL1	MUCL1	0	0	11.3130507
HSPA5	HSPA5	45326.21297	71013.18726	58401.69481
49928.26374				
CAPN7	CAPN7	2089.726423	2060.634654	3515.1731
3049.809917				
UGGT1	UGGT1	6050.132834	4100.957484	3143.745106
3356.20504				
FBXL12	FBXL12	554.0586313	470.2187506	606.2490563
543.0264334				
RWDD4	RWDD4	1547.381505	1492.919143	1366.069302
1228.408755				
SLC10A4	SLC10A4	0	1.015591254	0
				0.942754225

TMEM154	TMEM154	1426.73026	1297.925623	1306.247967	
		1132.247824			
LGALS2	LGALS2	0	0	8.035701777	0
FBX08	FBX08	1097.574921	1186.210585	1246.426631	
		1231.237017			
FBX07	FBX07	9786.807324	12316.07514	11572.30342	
		11242.34413			
MY015A	MY015A	3.51411394	2.031182508	20.53568232	
		39.59567744			
WHAMMP3	WHAMMP3	2.342742627	7.109138778	219.6425152	
		226.2610139			
LOC148696	LOC148696		7.028227881	0	0
		3.771016899			
TINCR	TINCR	0	12.18709505	99.99984434	8.484788022
TTC28-AS1	TTC28-AS1		405.2944745	215.3053459	
		216.963948			
LINC00116	LINC00116		805.9034637	833.8004196	
		993.7484531			
LOC284837	LOC284837		19.91331233	11.17150379	
		9.821413283			
SARNP	SARNP	5403.535869	6526.189399	4452.67164	
		4851.41324			
FAM222A-AS1	FAM222A-AS1	0	1.015591254	0	0
LOC400043	LOC400043		1.171371313	5.07795627	0
		0			
FLVCR1-AS1	FLVCR1-AS1		245.9879758	279.2875949	
		182.1425736			
GIF	GIF	0	1.015591254	0	0
CTAGE8	CTAGE8	2.342742627	2.031182508	1.785711506	0
SMG1P3	SMG1P3	504.8610361	318.8956538	680.3560838	
		594.8779158			
ACTR1B	ACTR1B	1236.968107	794.1923607	846.4272539	
		1028.544859			
HDAC6	HDAC6	3463.744974	3359.575868	2391.960562	
		3107.317925			
MY05A	MY05A	4824.87844	3338.248452	1554.461866	
		3919.972066			
IDUA	IDUA	306.8992841	204.1338421	282.142418	
		410.0980878			
ULK1	ULK1	458.0061836	232.5703972	277.6781392	
		199.8638956			
UBA2	UBA2	9342.857596	6587.124874	6735.703801	
		6719.952114			
EXD3	EXD3	183.9052962	153.3542794	91.96414256	
		278.1124963			
MIR4258	MIR4258	8.199599194	9.140321286	8.035701777	
		9.427542247			
MAN1B1-AS1	MAN1B1-AS1		87.85284851	89.37203036	
		137.499786			
KTN1-AS1	KTN1-AS1		46.85485254	23.35859884	

89.2855753	50.90872813				
LOC100272216	LOC100272216	7.028227881		9.140321286	
12.49998054	16.02682182				
ARRDC3-AS1	ARRDC3-AS1	22.25605496		27.42096386	
85.71415229	29.22538097				
HSD52 HSD52	1.171371313	5.07795627		8.035701777	
0.942754225					
IGFBP7-AS1	IGFBP7-AS1	3.51411394		1.015591254	0
0.942754225					
LOC100131635	LOC100131635	0	0	0.892855753	0
SIGLEC16	SIGLEC16	0	0	8.92855753	
3.771016899					
GDI1 GDI1	4211.079872	3880.574182		4508.028697	
4508.250703					
FAM83H FAM83H	18.74194102	16.24946006		5.357134518	
4.713771124					
RTN4IP1 RTN4IP1	1088.20395	1534.558385		732.1417175	
668.4127453					
RCN3 RCN3	77.31050669	43.67042392		99.99984434	
97.10368515					
CBX8 CBX8	122.9939879	115.777403		135.7140745	
134.8138541					
DDX23 DDX23	7681.853074	8633.541251		9511.592337	
7682.504177					
ABCC1 ABCC1	4450.03962	3127.005471		2447.317619	
2803.751064					
LOC653513	LOC653513	3.51411394		3.046773762	
3.571423012	3.771016899				
STK16 STK16	2383.740623	2003.761544		1210.712401	
1557.429979					
LOC100128361	LOC100128361	242.4738619		255.928996	
153.5711895	219.6617344				
LOC728752	LOC728752	69.11090749		73.12257029	
194.6425542	100.874702				
USP27X USP27X	18.74194102	14.21827756		67.85703723	
57.50800771					
EPB41L3 EPB41L3	1.171371313	100.5435342		178.5711506	
21.68334717					
OAF OAF	173.3629544	255.928996		112.4998249	
115.9587696					
STKLD1 STKLD1	62.08267961	66.01343151		102.6784116	
87.6761429					
CDRT15P1	CDRT15P1	35.1411394		8.124730032	
4.464278765	16.02682182				
GOLGA8M GOLGA8M	0 0	12.49998054		0.942754225	
QS0X2 QS0X2	234.2742627	108.6682642		110.7141134	
160.2682182					
TSG1 TSG1	0 0	0.892855753		0	
MAPKAPK5-AS1	MAPKAPK5-AS1	1842.567076		1990.558858	
2383.924861	1804.431586				

FLJ13224	FLJ13224	92.53833376	83.27848283		
107.1426904	66.93554995				
CCDC177	CCDC177	0	3.046773762	0.892855753	0
BBS1	BBS1	536.4880616	647.9472201	702.6774776	
708.0084228					
LOC101929384	LOC101929384	0	0	1.785711506	
2.828262674					
EVPL	EVPL	4.685485254	0	0	0
FRY	FRY	219.0464356	154.3698706	222.3210825	
139.5276253					
PPAP2B	PPAP2B	0	0	0.892855753	0
NDST2	NDST2	4067.0012	4062.365016	5459.81293	
6044.940089					
PGS1	PGS1	3188.472715	2991.931834	3370.530468	
2943.27869					
C21orf91-OT1	C21orf91-OT1		148.7641568	125.9333155	
166.0711701	160.2682182				
LOC100505666	LOC100505666		37.48388203	71.09138778	
73.21417175	56.56525348				
USP2-AS1	USP2-AS1		1.171371313	4.062365016	
11.60712479	2.828262674				
FLJ30403	FLJ30403		12.88508445	8.124730032	
42.85707615	49.02321969				
LOC100507391	LOC100507391	0	2.031182508	0	0
LGALS17A	LGALS17A		33.96976809	67.02902277	
455.356434	259.2574118				
SPANXA2-OT1	SPANXA2-OT1	0	1.015591254	6.249990271	
0					
LOC100507140	LOC100507140	1.171371313	3.046773762	0	
4.713771124					
ZBED5-AS1	ZBED5-AS1	404.1231031	542.3257297		
624.9990271	596.7634242				
LINC00299	LINC00299	12.88508445	8.124730032		
3.571423012	9.427542247				
LOC100499194	LOC100499194	1.171371313	0	0	0
LINC01191	LINC01191	2.342742627	16.24946006	0	
1.885508449					
LINC01160	LINC01160	118.3085027	93.43439537		
143.7497762	136.6993626				
LINC00959	LINC00959	188.5907815	182.8064257		
276.7852834	384.6437237				
CKMT2-AS1	CKMT2-AS1	228.4174061	233.5859884		
274.9995719	222.489997				
STXBP5-AS1	STXBP5-AS1	60.9113083	95.46557788		
75.89273901	73.53482953				
LOC100288123	LOC100288123	7.028227881	2.031182508		
0.892855753	1.885508449				
SART3	SART3	5718.634752	6558.688319	6655.346783	
5723.460898					
NFE2L3	NFE2L3	4118.541538	6054.955057	2530.353204	

3102.604154					
MIR1284	MIR1284	2.342742627	0	1.785711506	0
MIR195	MIR195	1.171371313	4.062365016	2.678567259	
1.885508449					
LINC00333	LINC00333		8.199599194	1.015591254	
0.892855753	3.771016899				
LOC100506585	LOC100506585		0	0	0.892855753
NGRN	NGRN	2594.587459	3731.282267	5874.990855	0
4461.112991					
TBC1D29	TBC1D29	1.171371313	0	0	0
LOC100507577	LOC100507577		838.7018604	761.6934405	
1121.426826	965.3803261				
SMG1P7	SMG1P7	45.68348122	12.18709505	60.71419121	
47.13771124					
MFI2-AS1	MFI2-AS1		14.05645576	2.031182508	
5.357134518	21.68334717				
IPW	IPW	56.22582305	33.51451138	149.1069108	
128.2145746					
PEG3-AS1	PEG3-AS1		0	0	2.678567259
RNU4ATAC	RNU4ATAC		16.39919839	26.40537261	0
33.92851862	23.56885562				
LOC284454	LOC284454		83.16736326	88.3564391	
135.7140745	71.64932108				
ENPP6	ENPP6	33.96976809	42.65483267	22.32139383	
14.14131337					
SLC25A28	SLC25A28		1001.522473	884.5799823	
1351.78361	1395.276253				
ZNF750	ZNF750	3.51411394	2.031182508	0	1.885508449
FAM118B	FAM118B	1621.177898	1930.638974	1581.247539	
1439.585701					
OAS3	OAS3	15220.79885	12122.09721	15032.11946	
10966.11714					
PI4KAP1	PI4KAP1	71.45365012	116.7929942	353.5708782	
137.6421168					
DPY19L2P2	DPY19L2P2		124.1653592	129.9956805	
199.9996887	126.3290661				
MAP9	MAP9	183.9052962	149.2919143	335.7137631	
240.4023273					
LOC728392	LOC728392		180.3911823	107.6526729	
396.4279543	231.9175393				
NBPF12	NBPF12	324.4698538	175.697287	898.2128875	
539.2554165					
MIR548J	MIR548J	2.342742627	0	3.571423012	0
LOC728989	LOC728989		32.79839678	13.2026863	
4.464278765	31.11088942				
ICMT	ICMT	6231.695388	6306.821688	3538.387349	
4526.163033					
TMEM144	TMEM144	0	1.015591254	7.142846024	0
ABHD1	ABHD1	269.4154021	293.5058724	290.1781197	
303.5668604					

DACT3	DACT3	25.7701689	91.40321286	114.2855364	
49.02321969					
MAB21L2	MAB21L2	1.171371313	0	0	0
IFITM2	IFITM2	8510.012592	5100.299278	7717.845129	
14962.4523					
ITGA5	ITGA5	749.6776406	896.7670773	2455.353321	
2399.309502					
UBR7	UBR7	9030.101455	9308.909435	5216.063309	
6036.455301					
USE1	USE1	966.3813336	674.3525927	881.2486282	
958.7810465					
SNTA1	SNTA1	460.3489262	523.0294958	738.3917078	
744.7758375					
TLR3	TLR3	26.94154021	12.18709505	99.99984434	
165.9247436					
TRIP6	TRIP6	1215.883423	1207.538001	732.1417175	
830.566472					
GNPDA1	GNPDA1	2033.5006	2182.505605	4008.029475	
3636.203045					
TPSG1	TPSG1	1.171371313	1.015591254	4.464278765	
1.885508449					
KCNH4	KCNH4	50.36896648	47.73278894	60.71419121	
36.76741476					
PPM1A	PPM1A	1445.472201	1076.526729	1381.24785	
1445.242226					
RDH10	RDH10	9115.611561	8189.727873	2801.781353	
3760.646602					
TEDDM1	TEDDM1	1.171371313	0	0	4.713771124
ZDHHC24	ZDHHC24	1323.649584	1615.805685	796.4273317	
820.1961755					
MRPS9	MRPS9	2463.393872	3017.321616	2467.853301	
2574.661788					
NUP85	NUP85	4574.204979	4764.138573	3134.816549	
3861.521304					
TEKT5	TEKT5	0	6.093547524	0	9.427542247
TOR4A	TOR4A	976.9236754	678.4149577	73.21417175	
186.6653365					
WDR18	WDR18	5065.009559	8046.529506	4370.528911	
4234.851977					
HSPA7	HSPA7	0	0	0.892855753	0
DLGAP1-AS1	DLGAP1-AS1	384.8208296	749.4896086	385.3811621	238.6639447
0ACYLP	0ACYLP	0	0	1.785711506	3.771016899
JAZF1-AS1	JAZF1-AS1	8.92855753	26.39711829	4.685485254	6.093547524
LINC00858	LINC00858	0	0	1.171371313	3.046773762
0					0
PMS2P5	PMS2P5	319.7843686	601.2300224	324.9994941	
269.6277083					
ACTL10	ACTL10	214.3609504	459.0472468	524.9991828	

395.0140202					
ZCCHC8	ZCCHC8	1714.887603	1622.914824	2387.496284	
2330.488443					
CAMK1D	CAMK1D	115.96576	89.37203036	341.0708977	
301.6813519					
IFI30	IFI30	3452.031261	4610.784293	3255.352076	
2295.606537					
PYG02	PYG02	3229.470711	3218.408684	3306.244853	
3345.834744					
GPT	GPT	0	0	0.892855753	0
OTUD6B	OTUD6B	1470.070998	1031.840714	1216.069536	
1489.551675					
ADAP2	ADAP2	9.370970508	26.40537261	72.321316	
16.96957604					
UBE2Z	UBE2Z	7372.611047	8020.124133	9633.020719	
8746.873697					
TMSB15B	TMSB15B	208.5040938	150.3075056	209.821102	
157.4399555					
ZNF367	ZNF367	2096.754651	1633.070737	1954.461243	
1880.794678					
LOC440461	LOC440461		5.856856567	2.031182508	
42.85707615	70.70656685				
IGF2-AS	IGF2-AS	0	0	1.885508449	
UGCG	UGCG	848.0728309	774.8961268	1096.426865	
1084.167358					
DBF4	DBF4	3495.371999	3687.611843	2001.782598	
2603.887169					
HIST2H2BC	HIST2H2BC		8.199599194	3.046773762	0
3.771016899					
POM121L9P	POM121L9P		0	1.015591254	0.892855753
0.942754225					
BIN3-IT1	BIN3-IT1		9.370970508	3.046773762	
24.99996108	4.713771124				
SNORD119	SNORD119		15.22782708	18.28064257	
25.89281684	20.74059294				
LINC01144	LINC01144		16.39919839	10.15591254	
33.92851862	32.99639787				
MST02P	MST02P	2140.09539	2659.833494	3601.780108	
3427.854361					
FAM86C2P	FAM86C2P		77.31050669	101.5591254	
166.9640258	215.8907175				
PSMD5-AS1	PSMD5-AS1		443.9497278	717.0074254	
1932.13985	518.5148236				
RBAKDN	RBAKDN	1.171371313	5.07795627	6.249990271	
0.942754225					
MIR4305	MIR4305	0	2.031182508	0.892855753	0
WDFY3-AS2	WDFY3-AS2	0	0	3.571423012	0
CWC25	CWC25	1598.921843	2227.19162	2377.67487	
1733.725019					
ANKLE2	ANKLE2	6547.965642	7744.898903	6599.096871	

6818.941307					
LOC653653	LOC653653		1.171371313	0	2.678567259
	2.828262674				
LINC01366	LINC01366		25.7701689		28.43655511
68.74989298	17.91233027				
MDS2	MDS2	22.25605496	17.26505132		173.2140161
163.0964809					
VAC14-AS1	VAC14-AS1		284.6432292		451.9381081
471.4278376	394.0712659				
LOC100130950	LOC100130950		35.1411394		29.45214637
76.78559476	35.82466054				
DECR2	DECR2	336.183567	314.8332888		224.9996498
404.4415624					
PDS5B	PDS5B	6984.887142	6300.72814		5363.384508
5713.090602					
TOP3A	TOP3A	4308.303691	3877.527408		3579.458714
2926.309114					
TSPAN8	TSPAN8	0	0	0.942754225	
NICN1	NICN1	829.3308899	1050.121357		492.8563757
775.8867269					
SLC25A33	SLC25A33		1409.15969		1961.106712
1678.568816	1509.349514				
COQ5	COQ5	3228.29934	4201.501018		2607.138799
2548.264669					
WDR24	WDR24	1753.542856	2232.269576		2017.854002
1718.640952					
LOC101060211	LOC101060211		0	0	0.942754225
PTPLAD2	PTPLAD2	1773.456169	1230.8966		899.1057433
1177.500027					
CASC10	CASC10	2.342742627	2.031182508		0
ASPHD1	ASPHD1	7.028227881	5.07795627		23.21424958
13.19855915					
COL6A4P1	COL6A4P1		4.685485254		1.015591254
	3.771016899				0
AASDHPPT	AASDHPPT		4098.628226		4070.489746
4387.49317	4670.404429				
TAS1R3	TAS1R3	4.685485254	9.140321286		23.21424958
5.656525348					
LOC93622	LOC93622		998.0083591		1075.511138
1501.783377	1388.676973				
TRAF7	TRAF7	1912.849355	943.484275		855.3558114
837.1657515					
WRN	WRN	1335.363297	1195.350906		1192.855286
1263.290661					
ZNF19	ZNF19	39.82662466	63.98224901		166.0711701
119.7297865					
ZNF17	ZNF17	523.6029771	529.1230434		924.9985601
833.3947346					
BEST4	BEST4	10.54234182	11.17150379		66.07132572
14.14131337					

MCM3AP MCM3AP	8300.337127	5666.999198	6075.883399	
6198.609028				
TMEM63A TMEM63A	3549.25508	3165.597939	3249.994941	
3825.696644				
GTPBP4 GTPBP4	7187.534379	9413.515334	7079.453266	
7920.078242				
NFYC-AS1	NFYC-AS1	657.1393069	702.7891478	
822.3201485	576.9655855			
NDUFB2-AS1	NDUFB2-AS1	1549.724248	2312.501285	
1435.712051	1294.401551			
LINC00926	LINC00926	28.11291152	10.15591254	
1.785711506	9.427542247			
PTGES2-AS1	PTGES2-AS1	8.199599194	9.140321286	
7.142846024	12.25580492			
ANP32AP1	ANP32AP1	0	5.07795627	0
HTR7P1 HTR7P1	21.08468364	5.07795627	10.71426904	0
1.885508449				
PLOD3 PLOD3	1897.621528	2078.915297	1554.461866	
1458.440786				
PROCA1 PROCA1	63.25405093	24.3741901	89.2855753	
49.96597391				
SLC35G3 SLC35G3	4.685485254	2.031182508	8.035701777	
0.942754225				
ZNF597 ZNF597	174.5343257	161.4790094	348.2137437	
326.1929618				
ARX ARX	3.51411394	2.031182508	0	0
EIF3I EIF3I	14918.58505	25314.6276	12995.51549	
12219.98026				
NABP2 NABP2	1321.306842	518.9671308	303.570956	
389.3574948				
C7orf26 C7orf26	1579.008531	1352.76755	1330.355072	
1379.249431				
PDAP1 PDAP1	7161.76421	5112.486373	3273.209191	
3671.084951				
SDCCAG8 SDCCAG8	520.0888632	1429.952486	1371.426437	
907.8723184				
GPR75 GPR75	11.71371313	2.031182508	19.64282657	0
TEX15 TEX15	5.856856567	1.015591254	0	2.828262674
WDR3 WDR3	3687.476895	4671.719769	4566.064321	
4954.173451				
PEX14 PEX14	517.7461205	316.8644713	269.6424374	
234.745802				
NDUFA10 NDUFA10	6362.888975	7533.655923	4709.814097	
6416.385253				
CPLX1 CPLX1	24.59879758	1.015591254	2.678567259	
9.427542247				
JOSD1 JOSD1	917.1837384	831.7692371	741.9631308	
882.4179543				
PRKCA PRKCA	454.4920696	431.626283	313.3923693	
336.5632582				

DMRTA1	DMRTA1	0	4.062365016	13.3928363	0
C7	C7	0	0	0	0.942754225
NUCB1	NUCB1	7984.066873	6799.383446	5376.777345	
		5732.88844			
GTF3C3	GTF3C3	3845.612022	4047.131147	3448.208918	
		3834.181432			
HCFC2	HCFC2	1638.748468	1839.235761	1113.391124	
		1729.954002			
CCNB2	CCNB2	12011.24145	13546.97174	2104.46101	
		4281.989689			
ZNF443	ZNF443	330.3267104	331.0827488	532.1420288	
		455.3502905			
BHLHE40	BHLHE40	9749.323442	16207.82082	12513.37338	
		13810.40664			
IER2	IER2	9689.583505	15047.00002	10771.4118	
		8598.861284			
ORM1	ORM1	1.171371313	0	0	0
VPS26A	VPS26A	5021.668821	5828.478207	4620.528522	
		4953.230697			
MIR8052	MIR8052	0	1.015591254	0	0
SNORD4A	SNORD4A	30.45565415	17.26505132	60.71419121	
		43.36669434			
SNORD4B	SNORD4B	0	2.031182508	8.92855753	3.771016899
SNORD73A	SNORD73A		12.88508445	12.18709505	
		12.49998054	31.11088942		
IL2RB	IL2RB	34398.48999	30405.78656	18109.79324	
		29989.95464			
PSMB7	PSMB7	8160.943941	10868.8576	5877.669422	
		6779.34563			
HERC2	HERC2	1685.60332	1214.64714	866.0700804	
		968.2085888			
SNHG10	SNHG10	417.0081876	403.1897279	649.1061325	
		578.851094			
LOC100303749	LOC100303749		3.51411394	1.015591254	
		2.678567259	2.828262674		
NUFIP1	NUFIP1	707.5082733	918.0944937	784.8202069	
		812.6541417			
SMYD5	SMYD5	1398.617348	1875.797046	2526.781781	
		2181.533276			
FAM86HP	FAM86HP	40.99799597	24.3741901	33.92851862	
		23.56885562			
NCRUPAR	NCRUPAR	1.171371313	0	0	0
SMAD5-AS1	SMAD5-AS1		1.171371313	4.062365016	
		16.07140355	10.37029647		
LINC00240	LINC00240		1.171371313	0	1.785711506
		11.3130507			
LOC554206	LOC554206		44.51210991	41.63924142	
		150.8926223	130.100083		
CIRBP-AS1	CIRBP-AS1		55.05445173	53.82633646	
		217.8568037	83.905126		

ANKRD20A11P	ANKRD20A11P	76.13913537	8.124730032
33.03566286	72.5920753		
SEPT7P9 SEPT7P9	15.22782708	3.046773762	1.785711506
1.885508449			
LMCD1-AS1	LMCD1-AS1	0	2.031182508 1.785711506
0			
LINC00882	LINC00882	0	0 5.357134518 0
LINC00883	LINC00883	90.19559114	54.84192772
43.7499319	51.85148236		
SCGB1B2P	SCGB1B2P	1.171371313	2.031182508
8.92855753	9.427542247		
ZNF876P ZNF876P	29.28428284	20.31182508	23.21424958
50.90872813			
RNF217 RNF217	16.39919839	11.17150379	8.92855753
15.0840676			
LOC101927027	LOC101927027	992.1515025	617.4794825
522.3206155	440.2662229		
LINC00663	LINC00663	16.39919839	9.140321286
122.3212382	73.53482953		
FAM41C FAM41C	0 0	2.678567259	0
SFTA1P SFTA1P	0 0	0	0.942754225
MIR191 MIR191	12.88508445	13.2026863	12.49998054
15.0840676			
MIR135A1	MIR135A1	7.028227881	2.031182508
3.571423012	2.828262674		
MIR922 MIR922	351.411394	360.5348952	508.0349235
375.2161814			
WDR86-AS1	WDR86-AS1	131.1935871	19.29623383
62.49990271	50.90872813		
LOC100128593	LOC100128593	0	0 0 3.771016899
FAM181B FAM181B	0 0	2.678567259	0
ODF3L1 ODF3L1	1.171371313	0	0 1.885508449
SMURF2 SMURF2	699.3086741	407.2520929	1156.2482
911.6433353			
PPP1R2P9	PPP1R2P9	0	7.109138778 11.60712479
0			
FAM86FP FAM86FP	56.22582305	19.29623383	72.321316
50.90872813			
MTMR9LP MTMR9LP	15.22782708	14.21827756	22.32139383
15.0840676			
ZMYND19 ZMYND19	1983.131634	1961.106712	1983.032627
1674.331503			
WHAMMP2 WHAMMP2	2.342742627	2.031182508	627.6775944
359.1893596			
PRKCDBP PRKCDBP	787.1615226	1301.987988	1581.247539
1476.353116			
LOC728739	LOC728739	11.71371313	15.23386881
4.464278765	22.62610139		
LOC100272217	LOC100272217	40.99799597	38.59246765
62.49990271	39.59567744		

NIFK-AS1	NIFK-AS1	1306.079015	1576.197626		
1841.961419	1797.832307				
TPM3P9 TPM3P9	737.9639275	697.7111915	733.0345732		
660.8707115					
CSNK1G2 CSNK1G2	5589.783908	4605.706337	4687.492703		
4325.356383					
C19orf43	C19orf43	6769.35482	8109.496164		
5568.741332	5613.158654				
DHX38 DHX38	7251.959802	6876.568381	5996.419237		
6541.771565					
ZNF287 ZNF287	354.925508	496.6241232	875.8914937		
931.441174					
PELI1 PELI1	6048.961463	5264.825061	4806.242519		
5786.625431					
UFC1 UFC1	4897.503462	5826.447024	4083.029359		
4190.542529					
ACRBP ACRBP	7.028227881	5.07795627	30.3570956		
19.79783872					
CNFN CNFN	2.342742627	7.109138778	0	5.656525348	
KSR1 KSR1	420.5223015	98.51235164	122.3212382		
284.7117759					
AP1G2 AP1G2	9001.988544	9256.098689	7226.774465		
9017.444159					
ACAT2 ACAT2	9434.224559	11654.92523	7150.881726		
8516.841666					
GAS5-AS1	GAS5-AS1	186.2480388	139.1360018		
573.2133934	324.3074533				
MIRLET7F2	MIRLET7F2	0	0	0.892855753	0
MIRLET7F1	MIRLET7F1	0	0	0	3.771016899
LYPLAL1-AS1	LYPLAL1-AS1	8.199599194	13.2026863		
11.60712479	14.14131337				
LOC644838	LOC644838	2.342742627	0	0	0
MIR499B MIR499B	1.171371313	0	0	0	
MIR4755 MIR4755	11.71371313	11.17150379	7.142846024		
14.14131337					
LINC00645	LINC00645	0	0	8.035701777	
0.942754225					
LPAL2 LPAL2	4.685485254	11.17150379	0	2.828262674	
NBEAP1 NBEAP1	1.171371313	1.015591254	2.678567259		
4.713771124					
LOC100507387	LOC100507387	0	0	6.249990271	
6.599279573					
LOC339975	LOC339975	53.88308042	0	0.892855753	
113.130507					
MIR4321 MIR4321	9.370970508	3.046773762	3.571423012	0	
MIR4312 MIR4312	0	1.015591254	5.357134518	0	
MIR4322 MIR4322	0	0	0.942754225		
GSTTP2 GSTTP2	0	0	16.07140355	0.942754225	
LINC01005	LINC01005	0	0	0	4.713771124
LOC729506	LOC729506	21.08468364	22.34300759		

29.46423985	19.79783872				
FMNL1 FMNL1	6853.693555	4369.073575	2590.17454		
3559.839953					
SDF2L1 SDF2L1	3852.64025	5800.041652	3485.70886		
2739.643777					
ZFAND3 ZFAND3	384.2097908	161.4790094	217.8568037		
188.5508449					
CALB1 CALB1	1.171371313	4.062365016	8.035701777	0	
RNF167 RNF167	3044.394044	2367.343213	1006.248434		
1352.852312					
GALNT3 GALNT3	614.9699396	448.8913343	48.21421066		
266.7994456					
FOXA1 FOXA1	4.685485254	89.37203036	8.92855753		
0.942754225					
SMPDL3A SMPDL3A	43.3407386	9.140321286	8.035701777		
25.45436407					
BMP15 BMP15	0 2.031182508	0	0		
TAF10 TAF10	4432.46905	4053.224695	3599.10154		
3425.026098					
OSTM1 OSTM1	2451.680159	3081.303865	4745.528327		
3680.512493					
FADS1 FADS1	87.85284851	81.24730032	181.2497179		
135.7566084					
SHD SHD	1.171371313	1.015591254	0 0.942754225		
KATNBL1 KATNBL1	1807.425937	1736.661044	1275.890871		
1588.540869					
ADAMTS7P1	ADAMTS7P1	0 0	0.892855753	0	
SSR3 SSR3	9476.393926	7778.413415	8122.308785		
5334.103403					
CXXC5 CXXC5	80.82462063	59.91988399	186.6068524		
176.29504					
HBEGF HBEGF	144.0786716	308.7397412	183.0354294		
188.5508449					
CRYM CRYM	0 0	2.678567259	0		
CRYBB1 CRYBB1	14.05645576	15.23386881	2.678567259	0	
STOX2 STOX2	1.171371313	0 12.49998054	0		
TRIM63 TRIM63	0 0	10.71426904	0		
IFNG-AS1	IFNG-AS1	11.71371313	1.015591254		
5.357134518	20.74059294				
HIST2H2AC	HIST2H2AC	278.7863726	233.5859884		
168.7497373	131.0428372				
HIST1H2AM	HIST1H2AM	276.44363	304.6773762		
97.32127708	132.9283457				
TFDP1 TFDP1	14240.36106	16697.33581	6261.597396		
8188.763196					
LINC00865	LINC00865	64.42542224	22.34300759		
78.57130627	103.7029647				
ANKRD20A9P	ANKRD20A9P	5.856856567	0 13.3928363		
48.08046546					
MIR2116 MIR2116	1.171371313	0 0.892855753	0.942754225		

SND1-IT1	SND1-IT1	52.71170911	48.74838019	
74.99988325	100.874702			
DNPH1 DNPH1	3850.297507	5293.261616	4010.708043	
3965.224269				
CRTC2 CRTC2	3525.827654	3368.71619	3922.315323	
2956.477249				
ACOT2 ACOT2	1347.07701	2018.995413	978.5699053	
1216.15295				
PLGLB2 PLGLB2	55.05445173	50.7795627	74.99988325	
105.5884732				
SNRNP200	SNRNP200	26427.3082	18790.46938	
20905.3246	19583.83351			
PRKAA2 PRKAA2	0 0	15.1785478	0	
VRK1 VRK1	5677.636756	6954.768908	3834.815459	
4189.599775				
TTLL4 TTLL4	1789.855367	2440.465783	1409.819234	
1641.335105				
CHAF1A CHAF1A	5719.806124	5612.15727	1763.390112	
2760.38437				
EGLN1 EGLN1	2955.369824	2944.199045	3316.066267	
3489.133386				
DNAH12 DNAH12	0 3.046773762	10.71426904	0	
IGSF22 IGSF22	8.199599194	7.109138778	85.71415229	
81.07686333				
LINC01105	LINC01105	0 0	0.892855753	0
ZNF788 ZNF788	377.1815629	380.8467203	192.8568427	
230.9747851				
LOC283922	LOC283922	364.2964785	203.1182508	
549.1062881	377.1016899			
LINC00282	LINC00282	0 0	99.10698859	
21.68334717				
LINC01347	LINC01347	91.36696245	46.71719769	
102.6784116	82.01961755			
RNF150 RNF150	0 0	0 0.942754225		
PYY PYY	1.171371313	0 0 0		
LOC101928896	LOC101928896	7.028227881	11.17150379	
12.49998054	39.59567744			
LOC101928865	LOC101928865	9.370970508	6.093547524	
36.60708587	5.656525348			
KRT18P55	KRT18P55	0 1.015591254	0 0	
LINC01446	LINC01446	1.171371313	0 0.892855753	
23.56885562				
LINC00640	LINC00640	0 0	5.357134518	0
NBPF11 NBPF11	50.36896648	32.49892013	58.9284797	
67.87830418				
NAPSB NAPSB	33.96976809	11.17150379	79.46416202	
30.16813519				
FAM13A-AS1	FAM13A-AS1	16.39919839	137.1048193	
651.7846997	86.73338867			
PNMA1 PNMA1	3712.075692	5104.361643	4589.278571	

4286.70346					
CGRRF1	CGRRF1	569.2864583	620.5262562	989.2841744	
757.9743967					
ANKRD35	ANKRD35	146.4214142	121.8709505	92.85699832	
140.4703795					
TUSC3	TUSC3	18.74194102	0	15.1785478	19.79783872
SCARNA10	SCARNA10		3.51411394	3.046773762	
33.92851862	8.484788022				
MED15P9	MED15P9	0	1.015591254	3.571423012	0
NPY6R	NPY6R	1.171371313	2.031182508	0	0
SNHG6	SNHG6	1217.054795	858.1746097	4748.206895	
2789.609751					
CCT8	CCT8	22258.3977	26687.70697	17428.5443	
20581.26748					
APBB1IP	APBB1IP	3911.208816	2167.271736	3741.065605	
3188.394788					
PUS7	PUS7	1466.556884	1527.449246	1274.998015	
1536.689386					
RHOF	RHOF	7697.080901	8143.010675	5260.706097	
7443.044604					
CCDC184	CCDC184	0	4.062365016	33.03566286	23.56885562
SUM04	SUM04	38.65525334	45.70160643	49.10706642	
48.08046546					
GOLGA6L10	GOLGA6L10		0	0	3.571423012
QRFPR	QRFPR	0	0	5.656525348	0
MRPL16	MRPL16	5531.215342	7762.163955	4444.635939	
4618.552947					
SRGAP1	SRGAP1	3.51411394	6.093547524	28.5713841	
19.79783872					
ZNF629	ZNF629	10.54234182	9.140321286	527.67775	
379.9299526					
C3orf14	C3orf14	1092.889435	1141.52457	625.8918829	
527.9423658					
POLR3A	POLR3A	3546.912337	3344.342	2599.995953	
3091.291103					
UPK1A-AS1	UPK1A-AS1		0	1.015591254	24.10710533
4.713771124					
PPP2R3C	PPP2R3C	4061.144344	3817.607524	2971.423946	
3464.621776					
ZSCAN23	ZSCAN23	18.74194102	9.140321286	44.64278765	
14.14131337					
WDR82	WDR82	9836.004919	5689.342205	10329.44821	
8272.668322					
ULBP2	ULBP2	36.31251072	26.40537261	134.8212187	
41.48118589					
WNT10A	WNT10A	14.05645576	10.15591254	665.177536	
550.5684672					
LOC102724094	LOC102724094		100.737933	124.9177242	
23.21424958	21.68334717				
LINC01393	LINC01393		8.199599194	13.2026863	

34.82137437	17.91233027			
LINC01476	LINC01476	1.171371313	1.015591254	0
0				
SLC35E4 SLC35E4	728.592957	1068.401999	336.6066189	
390.300249				
C16orf87	C16orf87	2220.92001	1848.376082	
703.5703334	1333.997228			
CFAP44-AS1	CFAP44-AS1	12.88508445	1.015591254	
18.74997081	9.427542247			
SLC2A1-AS1	SLC2A1-AS1	79.65324932	48.74838019	
71.42846024	24.51160984			
MIR4670 MIR4670	0	1.015591254	0	0
CCDC11 CCDC11	15.22782708	15.23386881	34.82137437	
24.51160984				
SMU1 SMU1	6371.088574	6702.902277	6742.846647	
6020.428479				
ULBP3 ULBP3	2.342742627	15.23386881	1.785711506	
10.37029647				
PAGR1 PAGR1	4200.53753	5248.575601	4178.564924	
3851.151008				
ZNF428 ZNF428	658.3106782	538.2633646	538.3920191	
445.9227483				
KIF6 KIF6	30.45565415	2.031182508	7.142846024	
4.713771124				
HIST1H2BK	HIST1H2BK	814.1030629	1506.12183	
986.6056071	711.7794397			
C19orf18	C19orf18	2.342742627	4.062365016	
10.71426904	15.0840676			
LOC100506675	LOC100506675	1.171371313	0	3.571423012
0				
MIR1184-2	MIR1184-2	391.2380187	470.2187506	
505.3563562	631.6453306			
USP12 USP12	3862.01122	2705.535101	2610.710222	
3532.50008				
LINC00664	LINC00664	2.342742627	2.031182508	
43.7499319	0			
LOC100506990	LOC100506990	78.481878	73.12257029	
588.3919412	588.2786362			
ENTPD3-AS1	ENTPD3-AS1	69.11090749	157.4166444	
189.2854196	160.2682182			
HLA-DRB4	HLA-DRB4	240.1311193	314.8332888	
103.5712674	148.0124133			
DAO DAO	0	0	0.942754225	
SCAF1 SCAF1	343.2117948	152.3386881	197.3211214	
164.0392351				
IZUM01 IZUM01	0	0	12.49998054	0
ZBED3 ZBED3	7.028227881	19.29623383	179.4640064	
53.73699081				
LOC100288778	LOC100288778	98.39519033	57.88870148	
91.07128681	87.6761429			

C2orf66	C2orf66	4.685485254	0	3.571423012	0	
CCDC85C	CCDC85C	243.6452332	250.8510398		429.4636172	
475.1481293						
AC0T6	AC0T6	4.685485254	2.031182508		1.785711506	0
LAMP1	LAMP1	2691.811278	730.2101117		1068.748336	
955.9527839						
MRGPRD	MRGPRD	5.856856567	1.015591254		0	0
ABCA5	ABCA5	292.8428284	198.0402945		332.1423401	
340.3342751						
OR2T8	OR2T8	1.171371313	0	0	0	
MPEG1	MPEG1	0	0	20.74059294		
CNIH1	CNIH1	3231.813454	3317.936627		2762.4957	
2709.475642						
LOC145783	LOC145783		72.62502143		89.37203036	
187.4997081	159.325464					
BREA2	BREA2	0	9.140321286	4.464278765	7.542033798	
ZFPM1	ZFPM1	126.5081019	34.53010264		38.39279738	
60.33627038						
GANC	GANC	795.3611218	1044.027809		861.6058017	
840.9367684						
CHODL-AS1	CHODL-AS1		1.171371313		0	0
CHMP6	CHMP6	2512.591467	3693.705391		1755.35441	0
1819.515654						
ARMC7	ARMC7	438.0928712	303.661785		322.3209268	
337.5060124						
AREL1	AREL1	4789.737301	3989.242446		3815.172633	
3725.764696						
OMA1	OMA1	1931.591296	1637.133102		1742.85443	
2047.662176						
IL21R-AS1	IL21R-AS1		5635.467389		4190.329514	
4058.922253	5507.570181					
BVES-AS1	BVES-AS1		3.51411394		0	0
KCND1	KCND1	40.99799597	15.23386881		42.85707615	0
13.19855915						
CD2BP2	CD2BP2	5286.398738	4834.214369		4335.707537	
4460.170237						
LIX1L	LIX1L	2410.682163	1241.052512		1773.211526	
2038.234634						
SPATA2L	SPATA2L	413.4940737	451.9381081		560.7134129	
432.7241891						
ADAM1A	ADAM1A	49.19759517	24.3741901		113.3926806	
87.6761429						
MIR4799	MIR4799	0	1.015591254		0	0
MIR4797	MIR4797	1.171371313	0	0	0	
MIR4793	MIR4793	10.54234182	4.062365016		7.142846024	
2.828262674						
MIR4792	MIR4792	0	0	0.892855753	0	
MIR4787	MIR4787	9.370970508	12.18709505		9.821413283	
10.37029647						
MIR4786	MIR4786	3.51411394	0	0	0	

MIR2467	MIR2467	1.171371313	1.015591254	3.571423012
4.713771124				
MIR4785	MIR4785	22.25605496	32.49892013	35.71423012
30.16813519				
MIR4784	MIR4784	30.45565415	18.28064257	52.67848943
62.22177883				
MIR4782	MIR4782	0	0	0.942754225
MIR4781	MIR4781	0	0.892855753	0.942754225
MIR4775	MIR4775	16.39919839	10.15591254	13.3928363
10.37029647				
MIR4774	MIR4774	1.171371313	0	0
TTC7B	TTC7B	200.3044946	203.1182508	111.6069691
169.6957604				
MIR4482	MIR4482	30.45565415	8.124730032	49.99992217
12.25580492				
LOC100288637	LOC100288637		557.5727452	326.0047926
163.3926028	205.520421			
ZNF552	ZNF552	502.5182935	543.3413209	492.8563757
574.1373229				
RPS14P3	RPS14P3	28.11291152	20.31182508	38.39279738
22.62610139				
MIR3658	MIR3658	598.5707412	822.6289158	341.0708977
492.1177053				
MIR3656	MIR3656	798.8752358	1206.52241	1185.71244
1027.602105				
MIR3655	MIR3655	798.8752358	1211.600366	1158.926767
972.9223599				
MIR3653	MIR3653	12.88508445	5.07795627	2.678567259
2.828262674				
SPON1	SPON1	30.45565415	16.24946006	199.9996887
488.3466884				
CXCR1	CXCR1	38.65525334	143.1983668	0
PRKD1	PRKD1	0	0	3.771016899
C9orf139	C9orf139		241.3024906	42.65483267
51.78563368	111.2449985			
LOC101928105	LOC101928105		16.39919839	17.26505132
4.464278765	16.02682182			
RAX2	RAX2	0	1.015591254	0
CHST6	CHST6	0	0	0.892855753
CRY2	CRY2	1116.316862	1533.542794	3949.100996
2576.547296				
CRYM-AS1	CRYM-AS1		0	0
RPL23P8	RPL23P8	1.171371313	0	0.892855753
VPS13A-AS1	VPS13A-AS1		64.42542224	53.82633646
87.4998638	82.96237177			
RPS10P7	RPS10P7	16.39919839	9.140321286	24.99996108
11.3130507				
PTCD3	PTCD3	6526.880959	7407.722607	6782.1323
7604.255577				
HGH1	HGH1	138.221815	227.4924409	115.1783921

175.3522858					
LINC01222	LINC01222		2.342742627	0	0 0
RPL19P12	RPL19P12		8.199599194	0	8.92855753
13.19855915					
LOC652276	LOC652276		238.9597479		154.3698706
242.8567648	222.489997				
LOC153684	LOC153684		301.0424276		256.9445873
754.4631113	473.2626208				
FICD FICD	400.6089892		676.3837752		707.1417564
570.366306					
ZNF429 ZNF429	277.6150013		425.5327354		1988.389762
682.5540587					
TTC38 TTC38	1061.26241		1948.919617		1124.998249
942.7542247					
FGL2 FGL2	203.8186085		277.2564124		149.1069108
94.27542247					
KLHL28 KLHL28	1345.905639		1336.51809		2676.781548
2655.738651					
WNK4 WNK4	7.028227881		5.07795627		47.32135491
37.71016899					
TNKS2 TNKS2	4867.047807		3263.094699		6160.704696
6046.825597					
RUFY4 RUFY4	33.96976809		12.18709505		63.39275847
66.93554995					
FAM226A FAM226A	1.171371313		0 0		0.942754225
FAM226B FAM226B	1.171371313		0 0		0.942754225
ZNF32 ZNF32	504.8610361		722.0853816		1583.926106
1415.074091					
C11orf42	C11orf42		0 4.062365016		0
0.942754225					
CLVS1 CLVS1	24.59879758		3.046773762		15.1785478
27.33987252					
MIR330 MIR330	1.171371313		1.015591254		2.678567259
2.828262674					
UQCRHL UQCRHL	402.9517318		627.635395		293.7495427
271.5132167					
DLGAP3 DLGAP3	4.685485254		12.18709505		39.28565313
6.599279573					
FKBP15 FKBP15	3010.424276		3056.929675		2142.853807
2702.876362					
FOXL2 FOXL2	0 0		0 0.942754225		
KLF13 KLF13	2291.202289		1299.956805		1327.676505
1470.696591					
ATP6V1D ATP6V1D	3124.047293		3027.477528		2217.853691
2793.380768					
COL18A1 COL18A1	857.4438015		210.2273896		91.07128681
536.4271539					
SEPSECS-AS1	SEPSECS-AS1		105.4234182		74.13816155
118.7498152	87.6761429				
KIF13B KIF13B	691.1090749		369.6752165		616.0704696

499.6597391					
IL22	IL22	454.4920696	249.8354485	21.42853807	
937.0976994					
PDCD2L	PDCD2L	693.4518176	957.7025526	831.2487061	
701.4091432					
PLXNA1	PLXNA1	327.9839678	318.8956538	463.3921358	
461.9495701					
HGSNAT	HGSNAT	707.5082733	594.1208836	1254.462333	
1391.505236					
NRIP2	NRIP2	77.31050669	60.93547524	156.2497568	
154.6116929					
IFI27L2	IFI27L2	2070.984482	1852.438447	957.1413672	
1174.671764					
PGK2	PGK2	0	1.015591254	0.892855753	0
MT1E	MT1E	3025.652103	2259.69054	998.2127319	
1281.202991					
SIX4	SIX4	5.856856567	5.07795627	0	0.942754225
PHOX2A	PHOX2A	15.22782708	3.046773762	4.464278765	
3.771016899					
PPM1J	PPM1J	5.856856567	10.15591254	27.67852834	
18.85508449					
ALDOC	ALDOC	1473.585112	1933.685748	3745.529884	
3417.484065					
LOC100131257	LOC100131257		2.342742627	0	0
LOC440600	LOC440600		62.08267961	74.13816155	0
65.17846997		33.93915209			
SMA5	SMA5	101.9093043	100.5435342	112.4998249	
89.56165135					
LOC400958	LOC400958		2.342742627	12.18709505	
2.678567259		0			
LPP-AS2	LPP-AS2	16.39919839	30.46773762	92.85699832	
32.05364364					
MIR367	MIR367	0	3.046773762	1.785711506	4.713771124
MIR302D	MIR302D	0	1.015591254	1.785711506	3.771016899
MIR302C	MIR302C	0	2.031182508	5.357134518	0
EEFSEC	EEFSEC	1512.240366	1661.507292	1083.926884	
1513.120531					
TRIM35	TRIM35	1391.58912	1839.235761	2241.06794	
1845.912772					
MIR4453	MIR4453	23.42742627	14.21827756	13.3928363	
11.3130507					
MIR760	MIR760	2.342742627	2.031182508	1.785711506	
1.885508449					
SMG1P2	SMG1P2	393.5807613	317.8800625	938.3913964	
807.9403706					
SNORA23	SNORA23	2.342742627	5.07795627	4.464278765	
4.713771124					
SMG1P5	SMG1P5	169.8488405	153.3542794	383.0351181	
312.0516484					
SNORD68	SNORD68	89.02421982	96.48116913	124.9998054	

130.100083					
SNORA65	SNORA65	8.199599194	5.07795627	10.71426904	
10.37029647					
SNORD36A	SNORD36A		50.36896648	40.62365016	
27.67852834	73.53482953				
SNORD24	SNORD24	8.199599194	7.109138778	15.1785478	
8.484788022					
MIR3115	MIR3115	2.342742627	1.015591254	0	4.713771124
MIR2909	MIR2909	0	0	0	0
MIR1972-1	MIR1972-1		4.685485254	0	0
KIF9-AS1	KIF9-AS1		60.9113083	54.84192772	0
98.21413283	82.01961755				
LINC01115	LINC01115		4.685485254	4.062365016	
5.357134518	11.3130507				
KANSL1-AS1	KANSL1-AS1		0	0	6.249990271
1.885508449					
LOC643542	LOC643542		0	2.031182508	35.71423012
12.25580492					
LOC389641	LOC389641		154.6210134	66.01343151	
174.1068718	207.4059294				
MIR181A2HG	MIR181A2HG		9.370970508	0	13.3928363
6.599279573					
FLJ39080	FLJ39080		0	0	0.892855753
MIR1-2	MIR1-2	1.171371313	1.015591254	0	0
DIRC3	DIRC3	14.05645576	4.062365016	51.78563368	
61.27902461					
MIR140	MIR140	1.171371313	0	0	0
LOC339529	LOC339529		0	1.015591254	7.142846024
1.885508449					
LOC283177	LOC283177		0	0	2.678567259
INE1	INE1	45.68348122	27.42096386	114.2855364	0
45.25220279					
MIR425	MIR425	22.25605496	20.31182508	18.74997081	
36.76741476					
ATXN80S	ATXN80S	0	0	0.892855753	0
SNORD2	SNORD2	55.05445173	62.96665775	103.5712674	
77.30584643					
TCL6	TCL6	11.71371313	0	14.28569205	4.713771124
GABARAPL3	GABARAPL3		1.171371313	0	2.678567259
0					
MGC45922	MGC45922		21.08468364	31.48332888	
24.10710533	15.0840676				
SPATA41	SPATA41	18.74194102	16.24946006	42.85707615	
35.82466054					
MIR572	MIR572	0	0	0.942754225	
MIR570	MIR570	48.02622385	39.60805891	48.21421066	
48.08046546					
MIR569	MIR569	0	0	0.892855753	0
LOC643339	LOC643339		0	1.015591254	2.678567259
1.885508449					

SAMD12-AS1	SAMD12-AS1	0	4.062365016	1.785711506
0				
C10orf111	C10orf111	53.88308042	66.01343151	
34.82137437	32.05364364			
OR5AU1 OR5AU1	0 0	0	4.713771124	
DKFZP586I1420	DKFZP586I1420	159.3064986	110.6994467	
263.3924471	321.4791906			
LOC541473	LOC541473	30.45565415	42.65483267	
66.96418148	57.50800771			
MIR491 MIR491	4.685485254	1.015591254	0	0.942754225
TMED11P TMED11P	2.342742627	4.062365016	0	1.885508449
ATP5I ATP5I	3694.505123	3983.148898	2724.102902	
2672.708227				
LOC101928847	LOC101928847	0	2.031182508	0 0
LOC641367	LOC641367	25.7701689	20.31182508	
31.24995136	6.599279573			
UQCRBP1 UQCRBP1	2.342742627	0	8.92855753	0.942754225
KIAA0125	KIAA0125	5.856856567	5.07795627	0
0				
RBM8A RBM8A	10788.3298	14152.26413	11924.08858	
11425.23845				
ZNF271 ZNF271	1404.474205	1546.74548	2345.532063	
2289.007258				
FBX022-AS1	FBX022-AS1	1027.292642	1590.415904	
1293.747986	940.8687163			
CXorf23 CXorf23	461.5202975	202.1026596	296.42811	
616.561263				
FTX FTX	222.5605496	155.3854619	247.3210436	
248.8871153				
MIR766 MIR766	0 0	0.892855753	0	
LOC100288846	LOC100288846	40.99799597	25.38978135	
118.7498152	22.62610139			
CPEB2-AS1	CPEB2-AS1	3.51411394	1.015591254	
1.785711506	0			
WASH7P WASH7P	158.1351273	83.27848283	118.7498152	
118.7870323				
NRON NRON	0 0	0	7.542033798	
GSTM2P1 GSTM2P1	2.342742627	0	0	0
MIR1288 MIR1288	0 2.031182508	0	0	
MIR1307 MIR1307	23.42742627	22.34300759	18.74997081	
30.16813519				
LINC01089	LINC01089	270.5867734	194.9935208	
159.8211798	183.8370738			
LINC00294	LINC00294	138.221815	88.3564391	
83.92844078	69.76381263			
LOC441455	LOC441455	0	9.140321286	42.85707615
0				
MYLIP MYLIP	520.0888632	333.1139313	1598.211798	
1271.775449				
PPARGC1A	PPARGC1A	0	0	7.142846024 0

PREB	PREB	7495.605035	10492.07325	7357.131405	
6577.596226					
LINC00997	LINC00997		7.028227881	1.015591254	
11.60712479	8.484788022				
FOXN3-AS1	FOXN3-AS1		147.5927855	141.1671843	
176.7854391	162.1537267				
FGF14-IT1	FGF14-IT1		0	0.892855753	0
SBF2-AS1	SBF2-AS1		91.36696245	149.2919143	
199.1068329	219.6617344				
GTSE1-AS1	GTSE1-AS1		55.05445173	50.7795627	
22.32139383	59.39351616				
WWC2-AS2	WWC2-AS2		0	0	11.60712479
0.942754225					
SMCR5	SMCR5	0	0	13.3928363	0.942754225
LINC00476	LINC00476		427.5505294	826.6912808	
1132.141095	653.3286777				
FAM35BP	FAM35BP	0	2.031182508	4.464278765	8.484788022
HOXB13	HOXB13	4.685485254	3.046773762	0	0
EIF3M	EIF3M	8712.65983	10374.26466	9242.842755	
9664.173558					
TRPV6	TRPV6	15.22782708	0	0	6.599279573
SHISA8	SHISA8	11.71371313	10.15591254	6.249990271	
17.91233027					
UNC13B	UNC13B	63.25405093	34.53010264	291.9638312	
111.2449985					
NPHP3-AS1	NPHP3-AS1		9.370970508	9.140321286	
11.60712479	9.427542247				
RPL13AP6	RPL13AP6		10.54234182	6.093547524	
12.49998054	7.542033798				
MIR1244-2	MIR1244-2		8910.621581	8917.906802	
7433.024144	7996.441334				
DNM1P35	DNM1P35	0	0	1.785711506	2.828262674
POM121L10P	POM121L10P		4.685485254	0	0
10.37029647					
MIR4523	MIR4523	0	2.031182508	1.785711506	0
MIR4521	MIR4521	0	0	17.85711506	0
MIR4519	MIR4519	5.856856567	12.18709505	5.357134518	
4.713771124					
MIR4518	MIR4518	3.51411394	4.062365016	0	3.771016899
MIR4517	MIR4517	31.62702546	1.015591254	16.96425931	
12.25580492					
LARP4B	LARP4B	7439.379212	5478.099224	4737.492626	
4502.594177					
RIC8B	RIC8B	531.8025763	674.3525927	806.248745	
812.6541417					
TTC17	TTC17	3331.380015	3252.938787	4312.493287	
4067.98448					
WDR73	WDR73	1459.528657	1421.827756	1723.211603	
1544.23142					
LOC729609	LOC729609		1.171371313	1.015591254	

4.464278765	4.713771124			
FLJ42627	FLJ42627	30.45565415	45.70160643	
14.28569205	25.45436407			
LOC100128573	LOC100128573	2.342742627	9.140321286	
4.464278765	10.37029647			
SERPINA13P	SERPINA13P	0	0	7.142846024
LINC00909	LINC00909	673.5385052	618.4950737	0
1349.105043	1238.779051			
PAXIP10S	PAXIP10S	420.5223015	517.9515396	
1189.283863	956.8955381			
MIR5087	MIR5087	0	0	2.678567259
MIR5010	MIR5010	50.36896648	103.5903079	76.78559476
57.50800771				
MIR5001	MIR5001	57.39719436	46.71719769	74.99988325
49.02321969				
MIR5000	MIR5000	1.171371313	0	0
MIR4999	MIR4999	3.51411394	0	4.464278765
MIR5006	MIR5006	10.54234182	12.18709505	47.32135491
32.99639787				
LOC100996251	LOC100996251	22.25605496	19.29623383	
43.7499319	43.36669434			
CTAGE4	CTAGE4	2.342742627	2.031182508	0
PCSK4	PCSK4	14.05645576	6.093547524	29.46423985
50.90872813				
HIF1AN	HIF1AN	6554.99387	7210.697904	5027.670745
6107.161868				
MREG	MREG	542.3449181	824.6600983	628.5704501
776.8294812				
LOC729737	LOC729737	14.05645576	2.031182508	
27.67852834	29.22538097			
TSIX	TSIX	0	558.5751897	1416.069224
LINC00888	LINC00888	309.2420268	227.4924409	0
149.9997665	158.3827098			
KLHL7-AS1	KLHL7-AS1	23.42742627	5.07795627	
34.82137437	101.8174563			
MGC27345	MGC27345	575.1433149	409.2832754	
524.9991828	516.6293151			
TMEM256-PLSCR3	TMEM256-PLSCR3	5911.911019	7592.560215	
3683.029981	4126.435242			
FAM175A	FAM175A	2924.91417	2582.648559	2543.74604
2784.89598				
OR56B4	OR56B4	0	0	0.942754225
LOC101926962	LOC101926962	0	0	7.142846024
MIR4734	MIR4734	4.685485254	8.124730032	7.142846024
11.3130507				
MIR4730	MIR4730	2.342742627	0	0
MIR4729	MIR4729	1.171371313	0	1.785711506
MIR4728	MIR4728	0	0	0.942754225
MIR4727	MIR4727	1.171371313	1.015591254	0
MIR4726	MIR4726	1.171371313	0	0
				0.942754225

ZBTB39	ZBTB39	454.4920696	506.7800358	681.2489396
924.8418944				
HERC2P10	HERC2P10		23.42742627	29.45214637
69.64274874	36.76741476			
RAD51-AS1	RAD51-AS1		325.6412251	187.884382
554.4634226	372.3879188			
FGF2	FGF2	213.1895791	233.5859884	159.8211798
144.2413964				
FA2H	FA2H	10.54234182	7.109138778	0
CHL1-AS1	CHL1-AS1		0	1.885508449
TDRD9	TDRD9	50.36896648	183.822017	0.892855753
7.542033798				0
CXCR6	CXCR6	13573.85078	6964.92482	139.2854975
11686.38137				
GNG8	GNG8	270.5867734	932.3127712	3515.1731
430.8386807				
AVPI1	AVPI1	80.82462063	149.2919143	561.6062687
262.0856745				
FBXL15	FBXL15	1152.629372	1535.573976	246.4281878
1226.523246				
TMEM119	TMEM119	8.199599194	17.26505132	1515.176213
ZNF776	ZNF776	1016.7503	510.8424008	0
1065.312274				32.05364364
SAMSN1-AS1	SAMSN1-AS1		3.51411394	1338.390774
5.357134518	5.656525348			
C8orf31	C8orf31	37.48388203	134.0580455	3.046773762
32.99639787				
LOC101928053	LOC101928053		43.3407386	79.46416202
29.46423985	55.62249926			
NAV2-AS2	NAV2-AS2		0	28.43655511
6.599279573			6.093547524	0
CARD17	CARD17	171.0202118	188.8999733	89.2855753
114.0732612				
PTRHD1	PTRHD1	1571.980303	1826.033075	798.2130432
747.6041002				
CCL16	CCL16	0	1.785711506	0
KLHDC10	KLHDC10	326.8125965	154.3698706	145.5354877
174.4095316				
FTH1	FTH1	95462.07656	181683.1818	108736.4379
78361.73116				
TMEM244	TMEM244	2.342742627	10.15591254	4.464278765
7.542033798				
MIR3620	MIR3620	175.705697	255.928996	205.3568232
181.0088111				
MIR23C	MIR23C	1.171371313	0	0
MIR4737	MIR4737	17.5705697	14.21827756	0
10.37029647				11.60712479
MIR4736	MIR4736	8.199599194	9.140321286	6.249990271
10.37029647				
HES5	HES5	7.028227881	8.124730032	8.92855753

1.885508449					
PLEKHA8P1	PLEKHA8P1	172.1915831		193.9779295	
217.8568037	263.0284287				
LOC100289473	LOC100289473	3.51411394	0	4.464278765	
0					
ATP6V0CP3	ATP6V0CP3	0	0	0	2.828262674
FOXN3-AS2	FOXN3-AS2	0	3.046773762	0	0
LOC100129550	LOC100129550	10.54234182		8.124730032	
0.892855753	2.828262674				
LOC100131496	LOC100131496	3.51411394		15.23386881	
2.678567259	0.942754225				
LOC100630918	LOC100630918	101.9093043		123.902133	
134.8212187	88.61889712				
CYP2D7P CYP2D7P	23.42742627	2.031182508		51.78563368	
22.62610139					
LOC642423	LOC642423	5.856856567		1.015591254	
1.785711506	1.885508449				
NAPA-AS1	NAPA-AS1	1773.456169		2689.285641	
3844.636873	2401.19501				
LOC100506746	LOC100506746	25.7701689		25.38978135	
85.71415229	55.62249926				
NEGR1-IT1	NEGR1-IT1	0	0	5.357134518	0
LOC574538	LOC574538	1.171371313		4.062365016	
24.10710533	0				
HERC2P7 HERC2P7	22.25605496	23.35859884		19.64282657	
10.37029647					
LINC00987	LINC00987	48.02622385		25.38978135	
55.35705669	52.79423658				
HERC2P3 HERC2P3	33.96976809	201.0870683		256.2496011	
39.59567744					
PTDSS2 PTDSS2	850.4155736	1258.317564		649.9989882	
952.181767					
SH3GL3 SH3GL3	0	4.062365016	0	0	
DSCR9 DSCR9	11.71371313	15.23386881		12.49998054	
17.91233027					
MIR19B1 MIR19B1	3.51411394	1.015591254		0	1.885508449
LINC01270	LINC01270	3.51411394		39.60805891	0
0					
NDUFA6-AS1	NDUFA6-AS1	77.31050669		73.12257029	
83.92844078	62.22177883				
FAM172BP	FAM172BP	180.3911823		339.2074789	
372.320849	482.6901631				
LINC01225	LINC01225	0	0	1.785711506	0
YPEL4 YPEL4	1.171371313	3.046773762		22.32139383	
22.62610139					
ZNF365 ZNF365	0	31.48332888	41.07136464	97.10368515	
STAU2-AS1	STAU2-AS1	2.342742627		2.031182508	0
0.942754225					
APOC4-APOC2	APOC4-APOC2	0	0	4.464278765	
1.885508449					

SLM02-ATP5E	SLM02-ATP5E	17155.90426	15166.83979		
11616.9462	12323.68323				
P2RX5-TAX1BP3	P2RX5-TAX1BP3	7508.490119	9346.486311		
4215.17201	4594.984091				
BEND3P3 BEND3P3	48.02622385	25.38978135	133.0355072		
104.6457189					
LINC00893	LINC00893	59.73993699	11.17150379		
50.89277792	35.82466054				
LINC00657	LINC00657	2202.178069	1255.27079		
1969.639791	2379.511663				
ZNF738 ZNF738	412.3227023	394.0494066	416.0707809		
434.6096976					
GOLGA8CP	GOLGA8CP	0	0	0.892855753	0
FAM181A-AS1	FAM181A-AS1	3.51411394	0	0	0
AMZ2P1 AMZ2P1	454.4920696	464.1252031	914.2842911		
570.366306					
AFAP1-AS1	AFAP1-AS1	31.62702546	42.65483267		
92.85699832	146.1269048				
GOLGA2P7	GOLGA2P7	25.7701689	7.109138778		
15.1785478	16.02682182				
FLJ10038	FLJ10038	1121.002347	768.8025793		
1137.498229	946.5252416				
RPSAP9 RPSAP9	25.7701689	66.01343151	38.39279738		
44.30944856					
FLJ43681	FLJ43681	0	2.031182508	0.892855753	
0					
LIMS3-LOC440895	LIMS3-LOC440895	0	2.031182508	0.892855753	
1.885508449					
9-Mar 9-Mar	48.02622385	26.40537261	137.499786		
121.615295					
CREB3L2 CREB3L2	2131.895791	1448.233128	1070.534048		
1430.158159					
TRMT5 TRMT5	876.1857425	672.3214102	725.8917272		
893.731005					
PRH1 PRH1	882.042599	979.0299689	1100.891143		
840.9367684					
CTAGE11P	CTAGE11P	0	1.015591254	0	0
GUSBP3 GUSBP3	96.0524477	81.24730032	98.21413283		
125.3863119					
A2M-AS1 A2M-AS1	1.171371313	0	0.892855753	37.71016899	
LOC100132215	LOC100132215	55.05445173	76.16934405		
46.42849916	80.1341091				
SNORA80B	SNORA80B	25.7701689	17.26505132		
25.89281684	42.42394011				
LINC00662	LINC00662	178.0484396	212.2585721		
289.285264	329.9639787				
C3P1 C3P1	0	0	0.942754225		
FAM35DP FAM35DP	0	5.07795627	25.89281684	28.28262674	
MIR4271 MIR4271	24.59879758	5.07795627	30.3570956		
13.19855915					

FLJ42351	FLJ42351	9.370970508	5.07795627
7.142846024	13.19855915		
DEFA10P DEFA10P	0 0	0.892855753	0
CYP1B1-AS1	CYP1B1-AS1	45.68348122	10.15591254
3.571423012	5.656525348		
GNN GNN	21.08468364	11.17150379	23.21424958
12.25580492			
C21orf128	C21orf128	2.342742627	1.015591254
0.892855753	0		
LOC654342	LOC654342	183.9052962	84.29407409
4.464278765	109.3594901		
LOC728743	LOC728743	647.7683363	578.8870148
1057.141212	783.4287607		
INAFM1 INAFM1	206.1613512	273.1940473	313.3923693
255.4863949			
PCDHGA6 PCDHGA6	0 14.21827756	9.821413283	12.25580492
TMEM170A	TMEM170A	1055.405553	1041.996627
1366.962158	1196.355111		
ZG16B ZG16B	101.9093043	238.6639447	35.71423012
69.76381263			
SPACA7 SPACA7	0 0	2.678567259	0
ACAP3 ACAP3	1794.540852	907.9385811	555.3562784
612.7902461			
RAP2C-AS1	RAP2C-AS1	45.68348122	68.04461402
47.32135491	85.79063445		
LOC388882	LOC388882	0 0	0.892855753 0
NME5 NME5	2.342742627	1.015591254	0 1.885508449
PGBD2 PGBD2	477.9194959	663.1810889	1211.605257
867.3338867			
TSKS TSKS	39.82662466	20.31182508	36.60708587
51.85148236			
TUBA1C TUBA1C	12354.45324	15457.29889	8368.736973
10903.89536			
APOL6 APOL6	7076.254105	4169.002098	18224.07878
8314.149508			
RPARP-AS1	RPARP-AS1	359.6109932	320.9268363
541.0705863	655.2141862		
SENCR SENCN	48.02622385	30.46773762	19.64282657
21.68334717			
MIR4458HG	MIR4458HG	124.1653592	120.8553592
225.8925055	170.6385147		
LOC100130899	LOC100130899	0 0	0 5.656525348
FLJ22447	FLJ22447	60.9113083	21.32741634
4.464278765	32.99639787		
PLEKHA7 PLEKHA7	166.3347265	120.8553592	87.4998638
156.4972013			
MIR3911 MIR3911	26.94154021	20.31182508	59.82133545
37.71016899			
MIR3917 MIR3917	3017.452503	3962.837073	1378.569283
1805.37434			

MIR3916	MIR3916	40.99799597	35.54569389	66.96418148	
73.53482953					
SERF2-C150RF63	SERF2-C150RF63	10904.44731	10876.18265	14727.08878	
10274.13554					
LOC100506071	LOC100506071	19.79783872	37.48388203	43.67042392	0
LOC100505715	LOC100505715	167.8568816	44.51210991	50.7795627	
137.6421168					
STX17-AS1	STX17-AS1	26.78567259	2.342742627	3.046773762	
10.37029647					
C1orf56	C1orf56	312.0516484	248.8198572	335.7137631	
757.8772398					
PYURF	PYURF	7464.727951	8025.20209	10278.55543	
5466.78992					
FAM73B	FAM73B	1758.236629	1476.669683	2094.639597	
1988.98849					
LINC01136	LINC01136	41.96422039	38.65525334	39.60805891	
23.56885562					
FLJ21408	FLJ21408	147.3211993	35.1411394	48.74838019	
142.3558879					
CASC14	CASC14	28.11291152	5.07795627	0	3.771016899
MIR3146	MIR3146	0	1.015591254	0	0
MIR3136	MIR3136	1.885508449	3.51411394	1.015591254	2.678567259
GUCY1B3	GUCY1B3	95.2181767	94.44998663	99.99984434	
161.6492413					
CFLAR-AS1	CFLAR-AS1	2039.28254	1744.171886	2230.238394	
1787.46201					
TUBA1B	TUBA1B	125625.7715	219547.4705	101506.9849	
161480.5638					
TTI1	TTI1	3624.889994	4784.450398	3386.601871	
4690.170739					
SAFB2	SAFB2	3744.619781	3331.139313	4699.992684	
2756.236701					
ASPRV1	ASPRV1	77.30584643	40.62365016	39.28565313	
40.99799597					
SH3PXD2A	SH3PXD2A	380.3565508	408.8085884	225.4612584	
343.1625378					
NPPC	NPPC	1.171371313	10.15591254	0	8.484788022
ODF1	ODF1	1.171371313	1.015591254	0	0.942754225
LOC100128239	LOC100128239	78.57130627	4.685485254	2.031182508	
5.656525348					
LRR37A6P	LRR37A6P	63.39275847	9.370970508	2.031182508	
49.96597391					
ARHGAP5-AS1	ARHGAP5-AS1	29.46423985	3.51411394	4.062365016	
30.16813519					
OR13A1	OR13A1	0	6.093547524	0	0
CERS6-AS1	CERS6-AS1	603.570489	1848.423933	633.7289425	
847.536048					
MIR3714	MIR3714	0	0	5.656525348	

MIR4314	MIR4314	0	0	0	0.942754225	
MIR4306	MIR4306	1.171371313		0	0	0
MIR4316	MIR4316	1.171371313		0	0	0
MIR3677	MIR3677	0	0	0	0.942754225	
MIR3671	MIR3671	2.342742627		0	28.5713841	11.3130507
MIR3665	MIR3665	69.11090749		78.20052656		51.78563368
		47.13771124				
MIR3662	MIR3662	5.856856567		2.031182508		7.142846024
MIR3661	MIR3661	2122.52482		3209.268363		2209.817989
		2082.544082				
LOC100506274	LOC100506274			4.685485254		5.07795627
		21.42853807				
		5.656525348				
PGCP1	PGCP1	0	0	13.3928363		0
MAP2K4P1	MAP2K4P1			40.99799597		29.45214637
		15.1785478				
		22.62610139				
FKBP1A-SDCBP2	FKBP1A-SDCBP2			1166.685828		1040.981035
		607.1419121				
		606.1909665				
MTBP	MTBP	1123.34509		792.1611782		534.8205961
		667.4699911				
FEM1B	FEM1B	2765.607671		1782.362651		2479.460426
		3049.809917				
CDK12	CDK12	964.038591		600.2144311		973.2127708
		1043.628927				
MATN1-AS1	MATN1-AS1			35.1411394		36.56128515
		389.2851083				
		246.0588527				
KRT6A	KRT6A	0	0	0.892855753		0
MRPL41	MRPL41	3040.87993		4102.988666		2228.56796
		2072.173786				
MRPS6	MRPS6	5814.6872		6937.503856		5173.206233
		5505.684672				
LINC00578	LINC00578			0	0	8.035701777
		0.942754225				
LINC00668	LINC00668			0	0	1.785711506
						0
LINC01277	LINC01277			0	0	0
						10.37029647
LOC100130452	LOC100130452			1.171371313		7.109138778
		1.785711506				
PPP1R2P3	PPP1R2P3			25.7701689		27.42096386
		15.1785478				
		13.19855915				
ENTPD1-AS1	ENTPD1-AS1			839.8732318		1467.529362
		314.2852251				
		437.4379603				
LOC100132287	LOC100132287			1.171371313		1.015591254
		13.3928363				
		1.885508449				
PAXIP1-AS1	PAXIP1-AS1			270.5867734		279.2875949
		411.6065021				
		412.9263504				
MIR1178	MIR1178	79.65324932		37.5768764		11.60712479
		27.33987252				
MIR1248	MIR1248	65.59679355		46.71719769		112.4998249
		135.7566084				
MIR1291	MIR1291	10.54234182		17.26505132		10.71426904
		10.37029647				

LOC100129345	LOC100129345	2.342742627	2.031182508	
12.49998054	0.942754225			
NLE1	NLE1	890.2421982	1196.366497	591.9633643
942.7542247				
MIR1229	MIR1229	1.171371313	6.093547524	2.678567259
2.828262674				
MIR1227	MIR1227	31.62702546	45.70160643	17.85711506
16.96957604				
MIR1234	MIR1234	1.171371313	4.062365016	0.892855753
1.885508449				
SSSCA1-AS1	SSSCA1-AS1	43.3407386	66.01343151	
160.7140355	123.5008034			
C2orf27A	C2orf27A	43.3407386	54.84192772	
83.92844078	50.90872813			
GPR171	GPR171	7970.010417	6254.010942	5892.84797
5894.099413				
SLC30A4	SLC30A4	120.6512453	105.6214904	88.39271955
107.4739816				
TNFRSF13B	TNFRSF13B	4.685485254	13.2026863	0
6.599279573				
DNAJC1	DNAJC1	1164.343086	1248.161651	1170.533892
1109.621722				
GIMAP1	GIMAP1	2711.724591	3141.223749	3632.137203
3063.008476				
LOC100129148	LOC100129148	1855.452161	2272.893227	
2008.925444	2105.170184			
LOC100499484	LOC100499484	94.88107639	64.99784026	
127.6783727	160.2682182			
RMRP	RMRP	70.28227881	9.140321286	24.99996108
48.08046546				
GNAS-AS1	GNAS-AS1	19.91331233	20.31182508	
15.1785478	3.771016899			
LINC01023	LINC01023	4.685485254	0	1.785711506
1.885508449				
NCF1C	NCF1C	36.31251072	13.2026863	16.07140355
6.599279573				
NCF1B	NCF1B	97.22381902	139.1360018	192.8568427
187.6080907				
PIAS4	PIAS4	672.3671339	972.9364214	782.1416397
471.3771124				
LINC01012	LINC01012	22.25605496	40.62365016	
69.64274874	35.82466054			
PMS2P9	PMS2P9	19.91331233	12.18709505	33.92851862
32.05364364				
HEPN1	HEPN1	0	1.015591254	0
GGA2	GGA2	7697.080901	8701.585865	6616.06113
7468.498968				
ZHX2	ZHX2	952.3248778	880.5176173	1995.532608
2075.002049				
DCBLD1	DCBLD1	373.667449	619.510665	469.6421261

639.1873644						
KDM4A-AS1	KDM4A-AS1		386.5525334		483.4214369	
409.8207906	391.2430033					
GCSHP3	GCSHP3	21.08468364	21.32741634		18.74997081	
23.56885562						
WDR49	WDR49	0	0	1.885508449		
LOC440028	LOC440028		9.370970508		5.07795627	0
	0.942754225					
ZNF205-AS1	ZNF205-AS1		21.08468364		35.54569389	
16.96425931	17.91233027					
LOC100240734	LOC100240734		4.685485254		5.07795627	
2.678567259	6.599279573					
FLJ12825	FLJ12825		1.171371313		3.046773762	0
	9.427542247					
CDH10	CDH10	1.171371313	0	0.892855753		0
GPRC5B	GPRC5B	0	83.92844078		4.713771124	
NLK	NLK	185.0766675	100.5435342		130.3569399	
127.2718203						
POLR3K	POLR3K	4274.333923	6147.373861		3238.387816	
3591.893596						
DNAJB11	DNAJB11	6321.890979	7804.818787		4604.457118	
4519.563753						
SLC16A1-AS1	SLC16A1-AS1		165.1633552		152.3386881	
266.9638702	230.9747851					
TPRG1-AS2	TPRG1-AS2		0	15.23386881		5.357134518
	19.79783872					
EVL	EVL	4316.50329	1582.291174		1852.675688	
2279.579715						
GJB2	GJB2	528.2884624	213.2741634		155.356901	
835.2802431						
TNKS	TNKS	1967.903807	1589.400313		2057.139655	
1833.656967						
MIR16-2	MIR16-2	10.54234182	4.062365016		5.357134518	
11.3130507						
HUWE1	HUWE1	8334.306895	3872.449452		2856.245554	
4500.708669						
ADAM23	ADAM23	4.685485254	6.093547524		123.2140939	
195.1501245						
SNORA70G	SNORA70G		25.7701689		18.28064257	
8.035701777	25.45436407					
LOC100289511	LOC100289511		2155.323217		1968.21585	
3405.351842	3129.944026					
LOC100294362	LOC100294362		788.332894		247.804266	
241.9639091	369.5596561					
BCDIN3D-AS1	BCDIN3D-AS1		331.4980817		416.3924142	
733.0345732	583.5648651					
FAM133CP	FAM133CP		1.171371313		0	0
0.942754225						
MST1P2	MST1P2	2.342742627	0	101.7855558		103.7029647
LOC100133050	LOC100133050		0	3.046773762		0

SNORD125	SNORD125	12.88508445	5.07795627	
2.678567259	2.828262674			
SNORD126	SNORD126	2.342742627	0	0
0.942754225				
SCARNA27	SCARNA27	2.342742627	0	8.92855753
9.427542247				
SNORD58C	SNORD58C	18.74194102	4.062365016	
33.03566286	47.13771124			
SNORD105B	SNORD105B	0	0	0.892855753
0.942754225				
SNORD19B	SNORD19B	50.36896648	37.5768764	
83.92844078	98.04643937			
SNORA11C	SNORA11C	0	0	4.464278765
SNORA70B	SNORA70B	4.685485254	8.124730032	0
1.885508449				
SNHG15	SNHG15	1419.702032	2173.365284	3198.209307
2023.150566				
SNORD12B	SNORD12B	3.51411394	0	0
SNORA36C	SNORA36C	0	2.031182508	0
3.771016899				
SNORA84	SNORA84	57.39719436	78.20052656	155.356901
126.3290661				
SNHG9	SNHG9	248.3307185	181.7908345	276.7852834
181.9515654				
LRR37A4P	LRR37A4P	304.5565415	120.8553592	
265.1781587	377.1016899			
SNX29P2	SNX29P2	45.68348122	17.26505132	9.821413283
37.71016899				
H0XA11-AS	H0XA11-AS	0	0	0
TPTEP1	TPTEP1	1.171371313	6.093547524	26.78567259
6.599279573				
SCARNA16	SCARNA16	55.05445173	51.79515396	
41.96422039	48.08046546			
SNORA67	SNORA67	69.11090749	38.59246765	249.1067551
145.1841506				
RPL13P5	RPL13P5	180.3911823	140.1515931	215.1782365
175.3522858				
PWARSN	PWARSN	84.33873457	53.82633646	648.2132767
389.3574948				
LOC100130987	LOC100130987	24.59879758	24.3741901	
36.60708587	26.39711829			
DCTN1-AS1	DCTN1-AS1	9.370970508	8.124730032	
3.571423012	2.828262674			
USP27X-AS1	USP27X-AS1	17.5705697	14.21827756	
107.1426904	63.16453306			
LINC00921	LINC00921	33.96976809	24.3741901	
143.7497762	112.1877527			
PDCD6IPP2	PDCD6IPP2	16.39919839	29.45214637	
93.74985407	25.45436407			
LOC100130298	LOC100130298	74.96776406	151.3230969	

335.7137631	146.1269048				
RCAN3AS RCAN3AS	28.11291152	24.3741901	51.78563368		
44.30944856					
TFAP2A-AS1	TFAP2A-AS1	12.88508445	6.093547524	0	
4.713771124					
RBM5-AS1	RBM5-AS1	564.6009731	605.2923874		
849.1058211	911.6433353				
MIR298 MIR298	0 0	0	1.885508449		
MIR192 MIR192	0 0	3.571423012	0		
LOC100507412	LOC100507412	245.9879758	107.6526729		
482.1421066	262.0856745				
MIR363 MIR363	0 1.015591254	0	0		
MIR130B MIR130B	0 3.046773762	8.92855753	0		
MIR150 MIR150	2.342742627	2.031182508	1.785711506		
2.828262674					
LINC01260	LINC01260	128.8508445	296.5526462		
430.356473	204.5776668				
LOC254896	LOC254896	0	0	10.71426904	
0.942754225					
MIRLET7DHG	MIRLET7DHG	26.94154021	4.062365016		
33.92851862	34.88190631				
LOC550113	LOC550113	0	0	3.571423012	0
LOC101243545	LOC101243545	96.0524477	154.3698706		
194.6425542	146.1269048				
CXorf31 CXorf31	1.171371313	0	0	0.942754225	
USP45 USP45	700.4800454	900.8294423	916.9628584		
797.5700741					
LOC100505978	LOC100505978	0	9.140321286	5.357134518	
6.599279573					
SMYD1 SMYD1	1.171371313	0	0	4.713771124	
DTX2P1-UPK3BP1-PMS2P11	DTX2P1-UPK3BP1-PMS2P11	114.7943887			
64.99784026	144.642632	107.4739816			
LINC00955	LINC00955	0	0	0	2.828262674
ARAP2 ARAP2	4006.089892	2442.496966	5092.849215		
6941.499357					
MIR3128 MIR3128	1.171371313	0	0.892855753	1.885508449	
LINC00612	LINC00612	2.342742627	0	11.60712479	
20.74059294					
LOC100133286	LOC100133286	1126.859204	2489.214164		
2374.103447	1392.44799				
PTOV1-AS1	PTOV1-AS1	243.6452332	205.1494333		
136.6069302	172.5240231				
CYP46A1 CYP46A1	0 0	4.464278765	0		
RPL23AP53	RPL23AP53	330.3267104	185.8531995		
408.9279349	559.0532553				
MIR4295 MIR4295	5.856856567	2.031182508	0	1.885508449	
CXCL16 CXCL16	131.1935871	213.2741634	603.570489		
283.7690216					
SKP1P2 SKP1P2	0 0	1.785711506	0		
MIR3651 MIR3651	46.85485254	64.99784026	131.2497957		

115.0160154						
MIR3650	MIR3650	0	0	0	1.885508449	
LOC101928008	LOC101928008			0	3.046773762	0.892855753
					12.25580492	
TENM3	TENM3	0	0	4.464278765		0
DLG1-AS1	DLG1-AS1			30.45565415		30.46773762
24.99996108	21.68334717					
TCEB3-AS1	TCEB3-AS1			338.5263096		394.0494066
612.4990466	582.6221109					
LOC100506895	LOC100506895	0	0	0	0.892855753	0
LOC100128176	LOC100128176			1.171371313		3.046773762
35.71423012	36.76741476					
FAM24B-CUZD1	FAM24B-CUZD1			183.9052962		126.9489068
196.4282657	202.6921583					
LOC100233156	LOC100233156			120.6512453		269.1316823
157.1426125	169.6957604					
SLFNL1-AS1	SLFNL1-AS1			90.19559114		92.41880412
73.21417175	93.33266825					
LINC00487	LINC00487			4.685485254	0	26.78567259
						10.37029647
C21orf54	C21orf54	0		2.031182508	0	0
ZFP91-CNTF	ZFP91-CNTF			1596.5791		1585.337948
955.3556557	924.8418944					
LOC100506178	LOC100506178	0		20.31182508		17.85711506
						0
MED4-AS1	MED4-AS1			1884.736443		2239.378715
2149.996653	2060.860735					
H0XA10-H0XA9	H0XA10-H0XA9			9.370970508	0	0
8.484788022						
SRGAP2B	SRGAP2B	589.1997707		575.840241		324.9994941
378.0444441						
BACE1-AS	BACE1-AS			0	1.015591254	0
1.885508449						
UBOX5-AS1	UBOX5-AS1			213.1895791		220.3833021
292.856687	192.3218618					
MKNK1-AS1	MKNK1-AS1			359.6109932		592.0897011
422.3207712	411.040842					
POU5F2	POU5F2	2.342742627		0	0	0
LSMEM2	LSMEM2	1137.401545		1629.008372		1337.497918
1414.131337						
EPC2	EPC2	154.6210134		100.5435342		299.1066773
407.2698251						
RPS16P5	RPS16P5	70.28227881		39.60805891		38.39279738
40.53843166						
MIR4263	MIR4263	23.42742627		36.56128515		37.49994163
13.19855915						
MIR4269	MIR4269	0	0	4.464278765		1.885508449
MIR4265	MIR4265	0	0	0.892855753		0
MIR4253	MIR4253	1.171371313		1.015591254	0	0
MIR4260	MIR4260	3.51411394		3.046773762	0	0.942754225

MIR4257	MIR4257	0	0	2.678567259	0		
MIR4324	MIR4324	0	4.062365016	5.357134518	16.02682182		
MIR4315-1	MIR4315-1			228.4174061	262.0225435		
290.1781197	234.745802						
AKR7L	AKR7L	1.171371313		1.015591254	27.67852834		
12.25580492							
LOC100652770	LOC100652770			9.370970508	5.07795627	0	
	9.427542247						
LOC100287944	LOC100287944			48.02622385	52.81074521		
86.60700804	57.50800771						
MORF4L2-AS1	MORF4L2-AS1			50.36896648	61.9510665		
136.6069302	157.4399555						
LINC01239	LINC01239			1.171371313	0	0	0
LOC339874	LOC339874			0	2.031182508	19.64282657	
	17.91233027						
LINC00547	LINC00547	0	0	0	1.885508449		
LINC00894	LINC00894			35.1411394	32.49892013		
65.17846997	65.99279573						
MIR4515	MIR4515	3.51411394		1.015591254	4.464278765	0	
MIR4513	MIR4513	2.342742627		6.093547524	7.142846024		
12.25580492							
MIR4511	MIR4511	0	0	0.892855753	0		
IL10RB-AS1	IL10RB-AS1			81.99599194	68.04461402		
34.82137437	96.16093092						
MIRLET7D	MIRLET7D			4.685485254	6.093547524		
4.464278765	7.542033798						
SLC47A1	SLC47A1	165.1633552		62.96665775	0	94.27542247	
MIR4762	MIR4762	0	1.015591254	0	0		
MIR4724	MIR4724	17.5705697		9.140321286	24.10710533		
22.62610139							
CECR5-AS1	CECR5-AS1			4.685485254	2.031182508		
51.78563368	28.28262674						
ACN9	ACN9	1042.520469		1089.729416	910.7128681		
1153.931171							
CBWD2	CBWD2	1013.236186		2032.198099	1496.426242		
1070.968799							
HSCB	HSCB	509.5465214		496.6241232	495.5349429		
415.7546131							
LOC100506674	LOC100506674			21.08468364	9.140321286		
24.10710533	33.93915209						
HIST1H2AL	HIST1H2AL			93.70970508	105.6214904		
35.71423012	32.05364364						
MIR378D2	MIR378D2			0	0	11.60712479	0
MIR497	MIR497	0	1.015591254	0	0		
MIR432	MIR432	0	0	2.678567259	0		
PKD1P1	PKD1P1	1793.369481		507.795627	1350.890754		
1381.134939							
KRTAP5-2	KRTAP5-2			2.342742627	0	0	
0.942754225							
ZNF705A	ZNF705A	3.51411394		0	0	0	

PLEKHG7 PLEKHG7	2.342742627	2.031182508	0	3.771016899
WASH2P WASH2P	187.4194102	127.964498	128.5712284	
171.5812689				
LOC100130744	LOC100130744	742.6494127	754.5843018	
625.8918829	787.1997776			
CCDC163P	CCDC163P	295.185571	193.9779295	
198.2139772	254.5436407			
SNORD103B	SNORD103B	10.54234182	0	9.821413283
5.656525348				
LOC644554	LOC644554	0	0	16.02682182
ST3GAL4-AS1	ST3GAL4-AS1	202.6472372	285.3811424	
75.89273901	97.10368515			
LINC00163	LINC00163	0	0	0.892855753
MIRLET7A1	MIRLET7A1	2.342742627	0	0.892855753
4.713771124				
MIR146B MIR146B	0	0	1.885508449	
TUSC1 TUSC1	16.39919839	2.031182508	0	6.599279573
PABPC5 PABPC5	0	4.464278765	0	
LOC100506321	LOC100506321	931.2401942	847.0031059	
1293.747986	851.3070649			
LINC00938	LINC00938	577.4860575	483.4214369	
572.3205377	805.1121079			
MIR4449 MIR4449	8.199599194	1.015591254	3.571423012	
7.542033798				
LOC100132078	LOC100132078	2.342742627	0	0
5.656525348				
MIR4442 MIR4442	187.4194102	154.3698706	128.5712284	
147.0696591				
MIR4439 MIR4439	2.342742627	0	0.892855753	2.828262674
MIR548AE2	MIR548AE2	3.51411394	0	0
MIR4437 MIR4437	7.028227881	4.062365016	2.678567259	0
HOTAIRM1	HOTAIRM1	45.68348122	21.32741634	
31.24995136	49.02321969			
LOC100507351	LOC100507351	1.171371313	0	0
MIR4700 MIR4700	85.51010588	39.60805891	78.57130627	
70.70656685				
MIR4697 MIR4697	0	1.015591254	0	0.942754225
MIR4426 MIR4426	12183.43303	13842.50879	16466.0458	
14733.36302				
TXLNGY TXLNGY	589.1997707	0	0	843.7650311
MIR197 MIR197	5.856856567	2.031182508	6.249990271	
3.771016899				
VTRNA2-1	VTRNA2-1	3.51411394	2.031182508	0
3.771016899				
ZNF826P ZNF826P	35.1411394	171.6349219	183.9282851	
65.05004151				
LOC646471	LOC646471	404.1231031	514.9047658	
629.4633059	433.6669434			
LINC00441	LINC00441	12.88508445	7.109138778	
39.28565313	27.33987252			

RBM26-AS1	RBM26-AS1	105.4234182	116.7929942	
208.0353905	211.1769463			
STAG3L3 STAG3L3	443.9497278	354.4413477	520.534904	
549.625713				
STAG3L2 STAG3L2	679.3953618	1093.791781	1253.569477	
917.2998606				
STAG3L1 STAG3L1	609.113083	514.9047658	725.8917272	
777.7722354				
LOC100287015	LOC100287015	262.3871742	342.2542526	
208.0353905	285.6545301			
LDLRAD4-AS1	LDLRAD4-AS1	1.171371313	2.031182508	
7.142846024	11.3130507			
HIST1H2AE	HIST1H2AE	80.82462063	44.68601518	
46.42849916	38.65292321			
TPH2 TPH2	0 1.015591254	0	0	
TTC3P1 TTC3P1	0 0	8.035701777	5.656525348	
TLR8-AS1	TLR8-AS1	2.342742627	0 0	0
FAM212A FAM212A	22.25605496	20.31182508	123.2140939	
41.48118589				
TAF4B TAF4B	842.2159744	1112.072423	2239.282229	
2131.567302				
LOXL1 LOXL1	32.79839678	76.16934405	146.4283435	
197.035633				
MTFMT MTFMT	1088.20395	1560.963757	1023.212693	
966.3230803				
LINC00266-1	LINC00266-1	0 0	1.785711506	
3.771016899				
MAGI1-AS1	MAGI1-AS1	1.171371313	0 0	
0.942754225				
CSNK1G2-AS1	CSNK1G2-AS1	4.685485254	2.031182508	
0.892855753	5.656525348			
A2MP1 A2MP1	1.171371313	0 0 0		
MIR3155B	MIR3155B	0 3.046773762	5.357134518	
0.942754225				
PCAT19 PCAT19	2.342742627	28.43655511	12.49998054	0
ADPGK-AS1	ADPGK-AS1	606.7703404	843.9563321	
950.891377	723.0924904			
LOC100506834	LOC100506834	0 0	0 2.828262674	
MIR646HG	MIR646HG	21.08468364	12.18709505	
11.60712479	13.19855915			
FAM87A FAM87A	4.685485254	1.015591254	5.357134518	
1.885508449				
PAPPA-AS1	PAPPA-AS1	2.342742627	1.015591254	0
4.713771124				
GSN-AS1 GSN-AS1	36.31251072	41.63924142	32.14280711	
41.48118589				
TMEM75 TMEM75	10.54234182	4.062365016	0 9.427542247	
C8orf49 C8orf49	0 3.046773762	0	0	
ACER1 ACER1	2.342742627	1.015591254	35.71423012	
12.25580492				

PCAT1	PCAT1	0	0	20.53568232	0.942754225	
RNF157-AS1	RNF157-AS1			671.1957626	788.0988131	
810.7130238	578.851094					
LOC100506082	LOC100506082			3.51411394	1.015591254	0
0						
PMS2P3	PMS2P3	304.5565415		264.0537261	532.1420288	
393.1285117						
ZSCAN16-AS1	ZSCAN16-AS1			378.3529342	479.3590719	
593.7490758	468.5488497					
LOC100505658	LOC100505658			32.79839678	16.24946006	
6.249990271	30.16813519					
GALNT13	GALNT13	0	1.015591254	0	0	
FMNL2	FMNL2	10.54234182		11.17150379	70.53560449	
16.96957604						
SLC16A12	SLC16A12			0	1.015591254	24.99996108
0.942754225						
SULT1B1	SULT1B1	100.737933		78.20052656	16.96425931	
58.45076193						
TSPYL2	TSPYL2	1282.651588		1268.473476	7826.773531	
4651.549345						
ASB12	ASB12	18.74194102		7.109138778	16.96425931	
9.427542247						
COLEC12	COLEC12	0	0	4.464278765	0	
LPCAT4	LPCAT4	1174.885427		890.6735298	514.2849137	
854.1353276						
SELM	SELM	78.481878		193.9779295	2728.567181	
1018.174563						
LIX1	LIX1	0	0	10.71426904	10.37029647	
FBX039	FBX039	7.028227881		2.031182508	36.60708587	
25.45436407						
TULP2	TULP2	0	2.031182508	8.035701777	0	
DAND5	DAND5	0	2.031182508	0	0	
SVEP1	SVEP1	0	0	0	0.942754225	
SNORD35B	SNORD35B			59.73993699	63.98224901	
122.3212382	83.905126					
UBE2Q2L	UBE2Q2L	0	2.031182508	1.785711506	10.37029647	
ATXN7L2	ATXN7L2	701.6514168		817.5509595	735.7131405	
710.8366854						
RPL13AP5	RPL13AP5			15138.80286	17682.45932	
28408.88435	22872.16025					
TMEM86B	TMEM86B	282.3004865		83.27848283	194.6425542	
164.0392351						
TEKT2	TEKT2	4.685485254		0	9.821413283	0
MIR663AHG	MIR663AHG			0	3.046773762	17.85711506
1.885508449						
FLJ42102	FLJ42102			0	0	0.892855753
LOC100129027	LOC100129027			9.370970508	6.093547524	0
1.785711506	0					
ZNF212	ZNF212	1030.806756		1133.39984	1328.569361	
1219.923967						

XRN2	XRN2	10648.93661	10550.97754	8122.308785	
10593.72922					
GNRHR2	GNRHR2	946.4680213	1295.89444	1673.211681	
1477.29587					
C14orf79	C14orf79		40.99799597	24.3741901	
30.3570956	97.10368515				
LDLRAD3	LDLRAD3	18.74194102	27.42096386	0	7.542033798
SMIM14	SMIM14	161.6492413	218.3521196	889.28433	
399.7277913					
RNASEK-C17orf49	RNASEK-C17orf49		21388.06881	24780.4266	
16820.50953	14384.54396				
LINC00943	LINC00943		3.51411394	2.031182508	
60.71419121	96.16093092				
HEATR4	HEATR4	263.5585455	385.9246765	649.1061325	
461.9495701					
EZR-AS1	EZR-AS1	2239.661951	3169.660304	1674.104537	
1578.170572					
PPIAL4F	PPIAL4F	0	0	0.942754225	
LINC01132	LINC01132		345.5545375	563.653146	
133.928363	140.4703795				
ZFX-AS1	ZFX-AS1	2.342742627	9.140321286	5.357134518	
0.942754225					
FLJ46284	FLJ46284		0	0	5.357134518
KIR2DL5B	KIR2DL5B		0	0	2.678567259
CYP3A7-CYP3AP1	CYP3A7-CYP3AP1		12.88508445	7.109138778	
11.60712479	18.85508449				
BATF2	BATF2	0	0	52.67848943	14.14131337
IQCD	IQCD	43.3407386	37.5768764	35.71423012	
62.22177883					
PROX2	PROX2	4.685485254	3.046773762	49.99992217	
13.19855915					
STYK1	STYK1	5.856856567	42.65483267	33.92851862	
26.39711829					
TMEM240	TMEM240	2.342742627	0	0	0
TCERG1L	TCERG1L	12.88508445	7.109138778	0	6.599279573
N6AMT2	N6AMT2	634.8832519	652.0095851	584.8205182	
576.9655855					
MRAP2	MRAP2	0	0	6.249990271	0
MARS2	MARS2	942.9539073	1256.286381	1104.462567	
1169.957993					
EMC10	EMC10	499.0041795	151.3230969	337.4994746	
309.2233857					
CASC5	CASC5	4078.714913	2924.902812	866.0700804	
1762.9504					
CHRNA7	CHRNA7	1.171371313	3.046773762	0	1.885508449
DPH6-AS1	DPH6-AS1		7.028227881	7.109138778	
10.71426904	6.599279573				
LOC100506499	LOC100506499		114.7943887	78.20052656	
133.928363	134.8138541				
LOC102031319	LOC102031319		1.171371313	6.093547524	

5.357134518	1.885508449			
LOC100129973	LOC100129973	45.68348122	45.70160643	
125.8926612	135.7566084			
TSPEAR TSPEAR	10.54234182	0 0	0	
SPDYE1 SPDYE1	60.9113083	42.65483267	83.92844078	
65.99279573				
KIAA1656	KIAA1656	119.479874	118.8241767	
64.28561422	106.5312274			
KLHL6 KLHL6	2704.696363	1880.875003	3220.530701	
3119.57373				
STARD4-AS1	STARD4-AS1	331.4980817	282.3343686	
133.928363	214.9479632			
MIR5190 MIR5190	0 0	0.892855753	0	
MIR5188 MIR5188	1.171371313	1.015591254	0 0	
MIR5187 MIR5187	79.65324932	85.30966534	36.60708587	
34.88190631				
MIR5094 MIR5094	2.342742627	1.015591254	0 1.885508449	
MIR5093 MIR5093	1.171371313	0 0 0		
MIR5091 MIR5091	2.342742627	0 7.142846024	1.885508449	
MIR5090 MIR5090	168.6774691	248.8198572	124.9998054	
131.0428372				
MIR5088 MIR5088	42.16936728	66.01343151	32.14280711	
46.19495701				
ELK2AP ELK2AP	1.171371313	0 0 0		
PFN1P2 PFN1P2	19.91331233	14.21827756	36.60708587	
10.37029647				
ANKRD20A12P	ANKRD20A12P	2.342742627	0 0	
1.885508449				
LINC00659	LINC00659	3.51411394	5.07795627	
16.07140355	1.885508449			
XKR3 XKR3	3.51411394	0 0 0		
ZNF792 ZNF792	920.6978524	959.7337351	1116.962547	
881.4752001				
SWSAP1 SWSAP1	392.40939	608.3391612	489.2849527	
367.6741476				
UBE3D UBE3D	204.9899799	319.911245	216.0710922	
159.325464				
KCTD21-AS1	KCTD21-AS1	176.8770683	246.7886747	
211.6068135	197.9783872			
ERICH1-AS1	ERICH1-AS1	0 5.07795627 0 0		
ZNF818P ZNF818P	38.65525334	14.21827756	366.9637145	
191.3791076				
CMC1 CMC1	1224.083023	1412.687434	1139.283941	
1209.55367				
TEX19 TEX19	0 0	0 6.599279573		
DPP9 DPP9	6834.951614	7801.772014	4691.064126	
4868.382816				
SRRM2 SRRM2	27043.44951	20620.56482	28163.34902	
27202.2304				
ZNF22 ZNF22	1629.377497	1686.897073	2683.924394	

2625.570516					
TNFAIP1	TNFAIP1	2561.789063	3085.36623	2757.138565	
2776.411192					
TTC3	TTC3	3207.214656	2803.031861	4948.206583	
5675.380433					
OTUD7A	OTUD7A	23.42742627	50.7795627	169.6425931	
244.1733442					
PIGW	PIGW	1439.615344	1508.153012	1481.247694	
1512.177776					
EXOC3L1	EXOC3L1	5.856856567	11.17150379	0	14.14131337
DRD4	DRD4	1.171371313	1.015591254	0	1.885508449
FAM101B	FAM101B	2403.653935	1597.525043	1133.926806	
1427.329896					
NOD2	NOD2	324.4698538	291.4746899	1092.855442	
680.6685502					
CR1L	CR1L	2.342742627	0	0	9.427542247
BST1	BST1	23.42742627	41.63924142	0.892855753	
19.79783872					
CS	CS	15840.45427	18591.4135	11162.48262	
12929.87419					
FAM195A	FAM195A	924.2119663	1223.787461	1062.498346	
931.441174					
PGBD4	PGBD4	171.0202118	147.2607318	436.6064632	
404.4415624					
MTPAP	MTPAP	1675.060978	1167.929942	1247.319487	
1263.290661					
DOK4	DOK4	364.2964785	410.2988666	1026.784116	
505.3162644					
TMEM183A	TMEM183A		3790.55757	4962.178867	
3902.672496	3613.576943				
RPAP2	RPAP2	1774.62754	1968.21585	2128.568115	
2023.150566					
RHOT2	RHOT2	7091.481932	7691.072567	6549.096948	
6636.989742					
CYB5R1	CYB5R1	1299.050787	1488.856778	2763.388556	
2005.238236					
ZNF57	ZNF57	262.3871742	398.1117716	762.4988131	
447.8082567					
ZNF283	ZNF283	119.479874	119.839768	296.42811	
294.1393181					
DNTTIP1	DNTTIP1	3251.726766	4660.548265	2749.102864	
2687.792295					
LOC100132781	LOC100132781		4.685485254	5.07795627	0
0.942754225					
LINC00951	LINC00951		2.342742627	0	17.85711506
4.713771124					
UG0898H09	UG0898H09		0	0	8.92855753
LM07DN	LM07DN	0	0	0	1.785711506
PRDM5	PRDM5	8.199599194	16.24946006	13.3928363	
5.656525348					

PCAT6	PCAT6	11.71371313	4.062365016	15.1785478	
9.427542247					
STARD7-AS1	STARD7-AS1	1342.855053	1849.595304	2244.456671	
1626.251038					
NS3BP	NS3BP	63.25405093	16.24946006	53.57134518	
143.2986422					
KLHL25	KLHL25	374.8388203	417.4080054	773.2130821	
741.9475749					
SNORA10	SNORA10	85.51010588	109.6838554	166.0711701	
130.100083					
NDFIP1	NDFIP1	6300.806295	3942.525248	6412.490018	
5724.403652					
MCEMP1	MCEMP1	0	24.99996108	0	
0					
TNFAIP6	TNFAIP6	1.171371313	0	105.3569789	0.942754225
7.028227881					
TCHH	TCHH	7.028227881	8.124730032	0	0.942754225
TEP1	TEP1	1288.508445	376.7843553	665.177536	
507.2017729					
NLRP9	NLRP9	0	1.015591254	12.49998054	7.542033798
0					
USP30-AS1	USP30-AS1	903.5700221	439.2642425	410.2988666	
817.3679128					
LINC00327	LINC00327	1.171371313	1.171371313	0	0
0					0
CTAGE7P	CTAGE7P	7.028227881	3.046773762	2.678567259	
7.542033798					
LOC285819	LOC285819	44.64278765	99.56656164	69.06020528	
95.2181767					
MIR5586	MIR5586	2.342742627	1.015591254	4.464278765	0
MIR5581	MIR5581	30.45565415	4.062365016	6.249990271	
45.25220279					
MIR664B	MIR664B	4.685485254	0	9.821413283	0
MIR4639	MIR4639	1.171371313	2.031182508	11.60712479	
7.542033798					
KDM7A	KDM7A	2484.478556	1113.088014	1864.282812	
1778.034468					
LINC00507	LINC00507	0	0	0	2.828262674
0					
LOC101059948	LOC101059948	0.942754225	0	0	8.92855753
0					
MIR4750	MIR4750	11.71371313	5.07795627	14.28569205	
8.484788022					
MINOS1P1	MINOS1P1	26.78567259	70.28227881	15.23386881	
62.22177883					
LYRM9	LYRM9	74.96776406	77.18493531	324.1066384	
244.1733442					
LOC644172	LOC644172	0	0	3.046773762	8.92855753
0					
FSIP2	FSIP2	1.171371313	0	0	1.885508449
0					
ERVFRD-1	ERVFRD-1	12.25580492	2.342742627	0	0
0					
STARD5	STARD5	176.8770683	207.1806158	485.7135296	
397.8422828					
IPMK	IPMK	536.4880616	355.4569389	516.0706253	

582.6221109					
HOXB-AS1	HOXB-AS1		38.65525334		17.26505132
24.99996108	51.85148236				
LOC100507283	LOC100507283		8.199599194		12.18709505
58.9284797	45.25220279				
LOC101929505	LOC101929505		4.685485254		7.109138778
19.64282657	0				
WBP2NL WBP2NL	17.5705697		3.046773762		18.74997081
16.96957604					
DTX3L DTX3L	7570.572799		5866.055083		15052.65514
13284.34978					
MPLKIP MPLKIP	1643.433953		1902.202419		1606.2475
1654.533664					
ZNF616 ZNF616	378.3529342		310.7709237		947.319954
904.1013015					
TRAM2-AS1	TRAM2-AS1		26.94154021		12.18709505
100.8927001	49.96597391				
RBFADN RBFADN	0 0		0	1.885508449	
HAVCR2 HAVCR2	10640.73701		10076.69642		1569.640414
3602.263893					
TRIM11 TRIM11	2177.579272		2589.757698		2174.996614
2278.636961					
NEGR1 NEGR1	1.171371313		0 0		15.0840676
COX8C COX8C	0 1.015591254		7.142846024		6.599279573
RIMS4 RIMS4	0 3.046773762		0		0.942754225
TMEM52 TMEM52	9.370970508		11.17150379		61.60704696
10.37029647					
RPL27A RPL27A	11719.56999		12671.53208		20055.32592
16527.42431					
RPL26 RPL26	7269.530371		7421.940885		8000.880403
7655.164305					
PEBP4 PEBP4	0 0		7.142846024		0
CPLX4 CPLX4	0 0		0	2.828262674	
ENHO ENHO	1.171371313		8.124730032		5.357134518
14.14131337					
MED12L MED12L	70.28227881		23.35859884		75.89273901
35.82466054					
GAPT GAPT	0 0		0	12.25580492	
KIF7 KIF7	124.1653592		118.8241767		67.85703723
52.79423658					
MGAT5 MGAT5	440.4356139		409.2832754		398.2136659
601.4771954					
CEP97 CEP97	910.1555106		966.8428739		883.0343397
1051.170961					
LAMTOR1 LAMTOR1	4540.235211		4029.866096		3670.530001
3173.31072					
PAK1IP1 PAK1IP1	2066.298997		2167.271736		2302.674987
2158.907175					
TTC23L TTC23L	4.685485254		4.062365016		12.49998054
3.771016899					

MIR6829	MIR6829	2.342742627	0	0	0	
LINC00417	LINC00417		0	0	0	1.885508449
SMIM2-AS1	SMIM2-AS1		0	2.031182508		3.571423012
		3.771016899				
TPRG1	TPRG1	534.1453189	352.4101652		89.2855753	
		388.4147406				
GZMH	GZMH	231.9315201	121.8709505		444.642165	
		328.0784702				
CCDC137	CCDC137	2507.905982	3540.351112		2491.067551	
		2452.103738				
ZNF32-AS2	ZNF32-AS2		115.96576		165.5413744	
		435.7136075				
LINC-ROR	LINC-ROR		1.171371313	0	0	0
EGFR-AS1	EGFR-AS1		0	0	0	2.828262674
LOC100288866	LOC100288866		0	0	5.357134518	0
LOC100507506	LOC100507506		2.342742627		2.031182508	
		9.821413283				
PTENP1-AS	PTENP1-AS		0	0	0.892855753	0
SIGLEC17P	SIGLEC17P		11.71371313		43.67042392	
		10.71426904				
ALG14	ALG14	468.5485254	585.9961536		336.6066189	
		238.5168189				
IMMP1L	IMMP1L	791.8470079	774.8961268		674.9989493	
		571.3090602				
JAG1	JAG1	25.7701689	33.51451138		125.8926612	
		14.14131337				
MISP	MISP	7.028227881	2.031182508		1.785711506	
		0.942754225				
CXorf38	CXorf38	1376.361293	2046.416377		2797.317074	
		1838.370738				
CENPV	CENPV	746.1635267	1328.39336		721.4274484	
		695.7526178				
TMEM44-AS1	TMEM44-AS1		230.7601488		259.991361	
		275.8924277				
RMDN2-AS1	RMDN2-AS1		0	0	2.678567259	
		2.828262674				
PGAM1P5	PGAM1P5	0	0	0.892855753	1.885508449	
LOC100996255	LOC100996255		2.342742627		8.124730032	
		158.928324				
FLJ31104	FLJ31104		10.54234182		15.23386881	
		34.82137437				
SNORD124	SNORD124		8.199599194		2.031182508	
		5.357134518				
SNORD121B	SNORD121B		2.342742627	0	0	
		1.885508449				
LOC729930	LOC729930		1.171371313	0	0	
		8.484788022				
SSTR2	SSTR2	9.370970508	11.17150379		32.14280711	0
FLJ35934	FLJ35934		1.171371313	0	2.678567259	
		0.942754225				

DCAF7	DCAF7	12272.45725	11309.62421	8770.522062	
9806.529445					
MUC19	MUC19	0	0	2.678567259	0.942754225
EN04	EN04	5.856856567	3.046773762	8.92855753	
4.713771124					
LOC100289580	LOC100289580		1260.395533	692.6332353	
299.999533	421.4111384				
PRKXP1	PRKXP1	338.5263096	135.0736368	527.67775	
499.6597391					
KLHL17	KLHL17	583.3429141	330.0671576	498.2135102	
527.9423658					
BCL6B	BCL6B	87.85284851	217.3365284	17.85711506	
31.11088942					
KIAA1147	KIAA1147		1662.175894	2639.521669	
2891.066928	2984.759875				
IL36A	IL36A	8.199599194	3.046773762	2.678567259	0
ZNF599	ZNF599	140.5645576	150.3075056	253.5710339	
147.0696591					
DNASE1	DNASE1	941.782536	862.2369747	960.7127903	
869.2193952					
F2R	F2R	6730.699567	2555.227595	887.4986185	
3042.267883					
SYS1-DBNDD2	SYS1-DBNDD2		488.4618377	740.3660242	
1560.711856	955.0100296				
USP32P1	USP32P1	64.42542224	12.18709505	49.99992217	
85.79063445					
LINC01118	LINC01118		0	2.031182508	0
LINC00885	LINC00885		0	5.07795627	0
2.828262674					
MIR2861	MIR2861	5.856856567	1.015591254	3.571423012	
4.713771124					
MIR4282	MIR4282	0	1.015591254	0	0
GTF3C2-AS1	GTF3C2-AS1		1639.919839	2185.552379	
1595.533231	1599.853919				
LINC00671	LINC00671		0	1.015591254	2.678567259
0					
AKR1CL1	AKR1CL1	10.54234182	1.015591254	20.53568232	
2.828262674					
RBM12B-AS1	RBM12B-AS1		49.19759517	55.85751897	
104.4641231	89.56165135				
PRORS1P	PRORS1P		38.65525334	51.79515396	
77.67845051	159.325464				
FLJ26850	FLJ26850		0	0	11.60712479
8.484788022					
LOC101926987	LOC101926987		18.74194102	16.24946006	
49.99992217	37.71016899				
SNORA8	SNORA8	24.59879758	13.2026863	27.67852834	
23.56885562					
LOC285626	LOC285626		9.370970508	12.18709505	0
1.885508449					

SDHAP2 SDHAP2	1794.540852	1432.999259	1581.247539
1594.197394			
SDHAP3 SDHAP3	58.56856567	49.76397145	114.2855364
150.840676			
DNM1P46 DNM1P46	80.82462063	13.2026863	51.78563368
43.36669434			
DEFB109P1	DEFB109P1	0	2.031182508
1.885508449			0
CETN4P CETN4P	28.11291152	10.15591254	30.3570956
33.93915209			
DANCR DANCR	995.6656164	1356.829915	907.1414451
784.371515			
ADAT2 ADAT2	906.6413966	745.4439805	407.1422234
512.8582982			
ZNF396 ZNF396	38.65525334	24.3741901	46.42849916
106.5312274			
PDIA4 PDIA4	16111.04105	18383.21729	15275.86908
14260.1004			
DDX12P DDX12P	1072.976123	591.0741099	474.9992606
515.6865609			
FAM66D FAM66D	14.05645576	14.21827756	34.82137437
43.36669434			
FAM66E FAM66E	0	1.015591254	0.892855753
FAM66B FAM66B	29.28428284	40.62365016	2.828262674
56.56525348			76.78559476
PITHD1 PITHD1	2374.369652	3027.477528	4060.707965
3184.623771			
TMEM229B	TMEM229B	412.3227023	375.768764
1330.355072	1073.797062		
C20orf196	C20orf196	768.4195816	795.2079519
563.3919802	709.8939312		
BPTF BPTF	2468.079357	1311.128309	1648.21172
2228.670987			
UAP1L1 UAP1L1	795.3611218	1158.789621	2066.068213
969.151343			
WDR53 WDR53	1053.062811	1493.934735	1323.212226
1226.523246			
TMED10 TMED10	13038.53409	14708.80813	16245.51043
16086.21534			
TMEM61 TMEM61	0	1.015591254	0
NEFL NEFL	5.856856567	32.49892013	7.542033798
225.3182597			424.9993384
UBALD2 UBALD2	1368.161694	401.1585454	225.8925055
233.8030477			
NRADDP NRADDP	2.342742627	5.07795627	0.892855753
0.942754225			
CROCCP3 CROCCP3	107.7661608	52.81074521	237.4996303
162.1537267			
RRN3P1 RRN3P1	335.0121956	54.84192772	177.6782949
390.300249			

ANKRD18DP	ANKRD18DP	7.028227881	10.15591254	
140.1783532	25.45436407			
EP400NL EP400NL	178.0484396	136.089228	142.8569205	
146.1269048				
MIR155 MIR155	285.8146005	253.8978135	681.2489396	
782.4860065				
LOC729603	LOC729603	38.65525334	34.53010264	
90.17843106	52.79423658			
HNRNPA3 HNRNPA3	6431.999882	5243.497645	4383.921747	
5746.087				
SCARNA17	SCARNA17	57.39719436	55.85751897	
389.2851083	259.2574118			
RRN3P2 RRN3P2	402.9517318	416.3924142	454.4635783	
402.556054				
DPY19L2P1	DPY19L2P1	0 0	0.892855753	0
RECQL4 RECQL4	5435.162894	4672.73536	2518.746079	
3284.555719				
PIN4P1 PIN4P1	146.4214142	63.98224901	10.71426904	
66.93554995				
LOC344967	LOC344967	134.707701	111.7150379	
77.67845051	74.47758375			
LOC100507377	LOC100507377	4.685485254	0 0	
13.19855915				
LINC00707	LINC00707	0 0	0.892855753	0
SCARNA12	SCARNA12	118.3085027	101.5591254	
163.3926028	152.7261844			
MIR223 MIR223	2.342742627	7.109138778	0 0	
MIR941-1	MIR941-1	0 0	0 1.885508449	
LINC00298	LINC00298	1.171371313	0 0	
1.885508449				
FLJ45079	FLJ45079	4.685485254	3.046773762	
8.035701777	5.656525348			
ZSCAN4 ZSCAN4	0 0	1.785711506	0	
CRIPAK CRIPAK	37.48388203	79.21611782	80.35701777	
71.64932108				
PDE12 PDE12	3955.720926	4546.802044	3455.351764	
3521.187029				
PIWIL4 PIWIL4	7.028227881	19.29623383	103.5712674	
28.28262674				
P4HTM P4HTM	1759.399713	2048.447559	1701.783065	
2043.891159				
TMEM37 TMEM37	0 4.062365016	0	0	
SLC25A16	SLC25A16	592.7138846	563.653146	
291.0709755	456.2930448			
LINC00574	LINC00574	1.171371313	6.093547524	0
0.942754225				
LOC101928580	LOC101928580	0 0	0 1.885508449	
LOC389906	LOC389906	335.0121956	762.7090318	
958.9270788	433.6669434			
LOC643201	LOC643201	1.171371313	0 11.60712479	

		1.885508449			
LINC00884	LINC00884		78.481878		124.9177242
39.28565313	53.73699081				
TUSC5	TUSC5	1.171371313	57.88870148	0	2.828262674
NMUR1	NMUR1	64.42542224	12.18709505	0	0
CTR9	CTR9	9273.746689	10347.85929		9814.270437
10243.02465					
POLH	POLH	4111.51331	4720.468149		3488.387427
2517.15378					
KIR2DL5A	KIR2DL5A		0	0	2.678567259
C19orf70	C19orf70		1696.145662		2247.503445
2394.63913	1829.88595				
C15orf52	C15orf52		0	0	2.678567259
9.427542247					
GPR153	GPR153	53.88308042	81.24730032		55.35705669
38.65292321					
KIAA1211L	KIAA1211L		32.79839678		54.84192772
54.46420093	32.99639787				
LINC00381	LINC00381		0	1.015591254	0
7.542033798					
NLRP12	NLRP12	0	1.015591254	0	0
DNAH11	DNAH11	870.3288859	1488.856778		639.2847192
494.945968					
SNORD46	SNORD46	23.42742627	22.34300759		56.24991244
16.96957604					
SNORD55	SNORD55	53.88308042	60.93547524		116.0712479
57.50800771					
SNORA68	SNORA68	29.28428284	55.85751897		43.7499319
36.76741476					
MFSD8	MFSD8	1226.425765	1108.010058		1448.212031
1512.177776					
CATSPERD	CATSPERD		5.856856567		2.031182508
8.92855753	4.713771124				
TMEM110	TMEM110	4400.842025	4463.523562		2544.638896
3413.713048					
LHFPL4	LHFPL4	16.39919839	14.21827756		58.03562395
28.28262674					
STK32C	STK32C	247.1593471	396.0805891		580.3562395
418.5828758					
OGFR-AS1	OGFR-AS1		7.028227881		10.15591254
18.74997081	24.51160984				
OSGEPL1-AS1	OSGEPL1-AS1		30.45565415		13.2026863
31.24995136	34.88190631				
CDC42P3	CDC42P3	0	3.046773762	0	1.885508449
LOC101409256	LOC101409256		2.342742627		1.015591254
		18.85508449			0
SHC2	SHC2	0	2.031182508	0	2.828262674
C2orf69	C2orf69	1507.55488	1314.175083		1133.033951
1716.755443					
SPATA24	SPATA24	209.6754651	241.7107185		150.8926223

98.04643937					
ZFP36L2	ZFP36L2	7412.437672	5450.67826	12117.83828	
11498.77328					
DAZAP1	DAZAP1	1174.885427	905.9073986	501.7849332	
971.0368515					
RAB15	RAB15	904.298654	690.6020528	768.7488034	
978.5788853					
LINC00506	LINC00506	1.171371313	0	0.892855753	
0					
LAMTOR5-AS1	LAMTOR5-AS1	45.68348122	34.53010264		
31.24995136	24.51160984				
LOC387810	LOC387810	0	0	10.71426904	
4.713771124					
TMIGD1	TMIGD1	1.171371313	0	0	
PGBD3	PGBD3	368.9819637	450.9225168	248.2138993	
431.7814349					
LINC00678	LINC00678	1.171371313	0	0	0
C16orf74	C16orf74	58.56856567	56.87311023		
22.32139383	44.30944856				
EFNB2	EFNB2	9.370970508	8.124730032	23.21424958	
13.19855915					
FABP3	FABP3	15.22782708	10.15591254	29.46423985	
25.45436407					
SSPO	SSPO	1.171371313	0	0	
DEGS2	DEGS2	3.51411394	2.031182508	24.99996108	
17.91233027					
ZNF728	ZNF728	0	0	0.892855753	0
LOC100506639	LOC100506639	226.0746635	209.2117983		
868.7486477	371.4451645				
LOC101928093	LOC101928093	0	2.031182508	0	0
XYLT1	XYLT1	667.6816487	416.3924142	432.1421845	
482.6901631					
EFTUD1P1	EFTUD1P1	7.028227881	12.18709505		0
1.885508449					
SH2D1B	SH2D1B	0	0	2.678567259	0
SLC5A8	SLC5A8	0	0	5.357134518	0
CCDC57	CCDC57	614.9699396	609.3547524	455.356434	
603.3627038					
MIR8075	MIR8075	0	1.015591254	0	0
MIR6882	MIR6882	19.91331233	24.3741901	11.60712479	
15.0840676					
MIR6881	MIR6881	0	0	0.942754225	
MIR6880	MIR6880	1.171371313	1.015591254	1.785711506	
1.885508449					
MIR6877	MIR6877	5.856856567	18.28064257	16.07140355	
6.599279573					
MIR6875	MIR6875	2.342742627	2.031182508	1.785711506	
1.885508449					
MIR6874	MIR6874	1.171371313	0	2.678567259	2.828262674
MIR8066	MIR8066	0	1.015591254	0	0

MIR6871	MIR6871	11.71371313	11.17150379	8.035701777	
33.93915209					
MIR6869	MIR6869	17.5705697	12.18709505	7.142846024	
7.542033798					
MIR6868	MIR6868	2.342742627	2.031182508	1.785711506	
2.828262674					
RAB39B	RAB39B	824.6454047	862.2369747	1351.78361	
1214.267441					
TMEM95	TMEM95	1.171371313	0	2.678567259	0
LOC100505625	LOC100505625		1.171371313	0	0
LOC101559451	LOC101559451		18.74194102	24.3741901	0
21.42853807	19.79783872				
HKR1	HKR1	754.3631259	839.8939671	1363.390735	
1607.395953					
ARL10	ARL10	81.99599194	64.99784026	57.14276819	
76.3630922					
RNF216-IT1	RNF216-IT1		8.199599194	7.109138778	
14.28569205	7.542033798				
GLUD1P3	GLUD1P3	193.2762667	161.4790094	185.7139966	
284.7117759					
SAPCD2	SAPCD2	2663.698367	2443.512557	433.927896	
766.4591847					
EIF2AK4	EIF2AK4	2222.091382	2028.135734	1822.318592	
2406.851536					
ZNF878	ZNF878	3.51411394	27.42096386	62.49990271	
39.59567744					
PLIN4	PLIN4	73.79639275	54.84192772	58.03562395	
61.27902461					
LRRC26	LRRC26	15.22782708	10.15591254	0	2.828262674
SLX4IP	SLX4IP	324.4698538	387.955859	220.535371	
352.59008					
ASB16-AS1	ASB16-AS1		727.4215857	678.4149577	
885.712907	962.5520634				
TAF1A-AS1	TAF1A-AS1		32.79839678	25.38978135	
88.39271955	42.42394011				
TP53TG3D	TP53TG3D		1.171371313	5.07795627	
8.92855753	20.74059294				
LOC101929372	LOC101929372		0	0	2.828262674
MIR5703	MIR5703	91.36696245	111.7150379	133.0355072	
104.6457189					
MIR5690	MIR5690	1.171371313	2.031182508	4.464278765	
10.37029647					
MIR5687	MIR5687	0	0.892855753	0	
MIR5685	MIR5685	2.342742627	0	0	0
MIR548AX	MIR548AX		0	0	0.942754225
C10orf115	C10orf115		1.171371313	0	0
STAG3L5P	STAG3L5P		316.2702546	236.6327622	0
452.6778668	454.4075363				
ST3GAL6-AS1	ST3GAL6-AS1		1.171371313	3.046773762	0
0					

MIR5587	MIR5587	1.171371313	1.015591254	0	0.942754225	
C3orf67	C3orf67	65.59679355	61.9510665		13.3928363	
		76.3630922				
KANK3	KANK3	325.6412251	487.4838019		246.4281878	
		233.8030477				
MMS22L	MMS22L	2273.631719	1682.834708		719.6417369	
		1133.190578				
KLHL6-AS1	KLHL6-AS1		19.91331233		3.046773762	
		8.035701777				
C16orf3	C16orf3	1.171371313	0	2.678567259	12.25580492	
KLHDC8B	KLHDC8B	63.25405093	74.13816155		245.5353321	
		148.0124133				
KLRG2	KLRG2	2.342742627	15.23386881		16.96425931	
		0.942754225				
SLC25A42	SLC25A42		1322.478213		1344.64282	
		1209.819545				
ALG1L9P	ALG1L9P	55.05445173	70.07579653		98.21413283	
		94.27542247				
DIAPH3-AS2	DIAPH3-AS2		3.51411394	0	0	
		0.942754225				
ANKRD20A19P	ANKRD20A19P		0	0	1.785711506	
		0.942754225				
CNKSR3	CNKSR3	0	6.093547524	20.53568232	0	
LRRRC74A	LRRRC74A	0	0	2.678567259	0	
NUDT18	NUDT18	719.2219865	800.2859082		701.7846219	
		560.9387637				
NARR	NARR	126.5081019	367.644034		313.3923693	
		131.9855915				
ZC3H6	ZC3H6	149.9355281	149.2919143		507.1420677	
		525.1141032				
MANEA-AS1	MANEA-AS1		79.65324932		38.59246765	
		84.82129654				
LINC00539	LINC00539		426.3791581		354.4413477	
		99.99984434				
FRY-AS1	FRY-AS1	9.370970508	13.2026863		32.14280711	
		23.56885562				
FT0-IT1	FT0-IT1	25.7701689	31.48332888		21.42853807	
		32.99639787				
MYCBP2-AS1	MYCBP2-AS1		111.2802748		50.7795627	
		154.4640453				
LOC100996385	LOC100996385		0	0	7.142846024	0
PRRT3-AS1	PRRT3-AS1		91.36696245		198.0402945	
		133.0355072				
ZNF598	ZNF598	1679.746464	989.1858814		932.1414062	
		864.5056241				
HS6ST2	HS6ST2	3.51411394	0	0	10.37029647	
CRYBG3	CRYBG3	946.4680213	1619.86805		799.105899	
		818.3106671				
HIF1A-AS1	HIF1A-AS1		1389.246378		1464.482588	
		2151.782365				
		2655.738651				

ITPKB-IT1	ITPKB-IT1	16.39919839	5.07795627		
12.49998054	30.16813519				
OXCT1-AS1	OXCT1-AS1	637.2259945	879.502026		
421.4279154	486.46118				
ZNF350-AS1	ZNF350-AS1	8.199599194	2.031182508		0
	10.37029647				
NPTN-IT1	NPTN-IT1	42.16936728	20.31182508		
51.78563368	66.93554995				
SGOL1-AS1	SGOL1-AS1	802.3893497	999.341794		
262.4995914	415.7546131				
LOC101241902	LOC101241902	0	5.07795627		1.785711506
	7.542033798				
LINC00398	LINC00398	7.028227881	1.015591254		
8.035701777	1.885508449				
RNF219-AS1	RNF219-AS1	1076.490237	1026.762758		
1405.354955	1376.421168				
HM13-AS1	HM13-AS1	30.45565415	12.18709505		
17.85711506	37.71016899				
MRPL21 MRPL21	2318.143829	2844.671103	1785.711506		
1865.710611					
ACKR3 ACKR3	67.93953618	113.7462205	126.7855169		
98.04643937					
SMG8 SMG8	2818.31938	3354.497912	3008.923888		
2808.464835					
LOC101927575	LOC101927575	1.171371313	0		4.464278765
	3.771016899				
EMC3-AS1	EMC3-AS1	255.3589463	226.4768497		
95.53556557	188.5508449				
ADAMTSL4-AS1	ADAMTSL4-AS1	77.31050669	41.63924142		
80.35701777	62.22177883				
LINC00545	LINC00545	0	0		3.771016899
INTS6-AS1	INTS6-AS1	210.8468364	89.37203036		
158.0354683	250.7726238				
LINC00540	LINC00540	96.0524477	104.6058992		
247.3210436	491.1749511				
LOC101805491	LOC101805491	0	0		2.678567259
0.942754225					
LOC102546226	LOC102546226	0	1.015591254		0
YWHAEP1 YWHAEP1	1.171371313	0	0		1.885508449
LINC01271	LINC01271	2.342742627	22.34300759		0
	0				
LINC01431	LINC01431	9.370970508	6.093547524		
16.07140355	16.96957604				
CCL3L1 CCL3L1	29.28428284	18.28064257	174.1068718		
68.8210584					
PACS1 PACS1	5378.937071	3448.947899	4259.814798		
4610.068159					
LOC100101148	LOC100101148	30.45565415	41.63924142		
66.07132572	56.56525348				
NUDT4P2 NUDT4P2	4065.829829	4801.715449	4062.493676		

3905.830753					
TVP23B TVP23B	1589.550872	2480.073842	3802.672652		
2736.815514					
ZNF253 ZNF253	566.9437157	712.9450603	1637.497451		
1298.172567					
KRTAP5-8	KRTAP5-8	0	0	1.785711506	0
MEX3B MEX3B	2.342742627	6.093547524	0.892855753		
7.542033798					
ANKRD61 ANKRD61	24.59879758	25.38978135	22.32139383		
37.71016899					
LOC441155	LOC441155	11.71371313	3.046773762		
12.49998054	16.02682182				
DGCR6 DGCR6	77.31050669	75.1537528	369.6422818		
302.6241061					
MST1L MST1L	4.685485254	0	16.07140355	5.656525348	
SLC36A2 SLC36A2	0	0	4.464278765	0	
DDX51 DDX51	1955.018722	2394.764177	2488.388984		
2031.635354					
AAMDC AAMDC	377.1815629	554.5128247	362.4994357		
377.1016899					
PFN4 PFN4	3.51411394	1.015591254	12.49998054		
15.0840676					
XRCC2 XRCC2	1266.25239	611.3859349	399.1065216		
495.8887222					
MTDH MTDH	6402.715599	7001.486105	7288.381512		
6733.150673					
LOC220729	LOC220729	761.3913537	676.3837752		
566.9634032	709.8939312				
LOC101927204	LOC101927204	331.4980817	309.7553325		
374.1065605	421.4111384				
LOC101927501	LOC101927501	2.342742627	9.140321286		
11.60712479	9.427542247				
LINC01280	LINC01280	0	0	0.892855753	0
LOC101928259	LOC101928259	1.171371313	0	2.678567259	
0					
LINC01473	LINC01473	2.342742627	5.07795627		
21.42853807	13.19855915				
LOC101929241	LOC101929241	73.79639275	75.1537528		
136.6069302	177.2377942				
NUTM2B NUTM2B	1.171371313	0	8.92855753	1.885508449	
MIR6780A	MIR6780A	2.342742627	1.015591254		
4.464278765	1.885508449				
MIR6779 MIR6779	30.45565415	24.3741901	8.92855753		
10.37029647					
MIR6778 MIR6778	21.08468364	29.45214637	14.28569205		
8.484788022					
MIR6777 MIR6777	4.685485254	2.031182508	10.71426904		
5.656525348					
MIR6776 MIR6776	2.342742627	5.07795627	5.357134518		
2.828262674					

MIR6775	MIR6775	50.36896648	29.45214637	41.96422039	
44.30944856					
MIR6774	MIR6774	1.171371313	5.07795627	19.64282657	
9.427542247					
MIR7846	MIR7846	1536.839163	2419.138367	516.0706253	
709.8939312					
MIR6830	MIR6830	0	0	0.942754225	
LOC728323	LOC728323		124.1653592	92.41880412	
218.7496595	230.9747851				
FUT1	FUT1	0	6.093547524	50.89277792	91.4471598
NCK1-AS1	NCK1-AS1		405.2944745	389.9870416	
180.3568621	329.0212244				
AIM1	AIM1	4013.11812	3610.426908	5133.92058	
5587.70429					
C1orf189	C1orf189		4.685485254	4.062365016	
28.5713841	6.599279573				
GTPBP1	GTPBP1	4787.394558	4519.381081	6014.276352	
4530.876804					
C12orf40	C12orf40		7.028227881	3.046773762	
17.85711506	7.542033798				
ACER2	ACER2	25.7701689	52.81074521	126.7855169	
39.59567744					
ZNF391	ZNF391	40.99799597	23.35859884	60.71419121	
77.30584643					
CHKB-CPT1B	CHKB-CPT1B		4765.138503	2116.492173	
3570.530156	4175.458461				
LOC149373	LOC149373		0	0	0.942754225
GBP7	GBP7	2.342742627	34.53010264	126.7855169	
1.885508449					
TEX43	TEX43	0	2.031182508	0	
TMEM41A	TMEM41A	1153.800744	1523.386881	1089.284019	
1250.092102					
GFM1	GFM1	5578.070195	7493.032272	6333.918712	
6795.372452					
MARK2P9	MARK2P9	1.171371313	3.046773762	5.357134518	0
NTRK3-AS1	NTRK3-AS1		2.342742627	0	0
FBXL14	FBXL14	1738.315029	2328.750746	2341.067784	0
2051.433193					
AMDHD1	AMDHD1	10.54234182	14.21827756	87.4998638	
41.48118589					
BANCR	BANCR	4.685485254	0	0.942754225	
LOC100506606	LOC100506606		159.3064986	230.5392147	
164.2854586	147.0696591				
FRG2	FRG2	2.342742627	0	0	0
MAGOH2	MAGOH2	0	1.015591254	0	0.942754225
AKAP10	AKAP10	2807.777038	2631.396939	3234.816393	
3112.031696					
PRSS46	PRSS46	1.171371313	0	0	0
FAM83C	FAM83C	1.171371313	1.015591254	0	0
DNAAF1	DNAAF1	50.36896648	18.28064257	23.21424958	

24.51160984					
3-Mar	3-Mar	448.6352131	636.7757163	648.2132767	
565.6525348					
NAT8L	NAT8L	2.342742627	1.015591254	0	2.828262674
HSP90B2P	HSP90B2P		15.22782708	19.29623383	
23.21424958	23.56885562				
VNN1	VNN1	0	29.46423985	0	
KCNU1	KCNU1	0	3.571423012	5.656525348	
LINC00618	LINC00618		1.171371313	9.140321286	
11.60712479	1.885508449				
AARD	AARD	52.71170911	36.56128515	0	4.713771124
CHRN2	CHRN2	5.856856567	0	3.571423012	12.25580492
LOC101929340	LOC101929340		5.856856567	2.031182508	0
	10.37029647				
ZNF827	ZNF827	245.9879758	160.4634181	573.2133934	
382.7582152					
LOC339539	LOC339539		2.342742627	2.031182508	0
	6.599279573				
LOC388780	LOC388780		3.51411394	6.093547524	
11.60712479	1.885508449				
IL21-AS1	IL21-AS1		228.4174061	49.76397145	
94.64270982	444.0372398				
LINC01100	LINC01100		4.685485254	1.015591254	0
	0				
LINC01057	LINC01057		8.199599194	0	0
0.942754225					
NBPF25P	NBPF25P	849.2442023	774.8961268	1708.925911	
959.7238008					
ARMC2-AS1	ARMC2-AS1		3.51411394	4.062365016	
1.785711506	0.942754225				
NPC2	NPC2	1588.379501	1519.324516	3406.244698	
2317.289884					
AHCTF1P1	AHCTF1P1		40.99799597	24.3741901	
31.24995136	23.56885562				
TRIM49B	TRIM49B	0	0.892855753	0	
FAM87B	FAM87B	24.59879758	32.49892013	43.7499319	
32.99639787					
LINC00337	LINC00337		53.88308042	46.71719769	
29.46423985	43.36669434				
ZNF433	ZNF433	78.481878	59.91988399	201.7854002	
309.2233857					
IRAK1BP1	IRAK1BP1		213.1895791	135.0736368	
118.7498152	185.7225823				
GBP3	GBP3	1095.232178	896.7670773	1991.961185	
1487.666167					
LGR4	LGR4	14.05645576	14.21827756	44.64278765	
5.656525348					
ADI1	ADI1	6544.451528	7226.947364	4830.349624	
4861.783537					
WDR41	WDR41	1417.359289	1403.547113	1334.819351	

1257.634136				
DISC1FP1	DISC1FP1	2.342742627	1.015591254	
8.92855753	3.771016899			
LOC100506688	LOC100506688	304.5565415	529.1230434	
47.32135491	48.08046546			
LOC100996447	LOC100996447	91.36696245	25.38978135	
41.96422039	38.65292321			
LOC103021295	LOC103021295	2076.841339	1467.529362	
1114.28398	1659.247436			
RALGAPA1P	RALGAPA1P	1622.349269	1407.609478	
1700.89021	1656.419173			
H0XC-AS2	H0XC-AS2	0	0	0.942754225
RPL24 RPL24	7209.790434	7243.196824	8154.451592	
7834.287607				
LOC101927623	LOC101927623	0	3.046773762	0
2.828262674				
LOC440311	LOC440311	4.685485254	1.015591254	
2.678567259	0			
SRGAP2-AS1	SRGAP2-AS1	2.342742627	4.062365016	
1.785711506	9.427542247			
LOC102288414	LOC102288414	4441.840021	5739.106177	
3668.744289	3490.07614			
CPTP CPTP	1574.323045	2016.964231	1122.319682	
864.5056241				
PLEKHG1 PLEKHG1	208.5040938	79.21611782	58.9284797	
491.1749511				
LOC102467217	LOC102467217	0	0	0.892855753
RPA1 RPA1	15060.32098	18249.15924	12957.12269	0
12247.32013				
DCUN1D3 DCUN1D3	182.7339249	222.4144846	263.3924471	
187.6080907				
TRIL TRIL	23.42742627	1.015591254	2.678567259	
19.79783872				
MIR6890 MIR6890	10.54234182	12.18709505	14.28569205	
16.02682182				
MIR7703 MIR7703	6371.088574	9174.851389	7643.738102	
7145.134269				
PYCARD0S	PYCARD0S	988.6373886	1760.019643	
299.1066773	461.9495701			
TAS2R42 TAS2R42	0	0	0.942754225	
LINC01205	LINC01205	0	0	1.785711506
1.885508449				
LOC100507642	LOC100507642	60.9113083	64.99784026	
115.1783921	125.3863119			
CD81-AS1	CD81-AS1	317.4416259	656.0719501	
437.499319	139.5276253			
LOC102467073	LOC102467073	18.74194102	16.24946006	
16.96425931	16.96957604			
LOC101928370	LOC101928370	559.9154878	776.9273093	
345.5351764	425.1821553			

LOC101929681	LOC101929681	0	0	0	0.942754225
ZNF852	ZNF852	135.8790724	122.8865417	274.1067162	
247.9443611					
FLJ31356	FLJ31356	0	1.015591254	0	0
LOC100287098	LOC100287098	194.6425542	521.2602345	401.1585454	
263.9711829					
LOC101929154	LOC101929154	0	0	0.892855753	0
MIR6719	MIR6719	2.342742627	1.015591254	16.07140355	
4.713771124					
TMEM183B	TMEM183B	3676.779991	3669.906325	4852.495012	
3417.484065					
CCNK	CCNK	662.9961634	512.8735833	681.2489396	
667.4699911					
LOC101593348	LOC101593348	20.53568232	15.22782708	19.29623383	
4.713771124					
MIR6069	MIR6069	0	0	0.942754225	
MIR1199	MIR1199	1.171371313	2.031182508	4.464278765	
4.713771124					
LOC101926905	LOC101926905	1.171371313	1.171371313	0	0
ACTG1P4	ACTG1P4	5.856856567	0	0	1.885508449
LINC00850	LINC00850	0	0	0.892855753	0
MIR6755	MIR6755	26.94154021	6.093547524	12.49998054	
16.02682182					
MIR6754	MIR6754	5.856856567	8.124730032	12.49998054	
2.828262674					
MIR6753	MIR6753	32.79839678	42.65483267	32.14280711	
35.82466054					
MIR6741	MIR6741	21.08468364	7.109138778	24.99996108	
22.62610139					
NEXN-AS1	NEXN-AS1	0	0	0	9.427542247
MIR6084	MIR6084	50.36896648	90.38762161	302.6781003	
147.0696591					
MIR6080	MIR6080	1.171371313	2.031182508	1.785711506	
4.713771124					
MIR6739	MIR6739	8.199599194	6.093547524	4.464278765	
10.37029647					
MIR6748	MIR6748	35.1411394	39.60805891	54.46420093	
56.56525348					
MIR6738	MIR6738	3.51411394	1.015591254	1.785711506	
1.885508449					
MIR6747	MIR6747	87.85284851	90.38762161	86.60700804	
82.96237177					
MIR6737	MIR6737	5.856856567	11.17150379	5.357134518	
7.542033798					
MIR6746	MIR6746	0	0	3.571423012	1.885508449
MIR6736	MIR6736	0	4.062365016	3.571423012	0.942754225
MIR6735	MIR6735	0	0	2.828262674	
MIR6734	MIR6734	10.54234182	3.046773762	10.71426904	
10.37029647					
MESP2	MESP2	2.342742627	10.15591254	11.60712479	0

MIR6743	MIR6743	9.370970508	12.18709505	27.67852834
		13.19855915		
MIR6733	MIR6733	32.79839678	38.59246765	58.03562395
		57.50800771		
MIR6731	MIR6731	16.39919839	38.59246765	32.14280711
		23.56885562		
MIR6732	MIR6732	16.39919839	21.32741634	40.17850889
		23.56885562		
MIR6742	MIR6742	8.199599194	6.093547524	5.357134518
		12.25580492		
MIR6729	MIR6729	4.685485254	1.015591254	2.678567259
		2.828262674		
MIR6728	MIR6728	203.8186085	382.8779028	139.2854975
		219.6617344		
MIR6727	MIR6727	17.5705697	16.24946006	16.07140355
		16.02682182		
MIR6726	MIR6726	0	1.015591254	1.785711506
				0.942754225
MIR6723	MIR6723	2.342742627	1.015591254	0.892855753
		2.828262674		
IP05P1	IP05P1	365.4678498	214.2897546	366.0708587
		358.2466054		
FSBP	FSBP	241.3024906	196.009112	317.8566481
		221.5472428		
MIR6751	MIR6751	5.856856567	1.015591254	1.785711506
		0.942754225		
MIR6752	MIR6752	30.45565415	57.88870148	34.82137437
		51.85148236		
MIR6740	MIR6740	1.171371313	10.15591254	5.357134518
		2.828262674		
MIR6750	MIR6750	2.342742627	0	0
				3.771016899
C9orf85	C9orf85	446.2924704	414.3612317	350.8923109
		378.0444441		
MYLK3	MYLK3	4.685485254	2.031182508	0
				8.484788022
CASC17	CASC17	0	0	0
				1.785711506
MIR6808	MIR6808	0	1.015591254	1.785711506
				0
MIR6807	MIR6807	53.88308042	48.74838019	68.74989298
		50.90872813		
MIR6806	MIR6806	1.171371313	0	0.892855753
				0
MIR6805	MIR6805	12.88508445	6.093547524	12.49998054
		10.37029647		
C2orf91	C2orf91	0	0	0.892855753
				0
MIR6826	MIR6826	32.79839678	84.29407409	41.96422039
		32.99639787		
MIR6825	MIR6825	29.28428284	52.81074521	58.03562395
		32.99639787		
MIR6821	MIR6821	108.9375322	184.8376082	144.642632
		107.4739816		
MIR6820	MIR6820	5.856856567	11.17150379	21.42853807
		45.25220279		
MIR6819	MIR6819	62.08267961	41.63924142	30.3570956

28.28262674					
MIR6818	MIR6818	0	0	2.678567259	0
MIR6817	MIR6817	12.88508445		22.34300759	20.53568232
7.542033798					
MIR6816	MIR6816	12.88508445		5.07795627	17.85711506
8.484788022					
MIR6815	MIR6815	1.171371313		0	1.785711506
MIR6813	MIR6813	5.856856567		11.17150379	0
MIR6812	MIR6812	3.51411394		1.015591254	0
MIR6810	MIR6810	0	0	3.571423012	0
GOLGA80	GOLGA80	3.51411394		0	0
TMEM255B	TMEM255B			1.171371313	0
4.713771124					
SMARCA5-AS1	SMARCA5-AS1			1251.024563	1337.533682
1304.462255		1139.789858			
CYTH3	CYTH3	118.3085027		52.81074521	662.4989687
571.3090602					
C1orf233	C1orf233			80.82462063	155.3854619
106.2498346		164.0392351			
POT1	POT1	2.342742627		1.015591254	0.892855753
RDH12	RDH12	2.342742627		8.124730032	1.785711506
10.37029647					
MIR6850	MIR6850	86.6814772		98.51235164	89.2855753
95.2181767					
MIR7856	MIR7856	0	0	0	2.828262674
MIR7855	MIR7855	0	0	0	0.942754225
LOC101929680	LOC101929680			8.199599194	3.046773762
0.892855753		2.828262674			
CD38	CD38	7169.96381		9176.882572	1635.71174
2091.971625					
NMI	NMI	3569.168392		3749.56291	5033.920736
4441.315153					
MIR6842	MIR6842	16.39919839		19.29623383	23.21424958
16.96957604					
LINC01215	LINC01215			104.2520469	69.06020528
166.9640258		111.2449985			
MIR6851	MIR6851	4.685485254		3.046773762	4.464278765
4.713771124					
MIR6849	MIR6849	26.94154021		25.38978135	6.249990271
25.45436407					
MIR6839	MIR6839	4.685485254		1.015591254	0
MIR6848	MIR6848	126.5081019		153.3542794	178.5711506
177.2377942					
ERI3-IT1	ERI3-IT1			18.74194102	34.53010264
30.3570956		15.0840676			
MIR6836	MIR6836	3.51411394		9.140321286	4.464278765
9.427542247					
MIR6837	MIR6837	45.68348122		67.02902277	35.71423012
32.05364364					
MIR6862-1	MIR6862-1			0	4.062365016
					5.357134518

7.542033798				
MIR8055	MIR8055	8.199599194	5.07795627	10.71426904
0.942754225				
MIR6769B	MIR6769B		7.028227881	16.24946006
7.142846024	8.484788022			
HIST1H2BF	HIST1H2BF		590.371142	143.1983668
60.71419121	58.45076193			
MIR8071-1	MIR8071-1		0	0.942754225
MIR6878	MIR6878	5.856856567	7.109138778	15.1785478
12.25580492				
MIR6879	MIR6879	14.05645576	23.35859884	34.82137437
30.16813519				
MIR8072	MIR8072	139.3931863	219.3677109	212.4996692
115.9587696				
MIR6866	MIR6866	12.88508445	32.49892013	24.10710533
21.68334717				
TTLL13	TTLL13	14.05645576	44.68601518	36.60708587
55.62249926				
LOC101928682	LOC101928682		2.342742627	2.031182508
1.785711506	1.885508449			
LOC102467146	LOC102467146		18.74194102	23.35859884
20.74059294				0
ABHD5	ABHD5	1200.655596	1280.660571	637.4990077
811.7113875				
OPLAH	OPLAH	32.79839678	90.38762161	93.74985407
104.6457189				
MIR7107	MIR7107	48.02622385	14.21827756	2.678567259
11.3130507				
MIR7106	MIR7106	3.51411394	2.031182508	9.821413283
2.828262674				
PARGP1	PARGP1	263.5585455	254.9134048	261.6067356
273.3987252				
MRPL45	MRPL45	2702.35362	3299.655984	2275.889314
2346.515265				
MIR6862-2	MIR6862-2		0	4.062365016
5.357134518				
7.542033798				
MIR7108	MIR7108	5.856856567	9.140321286	1.785711506
1.885508449				
MIR7112	MIR7112	8.199599194	8.124730032	6.249990271
13.19855915				
MIR8071-2	MIR8071-2		0	0.942754225
LINC01436	LINC01436		0	3.046773762
6.249990271				
0				
LINC01208	LINC01208		0	0
LINC00867	LINC00867		0	0
2.828262674				3.771016899
MIR6859-2	MIR6859-2		11.71371313	1.015591254
8.92855753	8.484788022			
MIR7114	MIR7114	2.342742627	0	0.892855753
0				0
LOC644919	LOC644919		0	3.571423012
2.828262674				

LOC101927100	LOC101927100	55.05445173	63.98224901
58.03562395	45.25220279		
VIM-AS1 VIM-AS1	8942.248607	13660.71796	6260.70454
5198.346795			
RNF139-AS1	RNF139-AS1	36.31251072	21.32741634
98.21413283	66.93554995		
HERC2P4 HERC2P4	7.028227881	15.23386881	42.85707615
4.713771124			
DNAJB5-AS1	DNAJB5-AS1	0	2.031182508 0 0
LINC01103	LINC01103	0	1.015591254 0 0
B4GALT1-AS1	B4GALT1-AS1	180.3911823	100.5435342
135.7140745	202.6921583		
FAM83C-AS1	FAM83C-AS1	4.685485254	7.109138778
2.678567259	0		
LPP-AS1 LPP-AS1	1.171371313	0 0	0.942754225
IL12A-AS1	IL12A-AS1	62.08267961	51.79515396
5.357134518	20.74059294		
LOC102606465	LOC102606465	585.6856567	710.9138778
484.8206739	524.1713489		
CLYBL-AS2	CLYBL-AS2	1.171371313	0 0 0
LOC102467147	LOC102467147	8.199599194	4.062365016
4.464278765	9.427542247		
LOC101928438	LOC101928438	0 0	3.571423012 0
LOC102467081	LOC102467081	22.25605496	0 12.49998054
	18.85508449		
LOC102467080	LOC102467080	0	1.015591254 0 0
LOC100506985	LOC100506985	288.1573431	158.4322356
396.4279543	461.9495701		
LOC100505942	LOC100505942	3.51411394	0 4.464278765
	6.599279573		
ITPR1-AS1	ITPR1-AS1	1.171371313	9.140321286
31.24995136	22.62610139		
LINC01279	LINC01279	3.51411394	2.031182508
10.71426904	10.37029647		
SYP-AS1 SYP-AS1	9.370970508	2.031182508	14.28569205
4.713771124			
MIR6858 MIR6858	1.171371313	2.031182508	4.464278765
0.942754225			
MIR6857 MIR6857	7.028227881	9.140321286	7.142846024
5.656525348			
LOC101926911	LOC101926911	11.71371313	11.17150379
25.89281684	4.713771124		
MIR6885 MIR6885	1.171371313	4.062365016	6.249990271
1.885508449			
CCDC78 CCDC78	22.25605496	18.28064257	25.89281684
48.08046546			
MIR6759 MIR6759	24.59879758	18.28064257	19.64282657
21.68334717			
MIR6758 MIR6758	64.42542224	86.32525659	164.2854586
121.615295			

MIR6757	MIR6757	0	0	0.892855753	0		
MIR6768	MIR6768	2.342742627		1.015591254	0	0	
MIR6767	MIR6767	36.31251072		31.48332888		13.3928363	
		11.3130507					
MIR6766	MIR6766	8.199599194		4.062365016		4.464278765	
		1.885508449					
MIR6838	MIR6838	18.74194102		14.21827756		74.99988325	
		55.62249926					
MIR6847	MIR6847	11.71371313		22.34300759		28.5713841	
		26.39711829					
LINC01212	LINC01212			0	0	5.357134518	0
LOC101060091	LOC101060091			96.0524477		131.0112718	
		92.85699832					
		93.33266825					
C6orf7	C6orf7	0	0	0	2.828262674		
LOC101927914	LOC101927914			0	0	6.249990271	0
MIR6770-2	MIR6770-2			0	0	1.785711506	
		0.942754225					
LOC101929653	LOC101929653			0	0	4.464278765	0
LOC101929295	LOC101929295			23.42742627		12.18709505	
		58.9284797					
		31.11088942					
LOC100129203	LOC100129203			111.2802748		110.6994467	
		238.3924861					
		221.5472428					
PANDAR	PANDAR	2.342742627		2.031182508		0	0
RASSF1-AS1	RASSF1-AS1			331.4980817		376.7843553	
		170.5354488					
		241.3450815					
LOC101927379	LOC101927379			0	0	1.785711506	0
LINC01176	LINC01176			3.51411394		3.046773762	
		25.89281684					
		15.0840676					
LOC101926943	LOC101926943			2558.274949		3283.406524	
		2267.853613					
		2118.368743					
LOC100506860	LOC100506860			45.68348122		83.27848283	
		108.9284019					
		98.9891936					
LOC100147773	LOC100147773			22.25605496		30.46773762	
		70.53560449					
		19.79783872					
TNKS2-AS1	TNKS2-AS1			24.59879758		17.26505132	
		44.64278765					
HP09025	HP09025	0	0	1.785711506		0	
MIR7109	MIR7109	219.0464356		307.72415		374.9994163	
		312.9944026					
MIR7111	MIR7111	67.93953618		64.99784026		95.53556557	
		93.33266825					
TDRG1	TDRG1	4.685485254		1.015591254		20.53568232	
		11.3130507					
CSNK2A3	CSNK2A3	17.5705697		30.46773762		10.71426904	
		16.02682182					
SRCIN1	SRCIN1	2.342742627		1.015591254		0	0
HLX-AS1	HLX-AS1	1.171371313		0	0.892855753	0	
CTB-113P19.1	CTB-113P19.1			0	0	3.571423012	0
LOC101929657	LOC101929657			11.71371313		7.109138778	
		2.678567259					
		20.74059294					

USP12-AS2	USP12-AS2	1.171371313	10.15591254		
1.785711506	0				
LOC101929608	LOC101929608	4.685485254	28.43655511		
75.89273901	50.90872813				
LOC101928020	LOC101928020	16.39919839	9.140321286		
58.03562395	28.28262674				
MIR6886 MIR6886	5.856856567	4.062365016	3.571423012		
7.542033798					
LOC101929526	LOC101929526	1.171371313	0	0	
2.828262674					
LOC101927797	LOC101927797	0	0	0.892855753	0
CTB-1202.1	CTB-1202.1	0	1.015591254	0	
0.942754225					
LOC101927735	LOC101927735	0	0	1.785711506	0
ANKRD44-IT1	ANKRD44-IT1	51.54033779	37.5768764		
56.24991244	61.27902461				
DARS-AS1	DARS-AS1	603.2562264	706.8515128		
726.784583	751.3751171				
LOC101927257	LOC101927257	17.5705697	8.124730032		
13.3928363	12.25580492				
LOC101927869	LOC101927869	0	0	0	0.942754225
LOC101927631	LOC101927631	45.68348122	63.98224901		
66.07132572	57.50800771				
LOC101927770	LOC101927770	5.856856567	1.015591254		
4.464278765	10.37029647				
LOC101927418	LOC101927418	1.171371313	0	0	
1.885508449					
LINC01234	LINC01234	1.171371313	0	0	0
LOC101928435	LOC101928435	1.171371313	0	0	0
METRNL METRNL	58.56856567	19.29623383	95.53556557		
133.8710999					
LOC100996579	LOC100996579	128.8508445	110.6994467		
61.60704696	48.08046546				
LOC100505921	LOC100505921	30.45565415	40.62365016		
33.92851862	45.25220279				
LOC101927630	LOC101927630	0	2.031182508	0	0
CTC-436P18.1	CTC-436P18.1	378.3529342	498.6553057		
398.2136659	428.010418				
SUCLG2-AS1	SUCLG2-AS1	89.02421982	100.5435342		
148.214055	89.56165135				
ALMS1-IT1	ALMS1-IT1	9.370970508	5.07795627		
2.678567259	0				
LOC101927668	LOC101927668	11.71371313	7.109138778		0
6.599279573					
DPYD-AS2	DPYD-AS2	5.856856567	0	3.571423012	
6.599279573					
KCNC4-AS1	KCNC4-AS1	11.71371313	0	0.892855753	
1.885508449					
LOC101928767	LOC101928767	51.54033779	58.90429273		
88.39271955	93.33266825				

LOC101929607	LOC101929607	0	0	0.892855753	
0.942754225					
USP32P2	USP32P2	0	3.046773762	13.3928363	0
TRPM2-AS	TRPM2-AS	0	10.15591254	0	0
LOC101929591	LOC101929591	5.856856567		1.015591254	
5.357134518	0				
CTC-338M12.4	CTC-338M12.4	172.1915831		114.7618117	
166.0711701	179.1233027				
LOC101929319	LOC101929319	0	0	19.64282657	
0.942754225					
LOC101929452	LOC101929452	0	0	1.785711506	
6.599279573					
LOC101927021	LOC101927021	549.373146		432.6418742	
383.9279738	423.2966469				
LOC101927045	LOC101927045	237.7883766		234.6015797	
222.3210825	234.745802				
LOC101928002	LOC101928002	0	2.031182508	1.785711506	
5.656525348					
ADNP-AS1	ADNP-AS1	43.3407386		58.90429273	
61.60704696	49.02321969				
IL7R	IL7R	2271.288977	916.0633112	14758.9056	
18119.7362					
FBX033	FBX033	2396.625707	2225.160438	2059.818222	
2127.796285					
ARNTL2-AS1	ARNTL2-AS1	258.8730603		475.2967069	
104.4641231	130.100083				
LOC101927391	LOC101927391	4.685485254		7.109138778	
63.39275847	23.56885562				
ZBTB46-AS1	ZBTB46-AS1	0	0	2.678567259	
3.771016899					
LINC00211	LINC00211	0	0	0	0.942754225
LOC101927497	LOC101927497	91.36696245		66.01343151	
58.9284797	58.45076193				
LOC101926928	LOC101926928	0	0	0	1.885508449
LOC101928731	LOC101928731	1.171371313		3.046773762	
0.892855753	0.942754225				
LOC101927550	LOC101927550	212.0182077		202.1026596	
240.1781976	214.9479632				
DCTPP1	DCTPP1	6215.296189	8824.472406	4806.242519	
5199.289549					
RP9	RP9	475.5767533	658.1031326	808.0344565	
697.6381263					
LOC100996654	LOC100996654	3.51411394		18.28064257	
11.60712479	2.828262674				
LOC101927243	LOC101927243	1.171371313		5.07795627	
10.71426904	6.599279573				
LOC101928283	LOC101928283	0	0	0.892855753	0
LOC101927053	LOC101927053	0	0	24.99996108	
50.90872813					
LINC01267	LINC01267	0	0	0	2.828262674

LOC101928909	LOC101928909	10.54234182	15.23386881	
16.07140355	20.74059294			
LOC101927795	LOC101927795	1047.205954	1136.446613	
978.5699053	1000.262232			
RPRM RPRM	0 1.015591254	36.60708587	0	
GLT1D1 GLT1D1	235.445634	124.9177242	18.74997081	
36.76741476				
LOC101927746	LOC101927746	46.85485254	71.09138778	
41.96422039	27.33987252			
UBXN10-AS1	UBXN10-AS1	53.88308042	54.84192772	
27.67852834	70.70656685			
LOC101929010	LOC101929010	208.5040938	120.8553592	
152.6783338	252.6581322			
LOC101927811	LOC101927811	25.7701689	42.65483267	0
0.942754225				
RRP7A RRP7A	10525.94262	11782.88973	7345.52428	
10857.70041				
DEPDC1-AS1	DEPDC1-AS1	7.028227881	12.18709505	0
14.14131337				
LOC101927865	LOC101927865	2.342742627	6.093547524	
7.142846024	0			
ST3GAL5-AS1	ST3GAL5-AS1	0 6.093547524	23.21424958	
1.885508449				
LOC101928495	LOC101928495	0 0	0.892855753	0
SNORD43 SNORD43	2.342742627	11.17150379	10.71426904	
12.25580492				
SNORD54 SNORD54	8.199599194	10.15591254	52.67848943	
21.68334717				
SNORA33 SNORA33	21.08468364	9.140321286	16.96425931	
23.56885562				
LINC01273	LINC01273	0 0	0.892855753	0
ZCCHC14 ZCCHC14	58.56856567	60.93547524	273.2138604	
215.8907175				
RFTN1 RFTN1	7711.137357	8786.89553	6849.989337	
6161.841613				
TET3 TET3	309.2420268	132.026863	330.3566286	
214.005209				
ERICH3 ERICH3	0 1.015591254	0.892855753	0	
SCAMP1-AS1	SCAMP1-AS1	303.3851702	241.7107185	
378.5708393	480.8046546			
PLS3-AS1	PLS3-AS1	8.199599194	0 0	0
LINC01284	LINC01284	0 0	3.571423012	0
RASL10B RASL10B	2.342742627	0 0	5.656525348	
SUZ12 SUZ12	5814.6872	2904.590987	2638.38875	
3063.008476				
SBF1P1 SBF1P1	1.171371313	0 0	0	
TMED10P1	TMED10P1	57.39719436	42.65483267	
132.1426514	141.4131337			
VWF VWF	10.54234182	2.031182508	0 0	
MGC16142	MGC16142	48.02622385	22.34300759	

100.8927001	47.13771124				
ZNF766 ZNF766	1892.936043	2057.587881	4992.849371		
4248.050537					
GRHL1 GRHL1	163.9919839	110.6994467	135.7140745		
84.84788022					
OR2AE1 OR2AE1	0 3.046773762	0	0		
FAM109B FAM109B	133.5363297	161.4790094	216.0710922		
195.1501245					
PPP1R27 PPP1R27	1.171371313	6.093547524	1.785711506	0	
NKAPL NKAPL	2.342742627	14.21827756	57.14276819		
21.68334717					
CDRT15 CDRT15	3.51411394	12.18709505	7.142846024		
1.885508449					
F8A3 F8A3	607.9417117	680.4461402	740.1774193		
877.7041832					
IGIP IGIP	19.91331233	8.124730032	32.14280711		
45.25220279					
C8orf48 C8orf48	1.171371313	0 0	2.828262674		
ITGA11 ITGA11	0 5.07795627	0	0		
FAM227A FAM227A	7.028227881	9.140321286	7.142846024		
1.885508449					
LKAAEAR1 LKAAEAR1	0 5.07795627	7.142846024			
5.656525348					
TMEM220 TMEM220	26.94154021	25.38978135	215.1782365		
171.5812689					
KRTAP5-1 KRTAP5-1	0 0	0	2.828262674		
OR2A7 OR2A7	1.171371313	8.124730032	0.892855753	0	
OR2A1 OR2A1	2.342742627	6.093547524	0 0		
LOC101927237 LOC101927237	0 0	0.892855753	0		
OR52N2 OR52N2	0 0	1.785711506	0		
PAGE2B PAGE2B	3.51411394	4.062365016	4.464278765		
0.942754225					
OR2F2 OR2F2	0 0	0 0.942754225			
OR2D3 OR2D3	0 2.031182508	0 0			
OR2AG2 OR2AG2	2.342742627	6.093547524	0 13.19855915		
STAM-AS1 STAM-AS1	57.39719436	61.9510665			
85.71415229	25.45436407				
LINC01169 LINC01169	0 3.046773762	0 0	0		
MIR133A1HG MIR133A1HG	12.88508445	6.093547524			
11.60712479	20.74059294				
PRKX-AS1 PRKX-AS1	3.51411394	13.2026863			
6.249990271	10.37029647				
MED140S MED140S	45.68348122	48.74838019	48.21421066		
27.33987252					
HCFC1-AS1 HCFC1-AS1	2.342742627	10.15591254			
4.464278765	18.85508449				
MID1IP1-AS1 MID1IP1-AS1	14.05645576	10.15591254			
10.71426904	10.37029647				
ZNF630-AS1 ZNF630-AS1	0 0	5.357134518	0		
LOC101927780 LOC101927780	14.05645576	15.23386881			

10.71426904	4.713771124				
PM20D2 PM20D2	1047.205954	347.3322089	891.9628973		
1372.650151					
LOC100505592	LOC100505592	0	3.046773762	0	
4.713771124					
DDX26B-AS1	DDX26B-AS1	14.05645576	11.17150379		
13.3928363	8.484788022				
LOC101927178	LOC101927178	1121.002347	1091.760598		
988.3913186	1141.675366				
LINC01186	LINC01186	0	1.015591254	0	0
RTCA-AS1	RTCA-AS1	46.85485254	50.7795627		
45.5356434	49.02321969				
RP11-87M18.2	RP11-87M18.2	0	0	0.892855753	0
HAGLROS HAGLROS	2.342742627	4.062365016	0	0	
LOC101929760	LOC101929760	26.94154021	10.15591254		
34.82137437	47.13771124				
LOC102724190	LOC102724190	0	0	6.249990271	0
LOC102724153	LOC102724153	132.3649584	138.1204106		
120.5355267	222.489997				
LINC01422	LINC01422	2.342742627	0	4.464278765	
0					
OTUD6B-AS1	OTUD6B-AS1	1164.343086	1088.713824		
2556.246021	2051.433193				
MIRLET7BHG	MIRLET7BHG	9.370970508	6.093547524		
118.7498152	46.19495701				
EP300-AS1	EP300-AS1	8.199599194	31.48332888		
19.64282657	51.85148236				
PADI6 PADI6	0 0	0	3.771016899		
LOC101927069	LOC101927069	340.8690522	545.3725034		
54.46420093	63.16453306				
LOC102723854	LOC102723854	0	0	1.785711506	
9.427542247					
LOC101929512	LOC101929512	18.74194102	9.140321286		
4.464278765	15.0840676				
LOC102723927	LOC102723927	7.028227881	4.062365016		0
	3.771016899				
MIATNB MIATNB	197.961752	132.026863	216.963948		
169.6957604					
HORMAD2-AS1	HORMAD2-AS1	140.5645576	102.5747167		
199.9996887	251.715378				
LANCL1-AS1	LANCL1-AS1	2.342742627	2.031182508		
2.678567259	3.771016899				
LOC102724691	LOC102724691	3.51411394	2.031182508		
3.571423012	1.885508449				
CHKB-AS1	CHKB-AS1	114.7943887	194.9935208		
333.9280516	268.684954				
LOC102723824	LOC102723824	29.28428284	33.51451138		
11.60712479	32.99639787				
ITGA9-AS1	ITGA9-AS1	11.71371313	3.046773762		
7.142846024	5.656525348				

CHMP1B2P	CHMP1B2P	1.171371313	0	2.678567259	
0					
LRCH4 LRCH4	5080.237386	5774.651871	4241.957683		
4274.447655					
ZASP ZASP	906.6413966	1048.090174	708.9274679		
741.0048206					
PSMB11 PSMB11	0 1.015591254	0	0		
POTEF POTEF	2.342742627	6.093547524	1.785711506		
4.713771124					
LOC101928063	LOC101928063	161.6492413	106.6370817		
199.9996887	293.1965639				
LOC101927143	LOC101927143	1.171371313	1.015591254		
0.892855753	2.828262674				
LOC102723809	LOC102723809	55.05445173	34.53010264		
52.67848943	57.50800771				
LOC102723354	LOC102723354	10.54234182	2.031182508		
8.035701777	14.14131337				
LOC101928517	LOC101928517	0 0	4.464278765	0	
LOC101929715	LOC101929715	24.59879758	12.18709505		
32.14280711	29.22538097				
C10orf90	C10orf90	0 0	0	1.885508449	
GLTPD2 GLTPD2	3.51411394	11.17150379	8.92855753		
10.37029647					
COA5 COA5	1266.25239	1067.386408	1344.640764		
1544.23142					
C20orf202	C20orf202	1.171371313	0	8.92855753	
4.713771124					
JMJD8 JMJD8	5917.767876	8372.534298	7235.703023		
7078.198719					
CSE1L-AS1	CSE1L-AS1	3.51411394	12.18709505		
6.249990271	2.828262674				
LOC101927322	LOC101927322	366.6392211	288.4279162		
283.0352737	267.7421998				
LOC101929733	LOC101929733	0 0	0.892855753	0	
LOC101927274	LOC101927274	0 0	2.678567259	0	
LOC101927720	LOC101927720	7.028227881	21.32741634		
118.7498152	63.16453306				
KCTD2 KCTD2	1434.929859	778.9584919	1076.784038		
965.3803261					
LOC100996324	LOC100996324	130.0222158	168.5881482		
103.5712674	114.0732612				
LINC01232	LINC01232	45.68348122	34.53010264		
54.46420093	41.48118589				
DSCAS DSCAS	0 0	0	1.885508449		
LOC101927571	LOC101927571	10.54234182	11.17150379		
2.678567259	0.942754225				
LOC101927166	LOC101927166	18.74194102	6.093547524		
0.892855753	10.37029647				
HID1-AS1	HID1-AS1	0 0	5.357134518	0	
NUCB1-AS1	NUCB1-AS1	2101.440136	2000.71477		

1541.961885	1795.004044				
LOC101928571	LOC101928571	57.39719436		74.13816155	
149.1069108	120.6725408				
NDUFV2-AS1	NDUFV2-AS1	29.28428284		28.43655511	
172.3211603	97.10368515				
MAP3K14 MAP3K14	5070.866416	2883.26357		2965.173956	
3264.75788					
TIMM23B TIMM23B	595.0566272	538.2633646		558.9277014	
639.1873644					
GPR89B GPR89B	145.2500429	146.2451406		231.24964	
192.3218618					
CELA2B CELA2B	12.88508445	11.17150379		8.035701777	
4.713771124					
RYBP RYBP	822.302662	343.2698439		405.3565119	
526.9996116					
LOC101929224	LOC101929224	4.685485254		17.26505132	
11.60712479	12.25580492				
LOC102724246	LOC102724246	31.62702546		24.3741901	
74.99988325	101.8174563				
LOC101928710	LOC101928710	67.93953618		28.43655511	
14.28569205	35.82466054				
HP09053 HP09053	418.1795589	657.0875414		515.1777695	
490.2321969					
LOC101927911	LOC101927911	62.08267961		36.56128515	
27.67852834	5.656525348				
GFER GFER	982.780532	1058.246087		661.606113	
803.2265995					
HAGHL HAGHL	107.7661608	28.43655511		58.03562395	
82.01961755					
LINC01352	LINC01352	0	0	0.892855753	
0.942754225					
LOC100507002	LOC100507002	38.65525334		39.60805891	
21.42853807	16.02682182				
LINC01504	LINC01504	11.71371313		14.21827756	0
0					
LOC101927018	LOC101927018	9.370970508		1.015591254	
8.92855753	5.656525348				
LOC101926996	LOC101926996	12.88508445		5.07795627	
21.42853807	3.771016899				
TMEM108-AS1	TMEM108-AS1	0	0	0.892855753	0
LOC101927688	LOC101927688	4.685485254		14.21827756	
5.357134518	21.68334717				
LOC101927666	LOC101927666	0	3.046773762	0	0
LOC101927557	LOC101927557	3.51411394		1.015591254	0
7.542033798					
LOC101927539	LOC101927539	1.171371313		2.031182508	0
7.542033798					
LOC101927730	LOC101927730	289.3287144		394.0494066	
816.0701583	597.7061785				
LOC101927829	LOC101927829	3.51411394		4.062365016	

5.357134518	0.942754225				
LOC101928514	LOC101928514	0	2.031182508	6.249990271	
	2.828262674				
LOC100420587	LOC100420587	9.370970508	2.031182508	0	
	15.0840676				
LOC101928163	LOC101928163	427.5505294	263.0381348		
35.71423012	61.27902461				
C19orf48	C19orf48	6297.292181	8463.937511		
5807.133818	5031.479297				
CCR7	CCR7	16658.07145	29891.89738	62947.22344	
41799.83682					
LOC101929099	LOC101929099	201.4758659	266.0849086		
138.3926417	131.0428372				
LOC101928266	LOC101928266	1.171371313	0	0	0
MYADM	MYADM	2334.543028	1338.549273	1741.068718	
2226.785479					
SRGAP3-AS3	SRGAP3-AS3	7.028227881	0	0	0
C1orf115	C1orf115	19.91331233	67.02902277		
238.3924861	72.5920753				
AGRN	AGRN	79.65324932	21.32741634	30.3570956	
60.33627038					
LOC102724508	LOC102724508	2.342742627	0	12.49998054	
	1.885508449				
LOC101929555	LOC101929555	11.71371313	2.031182508	0	
	0.942754225				
LOC101929420	LOC101929420	0	1.015591254	0	0
LOC101929767	LOC101929767	77.31050669	78.20052656		
76.78559476	55.62249926				
LOC101926950	LOC101926950	0	0	0	0.942754225
LOC101926896	LOC101926896	0	0	0.892855753	0
LOC102724596	LOC102724596	21.08468364	11.17150379		
19.64282657	22.62610139				
RARA-AS1	RARA-AS1	17.5705697	22.34300759		
0.892855753	13.19855915				
TSPAN10	TSPAN10	3.51411394	3.046773762	8.035701777	
8.484788022					
LOC101927087	LOC101927087	0	0	0	0.942754225
LOC101927755	LOC101927755	66.76816487	53.82633646		
33.92851862	34.88190631				
LOC101927691	LOC101927691	0	0	0	3.771016899
LOC101928001	LOC101928001	5.856856567	3.046773762		
7.142846024	4.713771124				
LOC101927919	LOC101927919	24.59879758	27.42096386		
27.67852834	14.14131337				
LOC101929717	LOC101929717	23.42742627	17.26505132		
28.5713841	28.28262674				
LOC102724550	LOC102724550	0	0	2.678567259	0
LOC101927950	LOC101927950	5.856856567	0	4.464278765	
0					
LOC101928674	LOC101928674	19.91331233	12.18709505		

19.64282657	13.19855915				
LOC101928855	LOC101928855	22.25605496	20.31182508		
0.892855753	17.91233027				
LOC101928766	LOC101928766	0	2.031182508	0	0
PHF20 PHF20	1880.050958	2142.897546	3599.994396		
2883.885173					
ZSCAN22 ZSCAN22	696.9659315	604.2767962	570.5348262		
850.3643107					
ERCC6L ERCC6L	1603.607328	1684.86589	742.8559865		
915.4143522					
FBX02 FBX02	55.05445173	18.28064257	124.9998054		
246.0588527					
FBX010 FBX010	322.1271112	181.7908345	62.49990271		
248.8871153					
BAALC-AS1	BAALC-AS1	3.51411394	3.046773762		0
0.942754225					
LINC00515	LINC00515	16.39919839	11.17150379		
16.96425931	16.02682182				
TMED7-TICAM2	TMED7-TICAM2	1344.734268	1448.233128		
1822.318592	1464.097311				
LMF1-AS1	LMF1-AS1	56.22582305	57.88870148		
168.7497373	141.4131337				
LOC553103	LOC553103	28.11291152	49.76397145		
74.99988325	73.53482953				
LOC101927102	LOC101927102	393.5807613	553.4972335		
390.1779641	382.7582152				
LOC101927272	LOC101927272	461.5202975	483.4214369		
239.2853418	279.9980047				
LOC101928530	LOC101928530	32.79839678	32.49892013		
47.32135491	24.51160984				
LOC101927580	LOC101927580	0	0	0	0.942754225
CHRNA5 CHRNA5	405.2944745	421.4703704	225.8925055		
353.5328343					
LOC101928737	LOC101928737	1.171371313	4.062365016		0
7.542033798					
LOC101927817	LOC101927817	78.481878	78.20052656		
85.71415229	71.64932108				
NKPD1 NKPD1	2.342742627	6.093547524	44.64278765		
21.68334717					
GALNT10 GALNT10	3419.232864	2225.160438	1858.032822		
2394.595731					
S0CS7 S0CS7	173.3629544	67.02902277	162.4997471		
92.38991402					
DENND1C DENND1C	6014.991695	7099.998457	3103.566598		
5229.457684					
LOC101060376	LOC101060376	69.11090749	30.46773762		
64.28561422	82.01961755				
VPREB1 VPREB1	3.51411394	0	0	0	
VCP VCP	50752.0049	73946.2148	38827.61813		
38824.50448					

BRWD1-AS1	BRWD1-AS1	0	5.07795627	0	0
TEKT4P2	TEKT4P2	80.82462063	72.10697904	42.85707615	
87.6761429					
LINC01258	LINC01258	1.171371313	6.093547524		0
13.19855915					
MAFIP	MAFIP	100.737933	562.6375547	462.4992801	
92.38991402					
LOC101927040	LOC101927040	0	2.031182508	0	0
LCMT1-AS1	LCMT1-AS1	63.25405093	66.01343151		
35.71423012	46.19495701				
KLHL31	KLHL31	0	2.031182508	0	9.427542247
FAM150B	FAM150B	1.171371313	0	21.42853807	1.885508449
KCTD11	KCTD11	214.3609504	138.1204106	353.5708782	
421.4111384					
CYP27C1	CYP27C1	1.171371313	0	0	0
OR5W2	OR5W2	1.171371313	0	0	0
OR11L1	OR11L1	0	0	1.885508449	
OR2W3	OR2W3	10.54234182	3.046773762	0	0
ASTL	ASTL	9.370970508	22.34300759	26.78567259	
40.53843166					
C14orf37	C14orf37	14.05645576	6.093547524		
16.07140355	0.942754225				
OR2A42	OR2A42	2.342742627	6.093547524	0	0
C10orf55	C10orf55	42.16936728	121.8709505		
108.9284019	27.33987252				
LCN10	LCN10	19.91331233	30.46773762	175.8925833	
88.61889712					
MED11	MED11	1048.377326	1268.473476	1342.855053	
1044.571681					
SPOPL	SPOPL	295.185571	171.6349219	181.2497179	
304.5096146					
LYRM5	LYRM5	501.3469222	298.5838287	858.0343787	
948.4107501					
TIMM50	TIMM50	4001.404407	5509.582553	3791.065527	
3573.038512					
JARID2-AS1	JARID2-AS1	9.370970508	3.046773762		
0.892855753	6.599279573				
KCNQ5-IT1	KCNQ5-IT1	15.22782708	13.2026863		
8.035701777	11.3130507				
FAM223A	FAM223A	5.856856567	1.015591254	4.464278765	
6.599279573					
SEMA6A-AS1	SEMA6A-AS1	5.856856567	10.15591254		
6.249990271	25.45436407				
LOC102723885	LOC102723885	2651.984654	3286.453298		
1773.211526	2149.479632				
FER1L5	FER1L5	0	0	28.5713841	24.51160984
ELFN1-AS1	ELFN1-AS1	3.51411394	22.34300759		
15.1785478	0				
FNDC9	FNDC9	39.82662466	16.24946006	55.35705669	
82.96237177					

C14orf64	C14orf64	473.2340106	416.3924142	
741.9631308	774.0012185			
LINC01341	LINC01341	0 0	7.142846024	0
EXPH5 EXPH5	118.3085027	71.09138778	412.4993579	
547.7402046				
LOC143666	LOC143666	3.51411394	9.140321286	
27.67852834	23.56885562			
LOC101927181	LOC101927181	49.19759517	67.02902277	
20.53568232	61.27902461			
CYP4F29P	CYP4F29P	10.54234182	4.062365016	0
	10.37029647			
LINC00866	LINC00866	3.51411394	0	3.571423012
0				
SFN SFN	5.856856567	6.093547524	2.678567259	
0.942754225				
IRF9 IRF9	8295.651642	8403.002036	23004.42848	
14583.4651				
MIR7110 MIR7110	15.22782708	10.15591254	0.892855753	
4.713771124				
LINC00620	LINC00620	0 0	8.035701777	0
FAM120C FAM120C	175.705697	136.089228	247.3210436	
138.584871				
TNFSF9 TNFSF9	433.407386	609.3547524	658.03469	
448.751011				
LOC101928794	LOC101928794	10.54234182	4.062365016	
40.17850889	12.25580492			
LOC101928068	LOC101928068	12.88508445	4.062365016	
19.64282657	1.885508449			
LOC388813	LOC388813	1.171371313	2.031182508	
16.07140355	24.51160984			
KIAA1161	KIAA1161	240.1311193	284.3655511	
244.6424763	194.2073703			
PNMA6A PNMA6A	0 0	0.892855753	0	
LOC100130691	LOC100130691	101.9093043	69.06020528	
83.92844078	166.8674978			
NOP16 NOP16	3562.140164	6469.316288	5063.384975	
4478.082567				
RHOD RHOD	7.028227881	32.49892013	15.1785478	
20.74059294				
LOC100506551	LOC100506551	97.22381902	88.3564391	
76.78559476	119.7297865			
LOC100132529	LOC100132529	1.171371313	10.15591254	
26.78567259	7.542033798			
LINC01301	LINC01301	1.171371313	3.046773762	
7.142846024	0.942754225			
LINC00869	LINC00869	58.56856567	98.51235164	
474.9992606	279.0552505			
BRWD1-IT2	BRWD1-IT2	21.08468364	27.42096386	
24.99996108	20.74059294			
FCGBP FCGBP	36.31251072	30.46773762	329.4637729	

174.4095316					
AGAP4	AGAP4	154.6210134	84.29407409	163.3926028	
133.8710999					
C5orf34	C5orf34	581.0001715	414.3612317	553.5705669	
515.6865609					
GOLGA6L17P	GOLGA6L17P		1.171371313	0	0.892855753
	4.713771124				
CEP19	CEP19	713.3651299	826.6912808	841.9629751	
751.3751171					
FAM21A	FAM21A	3018.623875	3397.152745	4444.635939	
4048.186641					
LOC100132062	LOC100132062		1.171371313	1.015591254	
13.3928363	1.885508449				
GLUD1P7	GLUD1P7	0	0	1.785711506	4.713771124
LOC103091866	LOC103091866		38.65525334	57.88870148	
299.1066773	209.2914379				
GOLGA6L22	GOLGA6L22		0	0	1.785711506
LPGAT1	LPGAT1	2473.936214	1738.692227	1508.926223	0
2002.409973					
SNORA4	SNORA4	58.56856567	49.76397145	170.5354488	
153.6689386					
SNORA63	SNORA63	80.82462063	44.68601518	140.1783532	
162.1537267					
SNORA52	SNORA52	10.54234182	18.28064257	17.85711506	
24.51160984					
SNORA7A	SNORA7A	53.88308042	32.49892013	62.49990271	
73.53482953					
SNORA72	SNORA72	10.54234182	1.015591254	6.249990271	
5.656525348					
TOP1P1	TOP1P1	5.856856567	9.140321286	5.357134518	
22.62610139					
CXCR2P1	CXCR2P1	7.028227881	6.093547524	28.5713841	
33.93915209					
SNORD60	SNORD60	2.342742627	0	10.71426904	7.542033798
PTTG3P	PTTG3P	4.685485254	1.015591254	0	0
BRD7P3	BRD7P3	24.59879758	4.062365016	15.1785478	
21.68334717					
HNRNPA3P1	HNRNPA3P1		0	0	0.892855753
INE2	INE2	32.79839678	32.49892013	21.42853807	0
66.93554995					
SNORD53	SNORD53	1.171371313	3.046773762	0.892855753	
1.885508449					
SNORD59A	SNORD59A		39.82662466	67.02902277	
117.8569594	93.33266825				
SNORD45A	SNORD45A		28.11291152	32.49892013	
31.24995136	30.16813519				
SNORD45B	SNORD45B		28.11291152	22.34300759	
33.03566286	57.50800771				
SNORD47	SNORD47	146.4214142	88.3564391	233.0353515	
194.2073703					

SNORD48	SNORD48	0	0	0.892855753	0
SNORD49A	SNORD49A			30.45565415	18.28064257
82.14272928	71.64932108				
LOC100506730	LOC100506730			8.199599194	10.15591254
29.46423985	18.85508449				
LINC01006	LINC01006			1.171371313	0
	1.885508449				7.142846024
EDNRB-AS1	EDNRB-AS1			3.51411394	2.031182508
	0				0
SH3BGRL2	SH3BGRL2			15.22782708	19.29623383
169.6425931	40.53843166				
LENG8	LENG8			1144.429773	369.6752165
673.1265164					758.0345343
PTPRH	PTPRH	1.171371313		2.031182508	0
MOXD1	MOXD1	8.199599194		6.093547524	0
KIAA2018	KIAA2018			755.5344972	363.581669
625.8918829	814.5396502				
C1orf167	C1orf167			94.88107639	115.777403
240.1781976	151.7834302				
PPP1R15B	PPP1R15B			3532.855881	2433.356645
4228.564846	4457.341974				
RMDN2	RMDN2	85.51010588		126.9489068	449.9992995
337.5060124					
RNF222	RNF222	5.856856567		4.062365016	0
KRTAP10-4	KRTAP10-4			0	10.37029647
BHLHE40-AS1	BHLHE40-AS1			0	0.892855753
180.3568621	153.6689386			93.70970508	91.40321286
MIR3652	MIR3652	2470.4221		2738.034021	1899.997042
2095.742642					
PPP1R2	PPP1R2	7768.534551		8712.757368	12797.30151
10190.23041					
HSD17B11	HSD17B11			1354.105238	1241.052512
1574.104693	1638.506843				
DDX60L	DDX60L	3234.156196		2050.478742	3803.565508
3801.185034					
SOWAHA	SOWAHA	0	6.093547524	4.464278765	0
HIVEP1	HIVEP1	1315.449985		925.2036324	1133.033951
1448.070489					
FREM2	FREM2	0	0	0.892855753	0
SLC5A3	SLC5A3	2981.139993		2289.142687	1730.354449
2425.70662					
FOCAD	FOCAD	5086.094243		4951.007363	2138.389529
3123.344746					
PNPLA7	PNPLA7	53.88308042		70.07579653	110.7141134
85.79063445					
PPCDC	PPCDC	1735.972287		2419.138367	730.356006
922.956386					
CCDC53	CCDC53	3838.583794		3904.948372	2222.317969
2575.604542					
KIAA2026	KIAA2026			780.1332948	553.4972335

985.7127513	1009.689775				
IP09-AS1	IP09-AS1		394.7521326	555.528416	
312.4995136	370.5024103				
DOCK9-AS1	DOCK9-AS1		0	0	3.571423012
ZNF180 ZNF180	793.0183792		794.1923607	906.2485893	0
872.9904121					
ADRA2B ADRA2B	5.856856567		6.093547524	14.28569205	
16.96957604					
SVILP1 SVILP1	349.0686514		419.4391879	358.9280127	
426.1249096					
GRIP2 GRIP2	49.19759517		15.23386881	14.28569205	
41.48118589					
CNNM1 CNNM1	18.74194102		5.07795627	7.142846024	
72.5920753					
OTUD7B OTUD7B	316.2702546		197.0247033	330.3566286	
288.4827928					
CD109 CD109	3105.305352		2664.911451	616.9633253	
960.666555					
TMEM242 TMEM242	1437.272602		1924.545426	1659.818845	
1134.133332					
LOC441178	LOC441178		0	0	2.678567259
0.942754225					
AOC4P AOC4P	1.171371313		0	0	0
DLEU2L DLEU2L	19.91331233		10.15591254	10.71426904	
8.484788022					
LYPLA2 LYPLA2	6310.177266		9917.248596	5240.170415	
5940.29437					
LINC01353	LINC01353		28.11291152	72.10697904	
24.99996108	31.11088942				
LOC102723373	LOC102723373		2.342742627	3.046773762	
54.46420093	21.68334717				
FER1L4 FER1L4	5.856856567		2.031182508	0	10.37029647
DLGAP4 DLGAP4	1468.899627		1918.451879	1893.747052	
1543.288666					
CASC21 CASC21	0	0	2.678567259	0	
LOC101927560	LOC101927560		5.856856567	0	28.5713841
25.45436407					
LOC102724467	LOC102724467		18.74194102	21.32741634	
42.85707615	19.79783872				
LOC101927587	LOC101927587		4.685485254	0	24.99996108
21.68334717					
SRRM3 SRRM3	9.370970508		1.015591254	10.71426904	0
PERP PERP	1301.393529		2317.579242	724.9988715	
1402.818286					
HMCN2 HMCN2	0	3.046773762	0.892855753	0	
PLEKHA2 PLEKHA2	678.2239905		492.5617582	404.4636561	
570.366306					
CECR2 CECR2	4.685485254		0	0	2.828262674
MIR503 MIR503	1.171371313		0	0	0
MIR499A MIR499A	1.171371313		0	0.892855753	0

MUC3A	MUC3A	0	0	0.892855753	0		
SPDYE6	SPDYE6	23.42742627		49.76397145		57.14276819	
38.65292321							
LOC101928414	LOC101928414			2.342742627		5.07795627	
14.28569205	11.3130507						
LOC101928388	LOC101928388			8.199599194		2.031182508	0
0							
LINC01479	LINC01479			0	0	3.571423012	0
LOC101929655	LOC101929655			21.08468364		9.140321286	
53.57134518	53.73699081						
LINC01359	LINC01359			2.342742627		0	6.249990271
1.885508449							
LOC101929679	LOC101929679			1.171371313		0	19.64282657
7.542033798							
LOC102724558	LOC102724558			0	0	0	0.942754225
CA2	CA2	208.5040938		29.45214637		309.8209463	
351.6473258							
PAPOLA	PAPOLA	11712.54176		5370.446551		5545.527082	
7159.275582							
CASC19	CASC19	0	1.015591254	0		2.828262674	
LOC101926895	LOC101926895			240.1311193		153.3542794	
181.2497179	191.3791076						
LOC101929765	LOC101929765			2.342742627		4.062365016	0
0							
LOC103171574	LOC103171574			1.171371313		0	0
LOC102724034	LOC102724034			1.171371313		0	0
LOC102723344	LOC102723344			1.171371313		0	0
LOC102723320	LOC102723320			0	1.015591254	3.571423012	
0							
LOC54944	LOC54944			70.28227881		27.42096386	
28.5713841	27.33987252						
UPK3B	UPK3B	0	0	3.571423012		0.942754225	
A0AH-IT1	A0AH-IT1			8.199599194		3.046773762	
6.249990271	0						
LINC00400	LINC00400			0	0	0	4.713771124
LOC388436	LOC388436			1.171371313		0	2.678567259
2.828262674							
TADA2A	TADA2A	1280.308846		1567.057305		1183.926729	
1065.312274							
SNRPD1	SNRPD1	8904.764725		10698.23827		6429.454278	
7524.121467							
SH3GL2	SH3GL2	4.685485254		0	0	0	
RXRA	RXRA	52.71170911		237.6483534		183.0354294	
53.73699081							
SLC25A30-AS1	SLC25A30-AS1			22.25605496		5.07795627	
8.92855753	6.599279573						
LM07-AS1	LM07-AS1			584.5142854		964.8116913	
446.4278765	576.9655855						
ZNF316	ZNF316	999.1797304		545.3725034		1024.105549	
944.6397332							

PKD1L3	PKD1L3	21.08468364	45.70160643	56.24991244
24.51160984				
LINC01314	LINC01314		4.685485254	1.015591254
7.142846024	0			
ZNF213-AS1	ZNF213-AS1		237.7883766	279.2875949
251.7853224	296.9675808			
PTCHD3	PTCHD3	0	0.892855753	0
ACCSL	ACCSL	0	1.015591254	0
PLAA	PLAA	5081.408758	5464.896538	3671.422856
4393.234687				
SLC35F1	SLC35F1	0	0	1.885508449
C2orf68	C2orf68	893.7563122	606.3079787	1078.56975
965.3803261				
ANKRD20A2	ANKRD20A2		3.51411394	3.046773762
11.60712479	4.713771124			
C1QL3	C1QL3	30.45565415	37.5768764	24.10710533
32.05364364				
SLC6A17	SLC6A17	1.171371313	0	0
IL17REL	IL17REL	3.51411394	0	0
CALHM1	CALHM1	36.31251072	32.49892013	0
LINC00412	LINC00412		7.028227881	6.093547524
14.28569205	7.542033798			
LOC101929140	LOC101929140		51.54033779	47.73278894
57.14276819	67.87830418			
LOC101929259	LOC101929259		0	0
LOC101927437	LOC101927437		25.7701689	36.56128515
64.28561422	53.73699081			
LOC101928730	LOC101928730		0	0
2.828262674				0.892855753
ZNF710	ZNF710	431.0646434	207.1806158	260.7138799
331.8494871				
LOC100507006	LOC100507006		73.79639275	55.85751897
108.9284019	61.27902461			
ADPRH	ADPRH	650.111079	1180.117037	374.9994163
858.8490987				
NMU	NMU	63.25405093	28.43655511	67.85703723
16.96957604				
ENOPH1	ENOPH1	3816.327739	4023.772549	3721.422779
3822.868381				
ING2	ING2	425.2077868	496.6241232	716.9631697
492.1177053				
ZNF76	ZNF76	2750.379844	2695.379188	4029.458013
3721.993679				
MAP3K4	MAP3K4	2411.853534	1513.230969	1952.675532
2260.724631				
RPL34-AS1	RPL34-AS1		23.42742627	41.63924142
74.99988325	55.62249926			
PANO	PANO	36.31251072	19.29623383	35.71423012
18.85508449				
TBC1D19	TBC1D19	318.6129973	309.7553325	347.3208879

367.6741476					
MSRA MSRA	119.479874	61.9510665	77.67845051		
86.73338867					
CACNA1C-AS2	CACNA1C-AS2	10.54234182	9.140321286		
125.8926612	72.5920753				
LOC101928100	LOC101928100	12.88508445	196.009112		
581.2490952	49.96597391				
LOC101927267	LOC101927267	409.9799597	508.8112183		
165.1783143	165.9247436				
OR7E47P OR7E47P	0 2.031182508	2.678567259	0		
NCK1 NCK1	2354.45634	2318.594833	2355.353476		
2287.121749					
ZNF330 ZNF330	2503.220497	3229.580188	3221.423557		
3503.274699					
SSR1 SSR1	13128.72968	13920.70932	12356.23077		
12554.65801					
SRF SRF	2320.486572	2304.376555	1594.640375		
1575.34231					
LOC101929162	LOC101929162	420.5223015	447.875743		
483.9278181	468.5488497				
TESC-AS1	TESC-AS1	12.88508445	9.140321286		
4.464278765	4.713771124				
STAC STAC	5.856856567	3.046773762	0 40.53843166		
HCLS1 HCLS1	32880.39277	34981.02515	20756.21769		
25325.20674					
MAN2B2 MAN2B2	3142.789234	1966.184668	1401.783532		
2932.908393					
ADAMTS1 ADAMTS1	12.88508445	211.2429808	31.24995136		
14.14131337					
NBPF10 NBPF10	507.2037787	501.7020795	798.2130432		
469.4916039					
GSTA7P GSTA7P	0 1.015591254	0	0		
LINCR-0001	LINCR-0001	4.685485254	0 0		
0.942754225					
CXorf67 CXorf67	0 0	0 5.656525348			
LOC101927964	LOC101927964	3.51411394	0 0		
1.885508449					
LOC101928150	LOC101928150	10.54234182	14.21827756		
31.24995136	30.16813519				
SLC16A12-AS1	SLC16A12-AS1	0 0	0.892855753 0		
LOC101927472	LOC101927472	5.856856567	4.062365016		
15.1785478	16.02682182				
LOC101927692	LOC101927692	29.28428284	2.031182508 0		
1.885508449					
FAM53B-AS1	FAM53B-AS1	43.3407386	23.35859884		
26.78567259	9.427542247				
EDRF1-AS1	EDRF1-AS1	187.4194102	220.3833021		
131.2497957	181.9515654				
LINC01163	LINC01163	7.028227881	5.07795627 0		
5.656525348					

TCERG1L-AS1	TCERG1L-AS1	0	2.031182508	0	0
LINC01516	LINC01516	0	1.015591254	0	0
LOC101929431	LOC101929431	39.82662466	27.42096386		
15.1785478	17.91233027				
LINC01515	LINC01515	0	0	6.249990271	0
LOC101928994	LOC101928994	3.51411394	1.015591254		
2.678567259	4.713771124				
ZNF503 ZNF503	4.685485254	1.015591254	0	0	
LOC101929574	LOC101929574	91.36696245	79.21611782		
104.4641231	100.874702				
LOC102723703	LOC102723703	35.1411394	19.29623383		
25.89281684	12.25580492				
DYRK1B DYRK1B	534.1453189	482.4058457	591.9633643		
401.6132997					
MCCC1 MCCC1	2730.466532	3666.284427	2302.674987		
2337.087723					
CEMIP CEMIP	19.91331233	22.34300759	73.21417175		
48.08046546					
LOC102724009	LOC102724009	145.2500429	156.4010531		
252.6781781	212.1197006				
C8orf59 C8orf59	2145.952246	1811.814797	2024.103992		
2177.762259					
LOC100507316	LOC100507316	105.4234182	105.6214904		
133.928363	115.9587696				
PGM5P3-AS1	PGM5P3-AS1	0	0	0.942754225	
LOC100507651	LOC100507651	0	0	1.785711506	0
C9orf41-AS1	C9orf41-AS1	339.6976809	302.6461937		
178.5711506	230.0320308				
HOMEZ HOMEZ	677.0526192	563.653146	779.4630724		
784.371515					
LOC414300	LOC414300	8.199599194	13.2026863		
5.357134518	0				
LOC93432	LOC93432	0	0	8.92855753	0
LOC101927954	LOC101927954	1564.952075	2146.959911		
2107.139577	1961.871542				
RFX3-AS1	RFX3-AS1	37.48388203	37.5768764		
18.74997081	44.30944856				
CDC37L1-AS1	CDC37L1-AS1	26.94154021	26.40537261		
43.7499319	44.30944856				
PTPRD-AS1	PTPRD-AS1	0	0	0.942754225	
FOCAD-AS1	FOCAD-AS1	3.51411394	5.07795627		
4.464278765	0.942754225				
LOC101929563	LOC101929563	0	0	2.678567259	
1.885508449					
LOC101928525	LOC101928525	1464.214142	2759.361437		
1783.925795	1739.381545				
MIR4674HG	MIR4674HG	1.171371313	1.015591254		
8.92855753	1.885508449				
LOC100507291	LOC100507291	25.7701689	36.56128515		
70.53560449	37.71016899				

LOC100507639	LOC100507639	0	0	5.357134518	0
LOC100996286	LOC100996286	955.8389918		383.893494	
308.9280905	487.4039342				
LINC00472	LINC00472	0	0	0.892855753	0
LOC102724000	LOC102724000	0	0	2.678567259	0
LOC100507406	LOC100507406	44.51210991		62.96665775	
16.96425931	16.96957604				
IFT74-AS1	IFT74-AS1	0	3.046773762	0	
0.942754225					
LOC100996583	LOC100996583	77.31050669		72.10697904	
206.249679	233.8030477				
RNU1-13P	RNU1-13P	0	0	0	0.942754225
RNVU1-8 RNVU1-8	3.51411394	2.031182508		0	6.599279573
LOC101060498	LOC101060498	11.71371313		11.17150379	
24.10710533	0.942754225				
LOC100996348	LOC100996348	1.171371313		0	1.785711506
	1.885508449				
LINC01465	LINC01465	35.1411394		40.62365016	
34.82137437	30.16813519				
ITIH4-AS1	ITIH4-AS1	9.370970508		5.07795627	
16.96425931	21.68334717				
MYLK-AS1	MYLK-AS1	52.71170911		86.32525659	
26.78567259	62.22177883				
LOC440982	LOC440982	0	0	0	0.942754225
LMLN-AS1	LMLN-AS1	43.3407386		92.41880412	
109.8212576	71.64932108				
LINC01410	LINC01410	2.342742627		13.2026863	
5.357134518	1.885508449				
ZNF385D-AS1	ZNF385D-AS1	1.171371313		0	0
STT3B STT3B	22580.52481	23501.79721		15905.33238	0
16832.87668					
GLYCTK-AS1	GLYCTK-AS1	9.370970508		8.124730032	
16.07140355	8.484788022				
PLCXD2-AS1	PLCXD2-AS1	32.79839678		31.48332888	
3.571423012	18.85508449				
ZBTB20 ZBTB20	204.9899799	249.8354485		1329.462216	
1274.603712					
LOC101929754	LOC101929754	0	0	0	0.942754225
ZBTB20-AS4	ZBTB20-AS4	1.171371313		2.031182508	
3.571423012	6.599279573				
B4GALT4-AS1	B4GALT4-AS1	108.9375322		128.9800893	
266.9638702	161.2109724				
ATP13A4-AS1	ATP13A4-AS1	1.171371313		3.046773762	
0.892855753	0				
TM4SF19-AS1	TM4SF19-AS1	9.370970508		10.15591254	
25.89281684	10.37029647				
HDAC11-AS1	HDAC11-AS1	2.342742627		6.093547524	
22.32139383	12.25580492				
LOC101927854	LOC101927854	0	0	0	6.599279573
ARHGAP31-AS1	ARHGAP31-AS1	4.685485254		5.07795627	0

	0.942754225				
ERICH6-AS1	ERICH6-AS1	91.36696245		87.34084785	
77.67845051	33.93915209				
NAALADL2-AS2	NAALADL2-AS2	0	0	0	0.942754225
NAALADL2-AS1	NAALADL2-AS1	0	0	0.892855753	0
LINC01182	LINC01182	0	0	3.571423012	0
LOC101928131	LOC101928131	0	0	0	0.942754225
LINC00824	LINC00824	0	9.140321286		219.6425152
	101.8174563				
LOC51145	LOC51145	2.342742627		0	0
C1orf95	C1orf95	0	1.015591254	0	0
ZNF561-AS1	ZNF561-AS1	130.0222158			261.0069523
291.0709755	205.520421				
ARRDC1-AS1	ARRDC1-AS1	911.3268819			966.8428739
862.4986574	892.7882508				
LOC399886	LOC399886	0	0	0	6.599279573
LOC285043	LOC285043	1.171371313		0	13.3928363
	6.599279573				
LOC400997	LOC400997	2.342742627		0	0
2.828262674					
LOC642757	LOC642757	4.685485254		0	8.92855753
	3.771016899				
LOC729083	LOC729083	4.685485254			3.046773762
2.678567259	0				
H0XA-AS2	H0XA-AS2	0	0	4.464278765	0
LOC403323	LOC403323	24.59879758			27.42096386
26.78567259	14.14131337				
LINC01296	LINC01296	1.171371313			49.76397145
36.60708587	0.942754225				
LOC440446	LOC440446	3.51411394		0	0
DOK5	DOK5	418.4235967			146.4283435
252.6581322					
DUXAP8	DUXAP8	4.685485254	24.3741901		18.74997081
LINC00969	LINC00969	401.7803605			270.1472736
358.9280127	385.5864779				
LOC439933	LOC439933	175.705697			145.2295493
263.3924471	318.650928				
CYP51A1-AS1	CYP51A1-AS1	18.74194102			29.45214637
43.7499319	40.53843166				
BICC1	BICC1	9.370970508	2.031182508		2.678567259
0.942754225					
LOC100049716	LOC100049716	195.6190093			104.6058992
148.214055	317.7081737				
TGFB3	TGFB3	38.65525334	13.2026863		7.142846024
32.99639787					
LOC730202	LOC730202	51.54033779			96.48116913
17.85711506	32.05364364				
LOC728485	LOC728485	60.9113083			37.5768764
14.28569205	36.76741476				
TSL	TSL	4.685485254	1.015591254	0	0.942754225

NINJ2	NINJ2	702.8227881	901.8450336	525.8920385
451.5792736				
MTMR12	MTMR12	3305.609847	3081.303865	2607.138799
2528.466831				
CLK2	CLK2	1988.98849	1079.573503	1220.533814
1542.345912				
MFSD7	MFSD7	19.91331233	17.26505132	49.99992217
47.13771124				
SDHA	SDHA	20272.92332	27920.63476	21696.3948
19612.11614				
DAPK3	DAPK3	1930.419925	2021.026596	1320.533659
1494.265446				
HAS1	HAS1	0	10.71426904	0.942754225
0				
TMEM175	TMEM175	1084.689836	985.1235164	1090.176874
1275.546466				
MAEA	MAEA	4492.208987	5427.319662	4372.314623
4701.515319				
LOC399491	LOC399491		596.2279986	213.2741634
383.0351181	460.0640617			
PKD1P6	PKD1P6	371.3247064	132.026863	284.8209852
306.395123				
TMEM128	TMEM128	1403.302834	1532.527202	1954.461243
2092.914379				
HTRA3	HTRA3	35.1411394	1.015591254	23.21424958
14.14131337				
ZNF131	ZNF131	1512.240366	1420.812164	2264.28219
1908.134551				
TRERF1	TRERF1	2236.147837	217.3365284	668.748959
1597.968411				
FAM9B	FAM9B	0	3.046773762	0
0				
TCEANC	TCEANC	306.8992841	356.4725302	1206.248122
772.11571				
HNRNPR	HNRNPR	21423.20995	22599.95218	14917.83392
17983.97959				
MAP3K6	MAP3K6	483.7763525	283.3499599	372.320849
606.1909665				
LOC729867	LOC729867		72.62502143	30.46773762
61.60704696	43.36669434			
CDCA3	CDCA3	2947.170225	3934.400518	1169.641036
1683.759045				
ZNF823	ZNF823	292.8428284	290.4590987	586.6062297
429.8959265				
SIN3B	SIN3B	823.4740334	820.5977333	669.6418148
628.8170679				
ZNF461	ZNF461	210.8468364	247.804266	563.3919802
349.7618174				
ZNF480	ZNF480	1507.55488	1444.170763	2093.746741
1649.819893				
SEL1L3	SEL1L3	8613.093268	7319.366168	5274.098933
6086.421275				

SPATA18	SPATA18	15.22782708	27.42096386	18.74997081
23.56885562				
SNX14	SNX14	4283.704893	3879.55859	3135.709405
3607.920418				
MIER3	MIER3	1967.903807	1373.079375	1640.176018
1658.304681				
EIF3K	EIF3K	6837.294357	8386.752576	5919.633643
5519.825986				
ZNF570	ZNF570	160.4778699	178.7440607	296.42811
351.6473258				
TMEM53	TMEM53	133.5363297	181.7908345	210.7139577
192.3218618				
LMBR1L	LMBR1L	2356.799083	2299.298599	3598.208685
2978.160596				
RASGEF1B	RASGEF1B		156.963756	59.91988399
821.4272928	725.920753			
MRPL9	MRPL9	4599.975148	6681.57486	4170.529222
4288.588968				
TSEN15	TSEN15	5195.031775	4438.13378	3335.709093
4704.343581				
ANGEL2	ANGEL2	2387.254737	2139.850772	2264.28219
2453.989247				
LYPLAL1	LYPLAL1	1054.234182	1280.660571	1209.819545
1145.446383				
PRIMPOL	PRIMPOL	1358.790724	1074.495547	947.319954
1140.732612				
LOH12CR1	LOH12CR1		1033.149498	1564.010531
994.6413089	955.9527839			
SLC9B2	SLC9B2	1316.621356	1630.023963	1141.069652
1449.955998				
NUDT12	NUDT12	37.48388203	7.109138778	48.21421066
98.9891936				
NKAIN2	NKAIN2	2.342742627	0	0.942754225
NAA40	NAA40	1969.075178	1588.384721	855.3558114
1311.371127				
C11orf85	C11orf85		2.342742627	3.046773762
17.85711506	10.37029647			
KIF3A	KIF3A	1002.693844	1446.201946	1783.925795
1427.329896				
ERP27	ERP27	378.3529342	326.0047926	150.8926223
231.9175393				
DERA	DERA	2606.301172	3021.383981	1870.532803
1901.535271				
RAN	RAN	43825.68632	56454.68663	36795.47844
38412.52089				
ZNF140	ZNF140	1279.137474	1369.01701	2682.138682
1929.817898				
MTTP	MTTP	3.51411394	14.21827756	6.249990271
3.771016899				
SEMA6A	SEMA6A	35.1411394	30.46773762	25.89281684

84.84788022					
RNF19B	RNF19B	643.0828511	814.5041857	555.3562784	
606.1909665					
ZCCHC10	ZCCHC10	2245.518808	1985.480902	1869.639947	
1918.504847					
TEX38	TEX38	2.342742627	3.046773762	13.3928363	
10.37029647					
PIF0	PIF0	5.856856567	3.046773762	0	12.25580492
C1orf162	C1orf162		17.5705697	49.76397145	
1883.925639		977.636131			
CIART	CIART	28.11291152	9.140321286	262.4995914	
144.2413964					
PCDH18	PCDH18	1.171371313	13.2026863	22.32139383	
15.0840676					
C1orf131	C1orf131		1437.272602	1444.170763	
999.1055876		1254.805873			
RC3H1	RC3H1	2329.857542	1371.048193	2005.354021	
1915.676585					
FOSL1	FOSL1	155.7923847	255.928996	167.8568816	
296.0248266					
SLC35F3	SLC35F3	343.2117948	799.2703169	289.285264	
190.4363534					
DCD	DCD	0	0	0	0.942754225
MIA3	MIA3	3873.724934	3390.043606	8449.986847	
7977.58625					
SLC25A45	SLC25A45		814.1030629	577.8714236	
637.4990077		917.2998606			
EIF4B	EIF4B	6388.659144	5786.838966	8363.379839	
9532.187966					
ZNF556	ZNF556	0	0	0	0.942754225
MPND	MPND	490.8045803	187.884382	141.9640647	
213.0624548					
DDX46	DDX46	3368.863898	3327.076948	2746.424296	
3165.768687					
LOC102724105	LOC102724105		30.45565415	15.23386881	
81.24987353		51.85148236			
CCDC181	CCDC181	4.685485254	2.031182508	9.821413283	
3.771016899					
MRPL2	MRPL2	1898.792899	2181.490014	1974.996926	
1790.290273					
ABLIM3	ABLIM3	28.11291152	0	6.249990271	27.33987252
CD55	CD55	3304.438475	4958.116502	7510.702594	
4309.329561					
DNAJB1	DNAJB1	8343.677866	9295.706748	13489.26472	
9423.77123					
SYDE1	SYDE1	28.11291152	24.3741901	17.85711506	
16.02682182					
CIB3	CIB3	1.171371313	1.015591254	2.678567259	0
SCLT1	SCLT1	1436.10123	1508.153012	936.6056849	
1074.739816					

GMFG	GMFG	19947.2821	23230.63435	8203.558659
10574.87414				
IBTK	IBTK	5259.457197	4092.832754	2047.318242
2924.423605				
SRSF10	SRSF10	867.9861433	1002.388568	925.8914159
971.9796057				
BSDC1	BSDC1	3420.404235	3981.117716	4912.492353
4582.728286				
YEATS4	YEATS4	3024.480731	2845.686694	1751.782987
2102.341921				
CNOT8	CNOT8	8387.018604	8854.940144	8056.23746
7631.595449				
ZNF567	ZNF567	664.1675347	593.1052924	1527.676193
1335.882736				
TMCC3	TMCC3	40.99799597	25.38978135	0 41.48118589
C11orf30	C11orf30	2227.948238	2010.870683	
2011.604012	2069.345523			
ACER3	ACER3	911.3268819	869.3461135	459.8207128
954.0672754				
CSRP2	CSRP2	30.45565415	77.18493531	8.92855753
7.542033798				
ANKRD42	ANKRD42	188.5907815	153.3542794	872.3200707
541.140925				
SNRNP70	SNRNP70	9324.115655	11238.53282	5650.884061
6616.249149				
MORN1	MORN1	103.0806756	84.29407409	144.642632
99.93194782				
LONP2	LONP2	5629.610532	6055.970648	4645.528483
4823.130614				
NR2C2AP	NR2C2AP	1806.254565	2281.017957	2487.496128
2003.352728				
ZNF101	ZNF101	3559.797422	3233.642553	3555.351609
3906.773507				
ZNF91	ZNF91	1740.657772	925.2036324	2872.316958
3044.153392				
C19orf40	C19orf40	573.9719436	742.3972067	
331.2494844	411.9835962			
ETV2	ETV2	15.22782708	30.46773762	29.46423985
16.02682182				
CDK19	CDK19	459.1775549	248.8198572	111.6069691
193.2646161				
PPIA	PPIA	88806.34476	107669.938	56063.30559
63829.17478				
TMC06	TMC06	1076.490237	776.9273093	653.5704112
1174.671764				
MT1F	MT1F	329.1553391	296.5526462	305.3566675
289.425547				
FAM221A	FAM221A	110.1089035	155.3854619	367.8565702
256.4291491				
TJP1	TJP1	0 0	0.892855753	0.942754225

USP28	USP28	4386.785569	3614.489273	1438.390618		
2286.178995						
NUDT4	NUDT4	4138.45485	4912.414896	4163.386376		
3979.365583						
ERF	ERF	270.5867734	107.6526729	171.4283046		
172.5240231						
ARL1	ARL1	2373.198281	2624.2878	2595.531674		
2980.988859						
VASH2	VASH2	52.71170911	74.13816155	4.464278765		
30.16813519						
ZNF114	ZNF114	28.11291152	41.63924142	12.49998054		
32.99639787						
RRN3	RRN3	4643.315887	4313.216056	5719.633954		
5064.475695						
LOC100506679	LOC100506679		64.42542224	73.12257029		
66.07132572	60.33627038					
USP46-AS1	USP46-AS1		33.96976809	18.28064257		
9.821413283	19.79783872					
MKLN1-AS	MKLN1-AS		118.3085027	118.8241767		
135.7140745	161.2109724					
LOC401585	LOC401585		18.74194102	35.54569389		
16.96425931	10.37029647					
HNRNPUL1	HNRNPUL1		11713.71313	6787.196351		
5416.062998	5257.740311					
BAHD1	BAHD1	564.6009731	178.7440607	418.7493482		
345.9908005						
MTERF1	MTERF1	1061.26241	1161.836395	1211.605257		
1575.34231						
VPS39	VPS39	7058.683535	7001.486105	7741.059379		
6969.781983						
LOC100419583	LOC100419583		4643.315887	4092.832754		
4201.779174	4822.187859					
LOC100288152	LOC100288152		2.342742627	23.35859884		
33.92851862	15.0840676					
USP30	USP30	730.9356996	943.484275	1766.068679		
1051.170961						
LOC100507437	LOC100507437		38.65525334	46.71719769		
48.21421066	52.79423658					
NHLRC4	NHLRC4	91.36696245	38.59246765	47.32135491		
69.76381263						
LOC100507530	LOC100507530		107.7661608	168.5881482		
148.214055	140.4703795					
LOC101926926	LOC101926926		24.59879758	6.093547524		
11.60712479	8.484788022					
LOC101927003	LOC101927003		25.7701689	52.81074521		
60.71419121	42.42394011					
LOC101927066	LOC101927066		1.171371313	0	0	0
DIAPH2-AS1	DIAPH2-AS1		0	0	3.571423012	0
MYEF2	MYEF2	634.8832519	353.4257564	357.1423012		
522.2858405						

TMED3	TMED3	2585.216489	3888.698912	1774.997237	
1941.130949					
CDKN2AIP	CDKN2AIP		2424.738619	3128.021062	
4331.243258	3095.06212				
LOC101928323	LOC101928323		2.342742627	0	0
LOC102724297	LOC102724297		32.79839678	39.60805891	
40.17850889	19.79783872				
LOC102723582	LOC102723582		9.370970508	12.18709505	
15.1785478	15.0840676				
LOC101927056	LOC101927056		0	1.015591254	21.42853807
	14.14131337				
LINC01471	LINC01471		0	0	0.942754225
PAQR9-AS1	PAQR9-AS1		16.39919839	26.40537261	
37.49994163	7.542033798				
LOC102724699	LOC102724699		3.51411394	4.062365016	
1.785711506	8.484788022				
LOC100505920	LOC100505920		4.685485254	4.062365016	0
	2.828262674				
LOC101929337	LOC101929337		1.171371313	1.015591254	
0.892855753	0				
TUSC2	TUSC2	2649.641911	3205.205998	2782.138526	
2284.293486					
LOC101927815	LOC101927815		28.11291152	29.45214637	
8.92855753	12.25580492				
LOC101929229	LOC101929229		1.171371313	4.062365016	0
	0				
LOC101929066	LOC101929066		19.91331233	12.18709505	
46.42849916	23.56885562				
LOC101929237	LOC101929237		0	1.015591254	0
LOC101927067	LOC101927067		3.51411394	0	0
LOC101927221	LOC101927221		10.54234182	23.35859884	
27.67852834	29.22538097				
LOC101927543	LOC101927543		0	2.031182508	4.464278765
	0				
LOC101927588	LOC101927588		4.685485254	29.45214637	0
	0				
LOC101927657	LOC101927657		2.342742627	2.031182508	0
	0				
LOC101927822	LOC101927822		1.171371313	0	0
ERC1	ERC1	1478.270598	1341.596047	1247.319487	
1674.331503					
METTL8	METTL8	1266.25239	1160.820803	881.2486282	
1291.573288					
N6AMT1	N6AMT1	324.4698538	374.7531727	444.642165	
468.5488497					
LOC100506022	LOC100506022		10.54234182	6.093547524	0
	1.885508449				
OAZ2	OAZ2	3529.341767	4270.561223	3621.422934	
2835.804708					
APOBEC3H	APOBEC3H		1115.14549	1740.723409	

478.5706836	429.8959265			
POT1-AS1	POT1-AS1	10.54234182	13.2026863	
34.82137437	24.51160984			
ZNF169 ZNF169	173.3629544	155.3854619	358.035157	
214.9479632				
RNU6-2 RNU6-2	71.45365012	21.32741634	58.9284797	
24.51160984				
LLPH-AS1	LLPH-AS1	58.56856567	80.23170907	
58.9284797	48.08046546			
MT1G MT1G	263.5585455	175.697287	90.17843106	
229.0892766				
TTY14 TTY14	14.05645576	0 0	11.3130507	
UNC93B1 UNC93B1	1046.034583	1405.578296	1345.53362	
1476.353116				
LOC154872	LOC154872	1.171371313	0 0	0
NUDT17 NUDT17	171.0202118	134.0580455	250.8924666	
198.9211414				
C1orf186	C1orf186	3.51411394	5.07795627	
10.71426904	27.33987252			
TBC1D3C TBC1D3C	69.11090749	30.46773762	64.28561422	
82.01961755				
LINC01058	LINC01058	5.856856567	8.124730032	0
3.771016899				
LINC01068	LINC01068	5.856856567	3.046773762	0
3.771016899				
LINC01269	LINC01269	2.342742627	0 0	0
LINC01396	LINC01396	0 0	1.785711506	0
SPATA17-AS1	SPATA17-AS1	1.171371313	1.015591254	0
0				
CATIP-AS2	CATIP-AS2	0 0	14.28569205	0
BIRC6-AS2	BIRC6-AS2	21.08468364	9.140321286	
1.785711506	14.14131337			