

#1.2

Differential_Expression_DESeq2_compare_2_groups_on_L1_Proliferating
_on_L1_Non_Proliferating.norm

19874 4

Name	Description	L1_CFSE_Lo_2_0	L1_CFSE_Lo_3_0	L1_CFSE_Hi_2_0	L1_CFSE_Hi_3_0
IFI6	IFI6	7857.378577	4686.029547	21826.18711	
4437.939401					
LRR75B	LRR75B	20.83356377	50.17916291	6.690360818	
19.61520177					
ASNSD1	ASNSD1	5567.769919	4497.637602	5435.918164	
5168.605667					
COMMD6	COMMD6	2466.693951	3200.022056	3244.824997	
2973.664589					
PIANP	PIANP	3.125034566	5.282017149	4.460240545	
13.73064124					
GPR151	GPR151	0	1.760672383	6.690360818	0
NSMF	NSMF	794.800458	1248.316719	1388.24987	
1517.235857					
FBXL3	FBXL3	4507.341522	4621.765005	6103.839186	
5225.489752					
EPB41L1	EPB41L1	5.208390943	0	0	0
FNDC8	FNDC8	65.62572589	88.03361914	64.6734879	
46.09572417					
FIGF	FIGF	7.291747321	0.880336191	0	0
DFFB	DFFB	837.5092637	743.0037456	357.9343037	
838.5498758					
PPM1H	PPM1H	5.208390943	5.282017149	4.460240545	0
LRR46	LRR46	48.95887487	85.39261057	39.02710477	
143.1909729					
SNX6	SNX6	7843.836761	5881.526095	6703.741539	
6430.843901					
GNAS	GNAS	8318.842015	9677.535752	7703.950481	
7702.889736					
FHL2	FHL2	551.0477618	590.7055845	239.7379293	
285.4011858					
BDH1	BDH1	4471.924464	3323.269123	2943.75876	
3411.083588					
FOLR1	FOLR1	0	0	0.980760089	
ER01LB	ER01LB	184.3770394	259.6991765	674.6113824	
388.3809951					
ZNF790	ZNF790	343.7538023	289.630607	544.1493465	
624.7441765					
NPIPA5	NPIPA5	16.66685102	50.17916291	24.531323	
37.26888337					
NPIPA2	NPIPA2	0	3.521344766	2.230120273	1.961520177
KLF5	KLF5	328.1286294	144.3751354	477.2457383	
165.748455					
SPTLC2	SPTLC2	3872.959506	4471.227516	2737.472635	
3016.818033					

AQP3	AQP3	9516.771932	8500.526265	2746.393116	
3674.908052					
CLTC	CLTC	25722.15951	31917.46896	21478.28834	
25123.15043					
TBC1D9	TBC1D9	1.041678189	0	8.92048109	3.923040355
HAT1	HAT1	11487.62707	10531.46186	8265.94079	
9383.912528					
PYCR2	PYCR2	4797.969737	5564.605066	5576.415741	
5266.681676					
NFX1	NFX1	5387.559592	4312.767002	6087.113284	
4891.050562					
GPT2	GPT2	1264.597321	691.9442465	1199.804707	
705.1665038					
KCNC2	KCNC2	1.041678189	0	5.575300681	0
ZFAND6	ZFAND6	4441.715797	5171.975125	4964.247727	
4849.858638					
CD19	CD19	3.125034566	11.44437049	34.56686422	
39.23040355					
RABL6	RABL6	1432.307509	3368.166268	1287.894457	
1534.889539					
IL15	IL15	203.1272468	220.0840479	516.2728431	
209.882659					
CXCL8	CXCL8	238.5443052	2421.804863	0	340.3237508
RASAL1	RASAL1	42.70880574	13.20504287	84.74457036	
147.1140133					
UTY	UTY	0	1561.716404	0	1688.868873
DACT3-AS1	DACT3-AS1	0	7.042689532	8.92048109	
1.961520177					
ZNF790-AS1	ZNF790-AS1	81.25089872	79.23025723		
109.2758934	117.6912106				
TGFB2-AS1	TGFB2-AS1	0	0	1.115060136	0
LOC100652999	LOC100652999	387.5042862	559.8938178		
443.7939342	533.5334882				
LOC400684	LOC400684	23.95859834	22.00840479		
8.92048109	24.51900222				
SLX1A	SLX1A	61.45901313	72.1875677	92.54999131	
75.51852683					
AKR1E2	AKR1E2	82.29257691	70.42689532	22.30120273	
49.03800443					
CPEB1	CPEB1	1.041678189	1.760672383	60.21324736	
33.34584301					
MORF4L2	MORF4L2	7459.457509	5962.517025	7312.564374	
7445.930593					
LTBP4	LTBP4	782.3003197	1439.349673	1438.427576	
2512.707347					
ASB9	ASB9	19.79188559	31.69210289	7.805420954	
25.49976231					
SPAG9	SPAG9	1435.432544	2720.238832	1824.238383	
1656.50379					
CSDE1	CSDE1	29455.53414	26730.52812	28854.41115	

26585.46372					
NBPF6	NBPF6	3.125034566	0	0	0
HLA-G	HLA-G	3.125034566	3.521344766	2.230120273	
3.923040355					
VIL1	VIL1	2.083356377	2.641008574	0	2.942280266
RAPGEFL1	RAPGEFL1		51.04223125	83.63193819	
33.45180409					
TIMP4	TIMP4	1.041678189	20.2477324	20.07108245	
17.6536816					
C1orf112	C1orf112		3785.458538	2777.460684	
1995.957644					
HAMP	HAMP	0	0	0.980760089	
CCDC81	CCDC81	23.95859834	7.042689532	37.91204463	
9.807600887					
CCDC90B	CCDC90B	3553.164302	2487.830077	4316.397787	
3071.740598					
IFT74	IFT74	1076.053569	978.9338449	1045.926408	
876.7995193					
ASPN	ASPN	8.33342551	11.44437049	1.115060136	
0.980760089					
ZC2HC1B	ZC2HC1B	1.041678189	0.880336191	0	0
ALG10B	ALG10B	310.4201002	360.9378385	204.0560049	
195.1712576					
COPG2	COPG2	139.5848773	156.6998421	189.5602232	
156.9216142					
HRAS	HRAS	2432.318571	1730.740952	1825.353443	
1409.352247					
SPAG8	SPAG8	21.87524196	34.33311147	47.94758586	
63.74940576					
SLC12A1	SLC12A1	0	0.880336191	5.575300681	3.923040355
PADI4	PADI4	17.70852921	7.042689532	148.3029981	
36.28812328					
FAM198B	FAM198B	2.083356377	0	4.460240545	0
SLC25A37	SLC25A37		300.0033183	310.7586756	
384.695747					
NEDD4L	NEDD4L	105.2094971	170.7852211	63.55842777	
134.3641321					
DTNA	DTNA	0	0	1.115060136	0
MZT1	MZT1	3084.409117	2685.025384	2492.159405	
1879.13633					
GRM4	GRM4	1.041678189	0	0	0.980760089
C20orf24	C20orf24		15871.00888	9978.61073	
10724.64839					
GSTM4	GSTM4	704.1744556	848.6440885	557.5300681	
749.3007077					
FAM159B	FAM159B	0	0.880336191	2.230120273	5.884560532
EHD2	EHD2	0	14.96571525	0	13.73064124
DYNLL2	DYNLL2	46.87551849	139.0931182	62.44336763	
32.36508293					
TRPM8	TRPM8	0	4.401680957	0	0

LOC150776	LOC150776	869.8012876	1069.608473
1501.986004	1240.661512		
LMCD1 LMCD1	522.9224507	198.9559793	197.3656441
133.3833721			
LINC00493	LINC00493	1628.143009	2188.515772
2081.817274	1792.829442		
ASPM ASPM	5613.603759	7340.243164	2767.579258
4124.096173			
DOK3 DOK3	16.66685102	46.65781815	23.41626286
36.28812328			
USP4 USP4	8049.047364	6289.121752	7524.4258
7184.067649			
KHDC1 KHDC1	326.0452731	432.24507	177.2945617
265.785984			
TRPC1 TRPC1	18.7502074	41.375801	63.55842777
71.59548647			
SPP1 SPP1	1258.347252	14.96571525	410.3421301
56.88408514			
ZFYVE1 ZFYVE1	1411.473946	1379.486812	1687.085986
963.1064071			
UPK1A UPK1A	18.7502074	4.401680957	41.25722504
28.44204257			
DKK3 DKK3	0 0	0 6.865320621	
HSP90AA1	HSP90AA1	58513.14722	55584.42713
62307.33029	52408.87686		
CIZ1 CIZ1	2765.655591	3711.497383	2475.433503
2803.993094			
LACTB LACTB	2481.277445	1489.528836	2664.993726
1854.617328			
ZFH3 ZFH3	133.3348082	149.6571525	69.13372845
128.4795716			
STX12 STX12	1498.974914	1249.197056	1449.578177
1483.890014			
CDC27 CDC27	7195.912928	6944.972214	4753.501361
5572.678824			
GPHA2 GPHA2	1.041678189	2.641008574	0 0
UBTD1 UBTD1	92.70935879	97.71731725	210.7463658
142.2102129			
NAA25 NAA25	3893.793069	2783.623037	4284.061044
4705.686905			
CHN2 CHN2	60.41733494	43.13647338	140.4975772
34.3266031			
ZNF706 ZNF706	10198.02947	10634.46119	7674.958918
8926.878327			
NR1I3 NR1I3	285.4198237	292.2716156	254.2337111
212.8249392			
NLGN4X NLGN4X	0 0.880336191 0	0	0
ARL4A ARL4A	1114.595662	643.5257559	1285.664337
958.2026066			
ASIC4 ASIC4	0 0.880336191 0	0	0

SNORA7B	SNORA7B	8.33342551	4.401680957	15.61084191
4.903800443				
TGIF1	TGIF1	680.2158572	1030.87368	2784.30516
2982.49143				
CRB3	CRB3	26.04195472	26.41008574	94.78011158
91.21068825				
SNORD85	SNORD85	1.041678189	0.880336191	3.345180409
2.942280266				
INPP5D	INPP5D	11448.04329	13440.97297	6830.858395
7004.588553				
ING1	ING1	1169.804606	1507.13556	1375.984208
1235.757712				
LY96	LY96	207.2939596	511.4753272	414.8023707
306.9779078				
ZBTB4	ZBTB4	376.0458261	1044.959059	1863.265488
1190.642748				
MRPL4	MRPL4	5738.605142	4299.561959	4191.511052
4719.417547				
GDI2	GDI2	30112.83308	22976.7746	23573.48634
22672.23097				
CD300LD	CD300LD	2.083356377	0	7.805420954
0				0
PTCHD4	PTCHD4	0	0	6.690360818
0				0
ITM2C	ITM2C	4983.388455	5407.024888	2406.299774
1690.830393				
PPFIA2	PPFIA2	0	0	2.942280266
0				
BCL2L12	BCL2L12	2443.777031	2510.718818	1459.613718
1863.444168				
RGS11	RGS11	0	1.760672383	0
0				5.884560532
NOTCH3	NOTCH3	0	0	3.345180409
0				0
LAIR2	LAIR2	1437.5159	1007.984939	483.9360991
560.9947707				
CCL4L2	CCL4L2	1.041678189	12.32470668	11.15060136
9.807600887				
DRD1	DRD1	0	5.282017149	0
0				0
TMPRSS2	TMPRSS2	0	23.76907717	2.230120273
0				0.980760089
TOMM22	TOMM22	8128.214906	5753.877347	6596.695766
5622.697588				
RNPEP	RNPEP	4233.380159	3884.043277	2863.47443
3662.158171				
AP4B1	AP4B1	3259.411052	3197.381047	2550.142532
3068.798317				
RIF1	RIF1	6022.983287	5944.910301	7987.175756
7230.163374				
CEBPB	CEBPB	704.1744556	1046.719732	1362.603487
982.7216088				
CDKN3	CDKN3	5750.063602	5975.722067	2814.411784
3979.92444				
CD80	CD80	1217.721803	249.1351422	685.7619838
339.3429907				
NCF2	NCF2	1419.807371	588.0645759	662.3457209

382.4964346					
KCNK12	KCNK12	42.70880574	36.97412004	12.2656615	
21.57672195					
C2orf43	C2orf43	2751.072096	2420.04419	1885.56669	
2200.825639					
STAG3	STAG3	242.711018	760.6104694	518.5029634	
685.551302					
LRRC27	LRRC27	188.5437522	86.27294676	172.8343211	
115.7296905					
SCG5	SCG5	55.208944	59.86286102	14.49578177	
29.42280266					
TC2N	TC2N	4957.3465	7170.338279	4252.83936	
3978.94368					
LPAR5	LPAR5	623.965235	467.4585177	374.6602058	
702.2242235					
C2orf72	C2orf72	4.166712755	6.16235334	0	4.903800443
DGCR2	DGCR2	4219.838342	4274.032209	5679.001274	
4762.570991					
WDR25	WDR25	1044.803223	605.6712997	902.0836502	
619.840376					
SLC12A8	SLC12A8	29.16698928	71.30723151	47.94758586	
44.13420399					
ZNF621	ZNF621	386.462608	933.1563629	507.352362	
555.1102102					
FAM71F1	FAM71F1	4.166712755	0	5.575300681	1.961520177
SEC14L3	SEC14L3	0	0	4.903800443	
TRAK1	TRAK1	1154.179433	1962.269371	1147.39688	
1443.678851					
IFIT1B	IFIT1B	9.375103698	2.641008574	122.656615	
1.961520177					
DEPDC5	DEPDC5	1430.224153	1934.978949	1514.251665	
1611.388826					
SMAGP	SMAGP	228.1275233	198.9559793	464.9800768	
306.9779078					
PTTG1IP	PTTG1IP	6828.200527	5257.367735	5106.975424	
5036.203055					
HMG3	HMG3	3884.417966	3678.924944	2824.447325	
2854.011858					
LOC103344931	LOC103344931		26.04195472	24.64941336	
37.91204463		11.76912106			
ELN	ELN	0	1.760672383	0	0
HDGF	HDGF	10189.69604	9585.980789	6340.231935	
7389.046508					
PAN2	PAN2	1137.512582	1776.518434	1632.448039	
1563.331581					
BBC3	BBC3	197.9188559	211.2806859	921.0396726	
220.67102					
SPECC1L	SPECC1L	1060.428396	1508.896232	1346.992645	
1024.894293					
CYP27B1	CYP27B1	233.3359143	331.8867442	284.3403347	

539.4180488					
HPX	HPX	3.125034566	2.641008574	0	4.903800443
SLC12A2	SLC12A2	2089.606447	2832.041528	2039.444989	
1859.521128					
CD59	CD59	12013.67455	8607.92728	6704.856599	
5747.25412					
CYP27A1	CYP27A1	0	2.641008574	0	0.980760089
CXCL12	CXCL12	0	0	4.903800443	
PTPRJ	PTPRJ	2569.820092	5300.504209	1805.282361	
2064.499987					
ZNF219	ZNF219	82.29257691	96.83698106	200.7108245	
147.1140133					
SH2D3C	SH2D3C	4591.717456	5741.552641	2718.516612	
4333.978832					
RTP1	RTP1	0	0	1.961520177	
AAED1	AAED1	709.3828465	774.6958485	916.579432	
738.5123468					
SNX18	SNX18	322.9202385	853.0457695	217.4367266	
166.7292151					
DHX16	DHX16	1.041678189	205.1183326	1.115060136	
237.3439415					
ANXA9	ANXA9	16.66685102	44.01680957	34.56686422	
23.53824213					
EDIL3	EDIL3	0	0	3.345180409	0
IFI16	IFI16	16596.0169	15386.51595	18187.74588	
14527.99919					
LRR32	LRR32	872.9263221	152.2981611	834.0649819	
681.6282616					
GINS3	GINS3	1603.142732	1555.55405	1179.733624	
1354.429682					
SCLY	SCLY	3875.042862	3520.46443	2790.995521	
3252.200454					
FAM160B2	FAM160B2		1226.055228	1638.305652	
1547.703469	2498.976706				
FN3K	FN3K	2.083356377	2.641008574	1.115060136	
13.73064124					
SAV1	SAV1	808.3422744	581.0218863	1499.755883	
1374.044884					
FAM186B	FAM186B	9.375103698	8.803361914	11.15060136	
4.903800443					
MYCBPAP	MYCBPAP	115.6262789	173.4262297	33.45180409	
104.9413295					
SPATA9	SPATA9	232.2942361	214.8020307	181.7548022	
318.7470288					
LRR8E	LRR8E	1.041678189	0.880336191	41.25722504	
1.961520177					
CNOT11	CNOT11	8100.089595	6847.254897	6785.140929	
7071.280239					
ZNF223	ZNF223	6.250069132	12.32470668	255.3487712	
126.5180514					

POGK	POGK	4354.214829	3877.000587	4407.832719
4964.607569				
PKN3	PKN3	681.2575354	709.5509703	347.8987625
608.071255				
ASAP2	ASAP2	8.33342551	13.20504287	5.575300681
22.55748204				
PROM1	PROM1	1.041678189	0	17.84096218
LOC375196	LOC375196		13.54181645	18.48706002
24.531323		36.28812328		
WASH5P	WASH5P	3.125034566	2.641008574	0
DALRD3	DALRD3	2526.069608	2464.061	2439.751578
2716.705446				
ACOT9	ACOT9	3693.790857	2685.025384	2387.343752
2956.010907				
CHD2	CHD2	4588.592421	3708.856375	9337.513581
5420.66101				
HENMT1	HENMT1	2453.152134	2420.924526	2290.33352
2187.094998				
NREP	NREP	171.8769011	1010.625948	171.719261
529.6104479				
SCN2A	SCN2A	1.041678189	2.641008574	0
CALCA	CALCA	0	0	4.903800443
PSMD14	PSMD14	17722.07102	11940.8801	10126.97616
10902.12915				
EIF3E	EIF3E	10353.23952	8556.867781	10162.65808
10002.77214				
USP47	USP47	8987.599412	7959.999843	10347.75806
8969.051011				
PAQR5	PAQR5	3.125034566	6.16235334	0
CXCL10	CXCL10	1028.136372	2511.599154	6356.957837
1980.154619				
SH3GLB1	SH3GLB1	5820.897718	5014.394946	5739.214521
5078.375739				
C1orf106	C1orf106		40.62544936	2.641008574
23.41626286		2.942280266		
ASH1L	ASH1L	2483.360802	2392.753768	4048.783355
2922.665064				
SMCP	SMCP	0	0	0.980760089
TAP2	TAP2	555.2144746	17.60672383	635.5842777
19.61520177				
CASP6	CASP6	2686.488049	2835.562873	1649.173942
1860.501888				
CASP4	CASP4	3418.787815	2962.331284	3928.35686
2869.704019				
CASP1	CASP1	2709.404969	1546.750688	3746.602058
2472.496184				
GNAT2	GNAT2	23.95859834	29.93143051	49.062646
28.44204257				
MRPL50	MRPL50	2788.572511	2472.864362	3148.929825
2803.012333				

UTS2R	UTS2R	1.041678189	10.5640343	0	0
SNX9	SNX9	5302.14198	6273.2757	6680.325276	
9157.356948					
PACSIN3	PACSIN3	169.7935448	143.4947992	173.9493813	
146.1332532					
UBXN1	UBXN1	3730.249594	3553.036869	3633.980984	
3467.967674					
IL17RA	IL17RA	2325.025717	3543.353171	4193.741172	
3733.753658					
HSD17B8	HSD17B8	1.041678189	0	12.2656615	0
RNF14	RNF14	3325.036778	2614.598489	3228.099094	
3473.852234					
PKIB	PKIB	21.87524196	13.20504287	14.49578177	
23.53824213					
ZNF410	ZNF410	8666.76253	6302.326795	7856.71372	
7370.412066					
EML5	EML5	67.70908227	161.9818592	152.7632387	
218.7094998					
EIF3L	EIF3L	11943.88211	10149.39595	11779.49528	
11067.8776					
CCDC82	CCDC82	2746.905384	2740.486564	2603.665418	
3108.028721					
ACBD4	ACBD4	366.6707224	470.0995262	342.3234618	
554.1294501					
COL11A2	COL11A2	0	0.880336191	1.115060136	0
CAMK2B	CAMK2B	6.250069132	15.84605145	42.37228518	
65.71092594					
LMNB1	LMNB1	3526.080669	8838.575362	1869.955849	
2881.473141					
CDH18	CDH18	0	0	1.115060136	0
OMD	OMD	39.58377117	44.89714576	21.18614259	
19.61520177					
OXSRI	OXSRI	4536.508512	5302.264881	3562.617135	
4352.613274					
NRD1	NRD1	13869.94508	12280.68987	10641.01888	
10712.84245					
B4GALT5	B4GALT5	356.2539405	1126.830325	355.7041835	
419.765318					
MSH5	MSH5	33.33370204	25.52974955	11.15060136	
28.44204257					
USB1	USB1	7117.787063	5458.964723	4487.001988	
5328.469562					
SNORD25	SNORD25	44.79216211	14.96571525	54.63794668	
44.13420399					
SNORD26	SNORD26	44.79216211	20.2477324	43.48734531	
23.53824213					
SNORD27	SNORD27	31.25034566	26.41008574	36.7969845	
39.23040355					
SNORD28	SNORD28	10.41678189	21.12806859	30.10662368	
39.23040355					

SNORD30	SNORD30	25.00027653	8.803361914	30.10662368
23.53824213				
SNORD31	SNORD31	37.50041479	27.29042193	26.76144327
54.92256497				
CPZ	CPZ	2.083356377	0	0
MGEA5	MGEA5	6462.571483	10152.9173	9137.917817
8296.24959				
MS4A6A	MS4A6A	1.041678189	5.282017149	0
GPAM	GPAM	935.4270135	1005.343931	10.78836098
830.7037951				1159.662542
GPR161	GPR161	53.12558762	43.13647338	140.4975772
113.7681703				
C1orf85	C1orf85	1680.226918	1240.393694	621.0884959
973.894768				
NOC4L	NOC4L	3506.288783	2528.325542	2545.682291
2759.85889				
MTX1	MTX1	3176.076797	2427.08688	1951.355238
2086.076709				
SNORA38	SNORA38	1.041678189	0	0
SNORD10	SNORD10	57.29230038	50.17916291	118.1963744
98.07600887				
DICER1-AS1	DICER1-AS1		32.29202385	45.77748195
59.09818722	48.05724434			
SLC7A5P1	SLC7A5P1		130.2097736	131.1700925
304.4114172	242.2477419			
SNORD37	SNORD37	9.375103698	11.44437049	4.460240545
6.865320621				
SNORD96A	SNORD96A		70.83411683	68.66622293
112.6210738	81.40308736			
SGCD	SGCD	1.041678189	4.401680957	3.345180409
7.846080709				
SCNN1B	SCNN1B	0	1.760672383	0
CR2	CR2	5.208390943	0.880336191	2.942280266
33.34584301				92.54999131
TNIP2	TNIP2	7334.456127	6806.759432	5228.516979
7371.392826				
GLA	GLA	2607.320506	1877.757096	1542.128168
1276.949635				
MPO	MPO	121.8763481	258.8188403	8.92048109
48.05724434				
GK	GK	8766.763636	5748.59533	3486.793046
6214.095922				
ATP8B5P	ATP8B5P	1.041678189	3.521344766	2.230120273
0.980760089				
KLHDC4	KLHDC4	2110.44001	1075.770826	1451.808297
915.0491627				
ZNF775	ZNF775	464.5884722	592.4662568	417.032491
439.3805197				
RIMKLA	RIMKLA	98.95942793	102.9993344	78.05420954
210.8634191				

ALDH1A2	ALDH1A2	0	1.760672383	0	0
TYR03	TYR03	47.91719668	95.95664487	30.10662368	
		105.9220896			
MIR198	MIR198	2.083356377	0	0	0
RAD9B	RAD9B	96.87607155	85.39261057	152.7632387	
		127.4988115			
TBCK	TBCK	2122.940149	2466.702008	1702.696828	
		2955.030147			
KLHDC9	KLHDC9	22.91692015	77.46958485	26.76144327	
		54.92256497			
DLG1	DLG1	1952.104926	2875.178001	2168.791965	
		2609.802596			
RCBTB2	RCBTB2	2300.025441	916.4299753	1643.598641	
		425.6498785			
SORBS1	SORBS1	42.70880574	88.03361914	36.7969845	
		139.2679326			
LRRC23	LRRC23	88.54264604	196.3149707	140.4975772	
		317.7662687			
SLC6A9	SLC6A9	41.66712755	74.82857627	333.4029807	
		88.26840798			
FANCB	FANCB	768.7585033	772.9351761	624.4336763	
		753.2237481			
MS4A1	MS4A1	0	10.5640343	33.45180409	31.38432284
TRIM52-AS1	TRIM52-AS1		230.2108797	358.2968299	
		371.3150254	285.4011858		
KIF25-AS1	KIF25-AS1		0	0	1.115060136
		0	0	0	0
LOC727751	LOC727751		2.083356377	0.880336191	
		3.345180409	0.980760089		
CPED1	CPED1	15.62517283	23.76907717	0	6.865320621
C1orf204	C1orf204		47.91719668	12.32470668	
		80.28432981	50.99952461		
LDB1	LDB1	2619.820645	2711.43547	2814.411784	
		3004.068152			
FAM135A	FAM135A	505.2139215	456.0141472	752.665592	
		511.9567663			
GRB10	GRB10	136.4598427	314.2800203	303.2963571	
		180.4598563			
KIAA1462	KIAA1462		2.083356377	21.12806859	0
		8.826840798			
SLC10A3	SLC10A3	3056.283806	1998.363155	3196.877411	
		2791.243212			
AICDA	AICDA	0	48.41849053	6.690360818	0
COL6A3	COL6A3	104.1678189	2059.106352	459.4047761	
		2210.63324			
TAB1	TAB1	189.5854303	459.5354919	162.7987799	
		211.8441792			
CECR1	CECR1	504.1722433	912.9086305	1808.627541	
		848.3574767			
GYPE	GYPE	4.166712755	97.71731725	0	107.8836098
HKDC1	HKDC1	134.3764863	66.02521436	50.17770613	

42.17268381					
C9orf72	C9orf72	550.0060836	404.0743119	889.8179887	
818.934674					
MIXL1	MIXL1	1.041678189	1.760672383	13.38072164	0
CDC42SE1	CDC42SE1		5567.769919	5689.612805	
3416.544258		3201.200929			
INCENP	INCENP	219.7940978	653.209454	138.2674569	
213.8056993					
RNF149	RNF149	10112.61186	9335.96531	8951.702774	
6512.246989					
PEX5L	PEX5L	14.58349464	23.76907717	17.84096218	
10.78836098					
SCML1	SCML1	14.58349464	21.12806859	670.1511419	
349.1505916					
VEGFA	VEGFA	127.084739	292.2716156	228.5873279	
378.5733942					
FM05	FM05	15.62517283	28.17075813	24.531323	
23.53824213					
PTMS	PTMS	415.6295973	1383.008157	234.1626286	
502.1491654					
RRAGD	RRAGD	45.8338403	315.1603565	595.4421128	
615.9173357					
BBS7	BBS7	1448.97436	1198.137557	981.2529199	
1108.2589					
RBM41	RBM41	1132.304191	939.3187163	1000.208942	
855.2227973					
STARD3	STARD3	3106.284359	2372.506036	2479.893743	
2551.937751					
LOC101060553	LOC101060553		14.58349464	16.72638764	0
9.807600887					
FUZ	FUZ	182.293683	409.356329	229.7023881	
288.3434661					
GSR	GSR	6670.90712	3671.882254	6368.108438	
5093.08714					
E2F7	E2F7	1107.303915	936.6777077	543.0342864	
377.5926341					
STMN1	STMN1	53612.05134	59218.45493	28072.75399	
44308.77929					
TMEM106B	TMEM106B		2347.942637	2368.984691	
3887.099635		3395.391427			
RPS10	RPS10	13981.40465	12058.84515	14955.18655	
11891.71608					
SNUPN	SNUPN	3368.787262	2551.214283	2780.95998	
3250.238934					
INADL	INADL	393.7543553	606.5516359	1023.625205	
1753.599039					
SUGT1P1	SUGT1P1	7.291747321	57.22185244	1.115060136	
20.59596186					
USP10	USP10	14117.86449	11248.05552	13164.39997	
12882.28376					

SCARNA2	SCARNA2	10.41678189	9.683698106	31.22168382
17.6536816				
SNORA13	SNORA13	8.33342551	8.803361914	0 13.73064124
SNORA75	SNORA75	31.25034566	34.33311147	22.30120273
31.38432284				
NUMB	NUMB	4790.67799	4145.503125	4328.663449
4691.956264				
SYTL2	SYTL2	2037.522537	3431.550474	1013.589664
1756.541319				
RPL23AP64	RPL23AP64		10.41678189	8.803361914
17.84096218	26.48052239			
SNORD6	SNORD6	1.041678189	3.521344766	0 5.884560532
TOB2P1	TOB2P1	5.208390943	3.521344766	0 2.942280266
SNORA16A	SNORA16A		7.291747321	7.042689532
2.230120273	22.55748204			
RRP7B	RRP7B	555.2144746	797.5845894	783.8872758
1165.142985				
ASAH1	ASAH1	2178.149093	1462.238414	2710.711191
1719.272435				
STX4	STX4	733.3414448	1081.052843	973.447499
946.4334856				
ATP7A	ATP7A	966.6773591	1287.931848	1536.552868
1186.719707				
CRTC3	CRTC3	2821.906213	4528.449369	3947.312882
3159.028246				
CYP2C9	CYP2C9	1.041678189	0 0	3.923040355
NDUFB6	NDUFB6	4230.255124	4809.276614	3590.493639
4105.461731				
RALGPS1	RALGPS1	72.91747321	95.07630868	59.09818722
162.8061747				
NDUFS1	NDUFS1	9114.684151	7209.073072	7105.163188
6479.881906				
ZNF275	ZNF275	1200.013273	1377.72614	1332.496863
1121.008781				
SWI5	SWI5	805.2172399	726.2773579	622.203556
675.7437011				
GLRA3	GLRA3	0 0	1.115060136	0
ADAM12	ADAM12	86.45928966	780.8582018	51.29276627
625.7249366				
TRIP10	TRIP10	913.5517715	756.2087884	1257.787834
1301.468638				
IFI27	IFI27	1110.428949	364.4591833	401.4216491
532.5527281				
HELLS	HELLS	3462.538299	3648.993514	2038.329929
2639.225399				
FAM220A	FAM220A	130.2097736	273.7845555	199.5957644
153.9793339				
NF2	NF2	5441.726858	7422.11443	3991.915288
4867.51232				
ZNF146	ZNF146	8332.383831	6444.941258	10972.19174

7840.196149				
MTFR1L	MTFR1L	3045.867024	2327.60889	2768.694318
2780.454851				
ACACA	ACACA	673.9657881	2425.326207	936.6505145
1644.734669				
FBRSL1	FBRSL1	117.7096353	305.4766584	170.6042008
218.7094998				
KHK	KHK	1160.429502	752.6874437	976.7926794
747.3391876				
CENPW	CENPW	2710.446647	3148.082221	1669.245024
1855.598088				
HAGH	HAGH	2808.364397	2141.857954	2284.758219
2293.997847				
FBX018	FBX018	5981.31616	5282.017149	6586.660225
6143.481195				
ARPP21	ARPP21	0	0.880336191	0
MBD1	MBD1	4612.55102	4152.545815	4607.428483
4355.555554				
PDCD2	PDCD2	8400.092914	5571.647756	7428.530628
6380.825137				
PI4KA	PI4KA	4479.216211	7681.813606	5174.994092
5540.313741				
PRB2	PRB2	0	0	1.961520177
ARHGAP23	ARHGAP23		7.291747321	45.77748195
72.47890886		48.05724434		
SPON2	SPON2	11.45846008	22.88874098	23.41626286
11.76912106				
C7orf43	C7orf43	137.5015209	450.73213	196.250584
226.5555805				
STAT2	STAT2	8286.549991	6849.015569	13653.91137
8575.766215				
ST5	ST5	16.66685102	13.20504287	12.2656615
8.826840798				
MTHFD1L	MTHFD1L	4517.758304	3559.199222	3926.12674
4193.730139				
COMT	COMT	4988.596846	3680.685616	3301.693063
3575.851283				
COMMD2	COMMD2	2529.194642	2339.933597	2596.975057
2636.283118				
ATPIF1	ATPIF1	8579.261562	8946.856714	6945.709589
7237.028694				
MIR3973	MIR3973	0	0	2.942280266
MIR548AN	MIR548AN		0	8.92048109
0.980760089				
MIR4534	MIR4534	0	0	1.115060136
RAB11FIP2	RAB11FIP2		389.5876426	411.9973376
719.2137879		652.205459		
ITSN2	ITSN2	5404.226443	4833.045691	6817.477673
5131.336784				
STK38L	STK38L	2811.489431	2950.886914	2319.325083

2487.207585					
FAM3C	FAM3C	3469.830047	3833.864114	2140.915462	
2349.901172					
NSA2	NSA2	3470.871725	2493.99243	2833.367806	
2372.458654					
ANAPC10	ANAPC10	2502.111009	2002.764836	2040.560049	
2003.692861					
SFRP1	SFRP1	0	7.042689532	0	0.980760089
TMUB2	TMUB2	1816.686761	1661.194393	2030.524508	
1884.04013					
TDP1	TDP1	7526.124913	6358.668311	5606.522365	
6844.724659					
DDC	DDC	11.45846008	15.84605145	10.03554123	
11.76912106					
HIP1	HIP1	283.3364673	463.0568367	236.3927489	
195.1712576					
INPP5F	INPP5F	1715.643977	1532.665309	1598.996235	
1745.752958					
PCDHA5	PCDHA5	0	0	0	0.980760089
DNAH7	DNAH7	5.208390943	4.401680957	7.805420954	0
PRDM6	PRDM6	0	0	3.345180409	0
FGFR10P2	FGFR10P2		4983.388455	4009.931352	
6166.282554		3913.232754			
MCF2	MCF2	0	1.760672383	0	0
C6orf89	C6orf89	6437.571206	5873.603069	5174.994092	
5142.125145					
TBC1D4	TBC1D4	4196.921422	3068.851963	5272.004324	
6579.919435					
MAP3K7CL	MAP3K7CL		121.8763481	125.0077392	
207.4011853		212.8249392			
STK24	STK24	13578.27519	12351.11677	11833.01817	
12019.21489					
NBL1	NBL1	272.9196854	734.2003837	733.7095697	
647.3016585					
POLE2	POLE2	2839.614742	2606.675463	1527.632387	
2006.635141					
ELF5	ELF5	0	0.880336191	0	0
ELF4	ELF4	1279.180816	1917.372225	1772.945617	
1319.122319					
ELAVL1	ELAVL1	8879.26488	10783.23801	6997.002355	
8147.174057					
HMGCL	HMGCL	2050.022675	1690.245488	1910.098013	
2012.519702					
NPAS3	NPAS3	0	0	0	2.942280266
RASSF8	RASSF8	5.208390943	27.29042193	0	23.53824213
PUM1	PUM1	7577.167145	7712.625373	9266.149732	
8959.24341					
BCL2L11	BCL2L11	2175.024058	4117.332367	3788.974343	
3587.620404					
TADA1	TADA1	2306.27551	1955.226681	2758.658777	

2446.996421					
CNTR0B	CNTR0B	2869.82341	2432.368897	2147.605822	
2487.207585					
CASZ1	CASZ1	180.2103266	401.4333033	369.0849051	
270.6897845					
C1orf35	C1orf35	1237.513688	1013.266956	1284.549277	
1246.546073					
PTK7	PTK7	30.20866747	209.5200136	7.805420954	
88.26840798					
TRAIP	TRAIP	1596.892663	1560.836067	903.1987104	
1208.296429					
SF3A1	SF3A1	4234.421837	7862.282526	6026.900037	
5028.356975					
SMNDC1	SMNDC1	1767.727886	1795.885831	1823.123323	
1545.6779					
SAP18	SAP18	10525.11642	9019.044281	11325.6658	
9302.509441					
FHL1	FHL1	331.253664	380.3052347	854.1360644	
976.8370483					
CELF6	CELF6	0	45.71746559	28.44204257	
PARVB	PARVB	400.0044245	1162.043773	366.8547848	
447.2266004					
LLGL2	LLGL2	636.4653733	663.7734883	677.9565628	
1026.855813					
SYK	SYK	8.33342551	138.2127821	0	104.9413295
VAR2	VAR2	0	58.98252483	0	53.94180488
SRPX	SRPX	0	0	4.903800443	
PALLD	PALLD	194.7938213	1048.480404	127.1168555	
611.0135352					
YY1AP1	YY1AP1	5387.559592	4589.192566	4276.255623	
3834.771947					
EIF4E3	EIF4E3	5402.143087	5823.423906	6104.954246	
5389.276687					
LOC100506787	LOC100506787		1.041678189	0	0
1.961520177					
TMEM256	TMEM256	1090.637064	1430.546311	854.1360644	
942.5104452					
MEIOB	MEIOB	20.83356377	5.282017149	6.690360818	
10.78836098					
ZNF805	ZNF805	332.2953422	360.0575023	948.916176	
551.1871698					
EML4	EML4	8617.803655	7508.387377	7067.251144	
8208.961942					
CREBZF	CREBZF	3646.915339	4599.7566	4246.148999	
4650.76434					
LINS	LINS	1710.435586	1455.195724	3326.224386	
2295.959368					
MMP28	MMP28	1.041678189	7.042689532	15.61084191	
0.980760089					
MIR23B	MIR23B	0	0	0	0.980760089

MIR15B	MIR15B	2.083356377	6.16235334	3.345180409	
2.942280266					
MIR941-3	MIR941-3	0	2.641008574	0	
0.980760089					
SRRT	SRRT	12011.59119	10960.18558	8871.418444	
9956.67642					
RTBDN	RTBDN	0	0	1.115060136	0.980760089
CDK20	CDK20	42.70880574	38.73479242	201.8258847	
164.7676949					
PCSK1	PCSK1	1.041678189	0	0	1.961520177
PAX3	PAX3	0	0	2.230120273	0
ADAM21P1	ADAM21P1	0	0	2.230120273	0
SF3B2	SF3B2	9420.937539	11454.93452	10550.69901	
9895.869295					
IMMT	IMMT	15218.91834	13467.38306	13435.35958	
14490.73031					
METAP2	METAP2	4640.676331	4112.930686	4349.849592	
4195.691659					
RAB32	RAB32	21.87524196	434.8860786	24.531323	
130.4410918					
CAPN15	CAPN15	550.0060836	1804.689192	666.8059615	
755.1852683					
ALDH6A1	ALDH6A1	1448.97436	1643.587669	1478.569741	
1717.310915					
GTF2H3	GTF2H3	2464.610594	2383.950406	2231.235333	
2576.456753					
HIST2H2BE	HIST2H2BE		193.7521431	124.127403	
538.5740458	265.785984				
ATXN2	ATXN2	2187.524196	2035.337275	2185.517867	
2275.363406					
SEMA4G	SEMA4G	441.671552	402.3136395	541.9192262	
469.7840825					
SH2D2A	SH2D2A	6375.070515	6532.09454	5265.313963	
7969.656481					
ID1	ID1	17.70852921	31.69210289	23.41626286	
39.23040355					
SLX1B	SLX1B	61.45901313	72.1875677	92.54999131	
75.51852683					
CLYBL	CLYBL	116.6679571	154.0588335	249.7734705	
402.1116364					
HDAC4	HDAC4	419.79631	1102.180912	800.6131778	
787.5503512					
MEF2D	MEF2D	1363.556749	2392.753768	2028.294388	
2116.480271					
TNRC6A	TNRC6A	516.6723816	1095.138222	858.5963049	
701.2434634					
ILF3	ILF3	11607.42006	13360.86238	9605.128014	
10494.13295					
MID2	MID2	219.7940978	230.6480822	731.4794494	
595.3213738					

MGAT4A	MGAT4A	3177.118476	3588.250316	6819.707793
4964.607569				
MLYCD	MLYCD	1172.92964	882.0968638	972.3324388
1058.240136				
PTGR1	PTGR1	27.08363291	16.72638764	14.49578177
28.44204257				
KIN	KIN	1019.802947	979.8141811	934.4203942
988.6061694				
SIRT4	SIRT4	67.70908227	66.02521436	169.4891407
104.9413295				
GNLY	GNLY	3598.998142	14772.04129	389.1559876
4290.825388				
BEX2	BEX2	130.2097736	205.9986688	1360.373366
835.6075955				
TTC16	TTC16	90.62600242	102.1189982	115.9662542
81.40308736				
ZNF550	ZNF550	434.3798047	449.8517938	1534.322748
1009.202131				
HSP90AB1	HSP90AB1		90504.12607	68670.62461
114525.5965	110404.1632			
HOMER1	HOMER1	142.7099119	209.5200136	304.4114172
337.3814705				
ZNF620	ZNF620	383.3375734	387.3479242	410.3421301
297.1703069				
ATF7IP2	ATF7IP2	713.5495593	734.2003837	682.4168034
718.897145				
SDHD	SDHD	10794.91107	8169.519857	10159.3129
8823.898518				
KLHL13	KLHL13	38.54209298	90.67462772	44.60240545
116.7104506				
NLRC3	NLRC3	5072.972779	6551.461937	2468.743142
3494.448196				
DEF8	DEF8	1979.188559	1221.906634	1721.65285
1521.158898				
NRF1	NRF1	2457.318847	2139.216945	2242.385934
2013.500462				
CACNA1F	CACNA1F	2.083356377	6.16235334	43.48734531
16.67292151				
TENC1	TENC1	32.29202385	33.45277527	110.3909535
87.28764789				
LDLRAD4	LDLRAD4	1871.895705	1302.897563	1664.784783
1688.868873				
TMEM91	TMEM91	188.5437522	181.3492554	248.6584104
208.9018989				
ZGLP1	ZGLP1	32.29202385	22.88874098	23.41626286
35.30736319				
HNRNPF	HNRNPF	35081.63804	31025.68839	31601.91932
31672.6663				
LOXHD1	LOXHD1	0	1.760672383	0
0.980760089				
FOXP2	FOXP2	8.33342551	0	11.15060136
1.961520177				

DDR1	DDR1	0	0.880336191	0	0	
UBE3A	UBE3A	7117.787063	6541.778239	7807.651074		
7732.312539						
USP50	USP50	36.4587366	44.89714576	47.94758586		
27.46128248						
KEAP1	KEAP1	10767.82744	7607.865366	8672.93774		
6330.806372						
PCDH9	PCDH9	0	17.60672383	1.115060136	8.826840798	
DGCR5	DGCR5	1.041678189	1.760672383	0	12.74988115	
FSD2	FSD2	221.8774542	127.6487478	244.1981698		
208.9018989						
CNEP1R1	CNEP1R1	2744.822027	2186.7551	2324.900384		
2170.422076						
MRFAP1	MRFAP1	4881.303992	4851.532751	6854.274658		
5570.717304						
PGAP3	PGAP3	720.8413066	474.5012072	757.1258325		
594.3406137						
NPHP4	NPHP4	458.338403	734.2003837	385.8108071		
549.2256497						
SAR1A	SAR1A	5600.061942	4941.327043	7493.204116		
6042.462906						
THAP10	THAP10	13.54181645	7.042689532	15.61084191		
18.63444168						
PRSS23	PRSS23	1525.016868	1906.808191	515.157783		
428.5921587						
KRT23	KRT23	3.125034566	1.760672383	13.38072164	0	
PNLDC1	PNLDC1	6.250069132	13.20504287	22.30120273		
3.923040355						
ZNF138	ZNF138	633.3403387	701.6279446	1058.192069		
763.031349						
WNT6	WNT6	0	0	4.460240545	10.78836098	
BUB1	BUB1	16980.39615	17425.37457	6857.619838		
9328.009203						
GLS2	GLS2	50.00055306	76.58924866	404.7668295		
532.5527281						
FAM103A1	FAM103A1		2097.939872	1573.160774		
1807.512481	1414.256048					
PPIL2	PPIL2	5133.390114	4786.387873	4152.483947		
4436.958641						
H2AFJ	H2AFJ	1042.719867	1543.229344	704.7180061		
766.9543893						
KCTD20	KCTD20	12003.25777	12520.14131	7732.942045		
9339.778324						
LINC00971	LINC00971		0	0	0	0.980760089
ARHGEF26	ARHGEF26		19.79188559	36.97412004		
25.64638313	8.826840798					
KIFC1	KIFC1	32.29202385	35.21344766	49.062646		
18.63444168						
BRE	BRE	3927.126771	3096.142385	3334.029807		
3676.869572						

ZNF195	ZNF195	1653.143285	1568.759093	1937.974517	
1776.156521					
B3GNT9	B3GNT9	778.133607	748.2857627	604.3625939	
386.4194749					
UCP1	UCP1	2.083356377	0	0	
HES4	HES4	1.041678189	2.641008574	14.49578177	
12.74988115					
KCNN3	KCNN3	6.250069132	7.923025723	45.71746559	
8.826840798					
GAR1	GAR1	1763.561173	1836.381295	1559.969131	
1534.889539					
ODF2	ODF2	6589.656222	6190.524098	5083.559161	
6316.094971					
ARHGDI1	ARHGDI1	6088.609013	11973.45254	5115.895905	
5161.740347					
ABCB9	ABCB9	85.41761147	39.61512861	119.3114346	
106.9028497					
CINP	CINP	1948.979891	1348.675045	1707.157069	
1731.041557					
LNX1	LNX1	92.70935879	83.63193819	126.0017954	
101.0182891					
PSMB8-AS1	PSMB8-AS1		0	1.115060136	0
CNDP2	CNDP2	9429.270964	8085.887918	10469.29962	
10392.1339					
RUNDC3A	RUNDC3A	4.166712755	11.44437049	10.03554123	
7.846080709					
RUSC2	RUSC2	93.75103698	139.0931182	90.31987104	
193.2097375					
TNFSF4	TNFSF4	751.0499741	143.4947992	2197.783529	
607.0904949					
MYO9B	MYO9B	2562.528344	4962.455111	2551.257592	
2877.5501					
CBWD6	CBWD6	119.7929917	86.27294676	108.1608332	
124.5565313					
TUBA8	TUBA8	44.79216211	36.97412004	137.1523968	
86.3068878					
RPS12	RPS12	6720.907673	9344.768672	14605.05766	
10398.01846					
STRA6	STRA6	9.375103698	0.880336191	1.115060136	0
KIAA1522	KIAA1522		21.87524196	10.5640343	
7.805420954					
PREPL	PREPL	2223.982933	2714.956814	3695.309292	
4070.154368					
CCPG1	CCPG1	2400.026547	1874.235752	2454.24736	
2019.385023					
ELOVL5	ELOVL5	14528.2857	14419.02648	11625.61698	
10613.78568					
CCR9	CCR9	1.041678189	0	30.10662368	45.11496408
KPTN	KPTN	530.214198	606.5516359	355.7041835	
406.0346767					

CACNA1G	CACNA1G	0	0	0	0.980760089
USP43	USP43	0	11.44437049	3.345180409	23.53824213
CD2	CD2	37755.62595	33568.09932	21748.1329	
		30083.83496			
DDX56	DDX56	9508.438506	5725.706589	8846.887121	
		8854.30208			
SLC35G1	SLC35G1	382.2958953	465.6978453	326.7126199	
		355.0351521			
PXK	PXK	2787.530833	3555.677877	2291.44858	
		2513.688107			
CTBP2	CTBP2	10.41678189	12.32470668	21.18614259	
		40.21116364			
SLC1A3	SLC1A3	0	2.641008574	10.03554123	1.961520177
WT1	WT1	0	3.521344766	0	0
NODAL	NODAL	5.208390943	5.282017149	20.07108245	
		9.807600887			
CENPU	CENPU	5659.437599	5406.144552	2860.12925	
		3855.367909			
GSN	GSN	206.2522814	370.6215366	249.7734705	
		241.2669818			
SHOX2	SHOX2	0	1.760672383	0	0
BCAT1	BCAT1	973.9691064	8095.571616	824.0294407	
		4549.746051			
LOX	LOX	3.125034566	14.96571525	12.2656615	
		7.846080709			
KIFAP3	KIFAP3	3876.08454	2716.717487	3355.21595	
		2505.842027			
STAT6	STAT6	4259.422114	6365.711	9396.611768	
		12132.0023			
FAM185A	FAM185A	475.005254	319.5620375	489.5113998	
		564.9178111			
CDK1	CDK1	17747.0713	15581.07025	11120.49474	
		12979.37901			
ZFY	ZFY	0	1250.077392	0	1346.583602
SLC35C1	SLC35C1	1220.846837	1105.702256	1605.686596	
		1146.508544			
NT5C3A	NT5C3A	3683.374075	2537.128904	4735.660399	
		2714.743925			
KRT72	KRT72	0	0	0	8.826840798
IL1R2	IL1R2	1688.560344	248.254806	1187.539045	
		921.9144833			
FNTA	FNTA	7379.248289	5105.94991	6781.795749	
		6415.15174			
PPP1R1C	PPP1R1C	0	2.641008574	0	3.923040355
MLIP	MLIP	0	0	1.115060136	0
FAM131B	FAM131B	4.166712755	36.09378385	40.14216491	
		37.26888337			
JADE1	JADE1	3214.61889	2676.222022	4484.771868	
		3122.740122			
CEBPA	CEBPA	42.70880574	70.42689532	28.99156354	

39.23040355						
TCTEX1D4	TCTEX1D4		306.2533875		157.5801783	
365.7397247	281.4781454					
ADAMTSL2	ADAMTSL2		0	0	6.690360818	
13.73064124						
FAM133A	FAM133A	1.041678189	0	3.345180409	0	
KDF1	KDF1	0	0.880336191	120.4264947	37.26888337	
LMF1	LMF1	306.2533875	290.5109432	522.9632039		
604.1482146						
LOC645513	LOC645513		462.5051158	545.8084387		
550.8397073	654.1669791					
CCNT2-AS1	CCNT2-AS1		36.4587366	42.25613719		
75.82408927	44.13420399					
LINC00940	LINC00940		1.041678189	0	0	0
MIR4687	MIR4687	108.3345316	251.7761508	105.9307129		
126.5180514						
MIR4685	MIR4685	12.50013826	14.08537906	13.38072164		
10.78836098						
MIR4681	MIR4681	8.33342551	3.521344766	2.230120273		
4.903800443						
MIR4680	MIR4680	533.3392326	383.8265795	2308.174482		
1678.080512						
MIR6509	MIR6509	0	1.115060136	0		
RARS2	RARS2	2704.196578	2486.949741	2526.726269		
2854.992618						
BIVM	BIVM	1895.854303	1958.748026	767.1613738		
1275.968875						
PCDHGC5	PCDHGC5	4.166712755	4.401680957	33.45180409		
10.78836098						
FLJ46906	FLJ46906		5.208390943	11.44437049		0
7.846080709						
GABRB3	GABRB3	0	0	0	9.807600887	
NFATC1	NFATC1	2601.070437	3788.966968	4103.421301		
6156.231077						
HJURP	HJURP	9007.391298	7030.364825	3513.554489		
5293.162199						
EIF4E2	EIF4E2	8000.088489	7375.456612	5549.654298		
6320.998771						
PABPC4	PABPC4	814.5923436	1493.930517	1096.104114		
1060.201656						
SLC01C1	SLC01C1	0	0.880336191	0	0	
CXorf56	CXorf56	985.4275665	812.5503047	1090.528813		
982.7216088						
SLC14A1	SLC14A1	39.58377117	7.923025723	47.94758586		
29.42280266						
SLC23A3	SLC23A3	8.33342551	30.8117667	25.64638313		
22.55748204						
RHBDD2	RHBDD2	5597.978586	4238.818762	5986.757872		
4394.785957						
TRPC4AP	TRPC4AP	13360.56445	10284.08739	9631.889457		

10729.51537					
NOP10	NOP10	9383.437124	9683.698106	7839.987818	
8333.518473					
DHRS1	DHRS1	545.8393709	471.8601986	462.7499566	
570.8023716					
MICA	MICA	136.4598427	147.016144	204.0560049	
180.4598563					
TAZ	TAZ	1923.979615	1996.602482	1673.705265	
2119.422552					
CCL17	CCL17	29.16698928	0	226.3572077	0
CCL3	CCL3	5187.55738	11001.56138	4356.539952	
15692.16142					
SMARCE1	SMARCE1	10863.66183	9551.647677	7860.058901	
8959.24341					
XYLB	XYLB	405.2128154	428.7237252	402.5367092	
410.9384772					
PLCH2	PLCH2	16.66685102	43.13647338	11.15060136	
118.6719707					
OR1A1	OR1A1	0	0	0.980760089	
MFGE8	MFGE8	161.4601192	617.1156702	149.4180583	
165.748455					
SRPK3	SRPK3	2.083356377	14.08537906	1.115060136	
2.942280266					
LHX6	LHX6	4.166712755	1.760672383	0	2.942280266
KIR2DS5	KIR2DS5	0	6.690360818	0	
TM9SF3	TM9SF3	11983.46588	12693.56754	11671.33445	
11510.2004					
SERHL2	SERHL2	154.1683719	232.4087545	284.3403347	
360.9197126					
N4BP2L2-IT2	N4BP2L2-IT2	17.84096218	17.70852921	0.880336191	
17.84096218		19.61520177			
PHLDB1	PHLDB1	30.20866747	22.88874098	92.54999131	
86.3068878					
DUS3L	DUS3L	4000.044245	2780.101693	2877.970212	
3143.336084					
CYP2U1	CYP2U1	416.6712755	485.9455777	554.1848877	
465.8610421					
SLAIN1	SLAIN1	4045.878085	3748.471503	3248.170177	
3609.197126					
ZNRD1	ZNRD1	1.041678189	1719.296582	2.230120273	
1397.583126					
ULK3	ULK3	4056.294867	4430.732052	2883.545512	
4744.917309					
CYFIP2	CYFIP2	25562.78275	23454.79715	26533.971	
27971.27773					
LIMS1	LIMS1	5919.857146	6449.342938	3064.185254	
5044.049136					
SSPN	SSPN	0	0	9.807600887	
AOC2	AOC2	57.29230038	80.11059342	85.85963049	
34.3266031					

MY06	MY06	227.0858451	328.3653994	464.9800768	
377.5926341					
ST20	ST20	401.0461026	445.4501129	257.5788915	
376.611874					
PRR4	PRR4	34.37538023	28.17075813	24.531323	
42.17268381					
AC02	AC02	17135.6062	12638.9867	11732.66275	
13669.83412					
MIRLET7B	MIRLET7B		0 0	5.575300681	0
POU5F1	POU5F1	4.166712755	4.401680957	0 0	
LST1	LST1	7.291747321	0.880336191	3.345180409	
2.942280266					
MROH7	MROH7	0 0	0 0.980760089		
SCIMP	SCIMP	12.50013826	7.923025723	25.64638313	
14.71140133					
RSRC1	RSRC1	1173.971319	1218.385289	795.0378772	
1095.509019					
GCSAML	GCSAML	0 6.16235334	0	39.23040355	
LFNG	LFNG	165.626832	249.1351422	79.16926967	
67.67244612					
TNRC6B	TNRC6B	2110.44001	2310.002166	3931.70204	
3007.991192					
PRKAG2	PRKAG2	1314.597874	1233.351004	2356.122068	
1888.943931					
PPP1R18	PPP1R18	0 0.880336191	1.115060136	0	
HOGA1	HOGA1	1.041678189	0 0	0	
KCNQ3	KCNQ3	3.125034566	9.683698106	0 9.807600887	
SEC61G	SEC61G	5578.1867	6118.33653	4765.767022	
4673.321823					
TMEM218	TMEM218	1243.763757	1287.051512	975.6776192	
1044.509494					
NBPF8	NBPF8	416.6712755	752.6874437	559.7601884	
561.9755308					
CD33	CD33	127.084739	6.16235334	66.90360818	
16.67292151					
LEKR1	LEKR1	31.25034566	50.17916291	78.05420954	
50.01876452					
UNG	UNG	5808.39758	5602.459522	5032.266395	
5468.718254					
FAM83D	FAM83D	2401.068225	2003.645172	1287.894457	
1538.812579					
FIP1L1	FIP1L1	6732.366134	5369.170432	4965.362787	
5408.891889					
CHKA	CHKA	1409.390589	965.728802	1203.149887	
909.1646022					
S1PR1	S1PR1	12662.64006	14868.87827	8514.599201	
8488.478567					
CHGA	CHGA	0 0.880336191	6.690360818	0.980760089	
HLA-A	HLA-A	65618.43414	83479.64003	85973.36663	
107179.424					

SC01	SC01	3664.623868	2714.076478	2796.570822	
2840.281217					
KLHL41	KLHL41	10.41678189	8.803361914	22.30120273	
6.865320621					
EGR1	EGR1	531.2558762	823.9946752	813.9938995	
1940.924215					
GLRX	GLRX	5949.024136	5090.984195	3646.246646	
3151.182165					
EGF	EGF	0	0	2.230120273	0
RNH1	RNH1	8561.553033	6633.333202	10053.38219	
9941.965019					
SLC2A5	SLC2A5	21.87524196	18.48706002	0	1.961520177
RNF4	RNF4	13044.93596	10748.02456	12721.72109	
10823.66834					
SEMA3F	SEMA3F	0	1.760672383	0	0
EDN1	EDN1	0	0.880336191	0	0
PPP4R1	PPP4R1	2704.196578	2526.564869	1712.732369	
2071.365307					
CA7	CA7	5.208390943	7.923025723	0	23.53824213
CA3	CA3	0	0.880336191	5.575300681	3.923040355
TRMT6	TRMT6	2321.900683	1662.074729	2080.702214	
2183.171957					
AKAP1	AKAP1	3435.454666	2287.113425	2923.687677	
3001.125871					
GRAMD1B	GRAMD1B	2784.405798	4958.933766	987.9432807	
1813.425404					
ARNTL2	ARNTL2	4524.008374	3510.780731	2029.409448	
1770.27196					
HIPK3	HIPK3	2418.776754	3723.82209	3673.008089	
3350.276463					
AKT1S1	AKT1S1	426.0463792	507.0736463	540.8041661	
466.8418022					
ZNF205	ZNF205	42.70880574	19.36739621	47.94758586	
14.71140133					
ADAM29	ADAM29	0	7.923025723	5.575300681	2.942280266
ZNF112	ZNF112	0	4.401680957	24.531323	6.865320621
LOC401010	LOC401010		10.41678189	5.282017149	
16.72590204	7.846080709				
ZNF839	ZNF839	661.4656498	660.2521436	544.1493465	
689.4743423					
PTGS1	PTGS1	19.79188559	6.16235334	0	13.73064124
ATF2	ATF2	5179.223954	5553.160696	4782.492924	
4842.993318					
THSD1	THSD1	0	11.44437049	18.95602232	11.76912106
GAS2L1	GAS2L1	69.79243864	208.6396774	14.49578177	
70.61472638					
FXD1	FXD1	3.125034566	9.683698106	8.92048109	
9.807600887					
CCDC144CP	CCDC144CP		4.166712755	3.521344766	
1.115060136	6.865320621				

ICOSLG	ICOSLG	265.6279381	349.493468	154.9933589	
134.3641321					
IL1RAP	IL1RAP	1073.970213	1228.068987	703.602946	
591.3983335					
MROH8	MROH8	1110.428949	791.4222361	774.9667947	
729.685506					
PDHA1	PDHA1	7468.832613	5494.178171	6612.306608	
7765.658382					
IFT22	IFT22	517.7140598	421.6810357	398.0764686	
372.6888337					
LINC00669	LINC00669		1.041678189	9.683698106	0
0.980760089					
M1AP	M1AP	7.291747321	5.282017149	2.230120273	
8.826840798					
EMC1	EMC1	5018.805513	3978.239249	4381.071275	
4142.730615					
FKBP6	FKBP6	0	0	1.115060136	0
TREX1	TREX1	3248.994271	2655.093953	3867.028553	
3060.952237					
SCMH1	SCMH1	637.5070515	803.7469428	582.0613911	
792.4541516					
JKAMP	JKAMP	6117.776002	4391.116923	4518.223672	
3962.270758					
MED30	MED30	2144.815391	2293.275779	2027.179328	
1835.002126					
KCNB1	KCNB1	0	0.880336191	0	
PIR-FIGF	PIR-FIGF		681.2575354	337.1687613	
123.7716751		80.42232727			
IL17RC	IL17RC	103.1261407	144.3751354	198.4807043	
165.748455					
MYNN	MYNN	2383.359696	1813.492554	2601.435298	
2254.767444					
DDX39B	DDX39B	3.125034566	9.683698106	3.345180409	
4.903800443					
C21orf62	C21orf62		3.125034566	0.880336191	
6.690360818		4.903800443			
BEX4	BEX4	537.5059454	582.7825587	2124.18956	
1494.678375					
RPEL1	RPEL1	0	0.880336191	1.115060136	0
IMPDH1	IMPDH1	6027.15	5098.026885	4181.475511	5634.466709
TSP02	TSP02	0	4.401680957	5.575300681	0.980760089
ARAP1	ARAP1	3306.286571	4398.159612	4170.32491	
4308.47907					
PDE8B	PDE8B	4.166712755	13.20504287	33.45180409	
22.55748204					
SUC0	SUC0	1582.309169	1660.314057	3257.090658	
1861.482648					
C18orf54	C18orf54		952.0938645	1088.975869	
650.0800594		590.4175734			
ELAC1	ELAC1	972.9274282	762.3711418	1034.775806	

945.4527255					
CCDC7	CCDC7	160.4184411	197.1953069	188.445163	
221.65178					
TSPAN5	TSPAN5	3392.745861	4107.648669	2123.074499	
2959.933948					
CNOT4	CNOT4	1900.021016	1614.536575	2888.005753	
1701.618754					
1-Dec	1-Dec	1.041678189	3.521344766	0	1.961520177
TMED9	TMED9	8566.761424	4676.345849	6828.628274	
5046.010656					
SHANK2	SHANK2	0	0	1.115060136	0
LRPPRC	LRPPRC	10958.45455	9674.894744	11017.90921	
10378.40326					
HSPA8	HSPA8	201264.7262	110265.6293	223045.4791	
154510.9059					
IGF2BP3	IGF2BP3	29.16698928	33.45277527	7.805420954	
40.21116364					
GTDC1	GTDC1	1914.604511	1925.295251	927.7300334	
1717.310915					
SYPL2	SYPL2	0	2.641008574	0	0
TMEM150A	TMEM150A		218.7524196	148.7768164	
438.2186336	514.8990466				
EPN1	EPN1	388.5459644	914.6693029	375.7752659	
348.1698315					
SKAP1	SKAP1	5463.6021	5565.485402	3941.737582	
6019.905424					
ANKRD30B	ANKRD30B		1.041678189	0	1.115060136
0					
PLEC	PLEC	3255.24434	4750.294089	2563.523253	
2618.629437					
TAF1C	TAF1C	704.1744556	1354.837399	774.9667947	
1154.354624					
MYH14	MYH14	0	0	1.115060136	0
LOC81691	LOC81691		791.6754234	917.3103115	
568.6806695	787.5503512				
ZNF502	ZNF502	22.91692015	16.72638764	166.1439603	
168.6907353					
MIEF2	MIEF2	519.7974162	541.4067577	576.4860904	
496.2646049					
OR4N2	OR4N2	0	0	3.345180409	0
ZSCAN2	ZSCAN2	456.2550466	465.6978453	548.609587	
505.0914457					
C9orf131	C9orf131		36.4587366	19.36739621	
117.0813143	30.40356275				
GXYLT2	GXYLT2	1.041678189	12.32470668	0	10.78836098
PPM1N	PPM1N	88.54264604	67.78588674	82.51445008	
105.9220896					
STAG3L5P-PVRIG2P-PILRB	STAG3L5P-PVRIG2P-PILRB			1823.978508	
2339.933597	2027.179328		3118.817082		
WHAMMP1	WHAMMP1	50.00055306	32.57243908	411.4571903	

318.7470288				
CCDC144B	CCDC144B		335.4203768	435.7664148
286.570455	611.9942953			
MROH6 MROH6	8.33342551		38.73479242	11.15060136
13.73064124				
KLHL35 KLHL35	22.91692015		13.20504287	39.02710477
40.21116364				
CD74 CD74	61621.51493		77103.36499	37195.06097
33398.80406				
PLEKHB2 PLEKHB2	17627.27831		12829.13932	13520.10415
11459.20088				
DNAJA3 DNAJA3	9207.39351		6085.764091	9430.063572
8144.231776				
ENPP2 ENPP2	570.8396474		2679.743367	554.1848877
1303.430158				
ATP4B ATP4B	0 0.880336191	0	0	0
CELA1 CELA1	5.208390943		28.17075813	12.2656615
4.903800443				
IL10 IL10	2513.569469		3489.652663	1229.91133
1243.603792				
POU1F1 POU1F1	0 0	0	0.980760089	
HOXA10 HOXA10	1.041678189		1.760672383	8.92048109
6.865320621				
SPATA22 SPATA22	1.041678189		7.923025723	3.345180409
6.865320621				
MBNL3 MBNL3	428.1297356		919.0709839	764.9312535
727.7239858				
PLEKHH1 PLEKHH1	155.2100501		88.03361914	235.2776888
175.5560559				
TAOK1 TAOK1	443.7549084		806.3879514	883.1276279
617.8788559				
CARD6 CARD6	643.7571206		535.2444044	344.5535821
414.8615175				
GPR126 GPR126	0 8.803361914	27.87650341		20.59596186
WDR35 WDR35	512.5056688		541.4067577	595.4421128
719.8779051				
PPP1R9A PPP1R9A	0 0		4.460240545	1.961520177
TMEM200A	TMEM200A		393.7543553	288.7502708
392.501168	272.6513047			
PJA1 PJA1	1466.68289		1549.391697	2621.50638
2351.862693				
GPRIN1 GPRIN1	594.7982457		714.8329874	380.2355065
614.9365756				
INSL3 INSL3	269.7946509		235.0497631	325.5975598
320.708549				
LOC729683	LOC729683		272.9196854	344.2114509
360.164424	449.1881206			
MIR3127 MIR3127	1.041678189	0	0	0
AIFM3 AIFM3	6.250069132		3.521344766	11.15060136
2.942280266				

XRR1	XRR1	1917.729545	704.2689532	2608.125659	
936.6258847					
TMC8	TMC8	4986.513489	6020.619213	2338.281106	
3879.886911					
POLR2H	POLR2H	4465.674395	3913.974707	3681.92857	
4166.268857					
FMN1	FMN1	0	2.641008574	69.13372845	0
PTPRCAP	PTPRCAP	23039.83818	21839.38024	8469.996795	
13517.8163					
NAA20	NAA20	6952.160231	5120.035289	5695.727176	
5866.90685					
MIR3618	MIR3618	84.37593328	66.90555055	91.43493117	
51.9802847					
MIR3615	MIR3615	1530.225259	1214.863944	450.4842951	
583.5522528					
RPS18P9	RPS18P9	22.91692015	17.60672383	32.33674395	
36.28812328					
IL13RA1	IL13RA1	21.87524196	18.48706002	2.230120273	
78.46080709					
TMEM262	TMEM262	33.33370204	47.53815434	63.55842777	
47.07648426					
RPA2	RPA2	17456.44309	10419.65916	14939.57571	
12504.69113					
UQCRH	UQCRH	9437.60439	9234.726648	6319.045792	
6492.631787					
DOCK7	DOCK7	225.0024888	725.3970217	477.2457383	
704.1857437					
HLA-D0B	HLA-D0B	15.62517283	0	1.115060136	0
SLC28A2	SLC28A2	8.33342551	1.760672383	10.03554123	
3.923040355					
MIR27A	MIR27A	0	0	1.115060136	0
LOC388692	LOC388692			56.25062219	124.127403
363.5096044		293.2472665			
CD200	CD200	2600.028759	2194.678125	3071.990675	
6032.655305					
MOCS1	MOCS1	29.16698928	47.53815434	165.0289002	
148.0947734					
MMP11	MMP11	8.33342551	14.96571525	21.18614259	
83.36460754					
METTL23	METTL23	1991.688697	1807.330201	2389.573872	
2089.018989					
MTRNR2L10	MTRNR2L10		0	1.760672383	0
ZNF3	ZNF3	2036.480859	1806.449865	2933.723219	
1842.848207					
RPE	RPE	3239.619167	3154.244574	2382.883511	
3048.202356					
CRSP8P	CRSP8P	10.41678189	14.08537906	8.92048109	
4.903800443					
CNTN1	CNTN1	0	0	1.115060136	0
RAB23	RAB23	671.8824317	566.9365073	544.1493465	

340.3237508					
MIR940	MIR940	1.041678189	2.641008574	0	0.980760089
MIR939	MIR939	287.5031801	356.5361575	201.8258847	
296.1895468					
LOC644961	LOC644961		180.2103266	214.8020307	
386.9258673	231.4593809				
MTERF4	MTERF4	1698.977126	1648.869687	2473.203382	
1951.712576					
ALG3	ALG3	4727.13562	3309.183744	3660.742427	
4095.65413					
MIR933	MIR933	5.208390943	8.803361914	4.460240545	
2.942280266					
MIR215	MIR215	1.041678189	0.880336191	2.230120273	
2.942280266					
MPDU1	MPDU1	6552.155807	4332.134398	4191.511052	
3533.678599					
LOC283335	LOC283335		1.041678189	11.44437049	
24.531323	24.51900222				
RCC1	RCC1	7327.164379	6185.242081	5769.321145	
6025.789985					
C2CD3	C2CD3	1161.47118	2322.326873	1907.867893	
1992.9045					
CCDC12	CCDC12	3462.538299	2852.28926	2991.706346	
2959.933948					
ATP6V1G2-DDX39B	ATP6V1G2-DDX39B		3.125034566	7.923025723	
3.345180409	4.903800443				
RNF7	RNF7	3854.209298	3859.393863	3417.659318	
3551.332281					
ZNF778	ZNF778	369.795757	420.8006995	374.6602058	
341.3045109					
TEX264	TEX264	3659.415477	3011.630111	2038.329929	
2580.379793					
IN080B-WBP1	IN080B-WBP1		1229.180263	1692.886496	
1138.476399	1169.066026				
COLEC11	COLEC11	0	2.230120273	5.884560532	
SMARCAD1	SMARCAD1		3979.210681	3921.897733	
3111.01778	3711.196176				
LINC00954	LINC00954		31.25034566	68.66622293	
165.0289002	64.73016585				
DDX11L10	DDX11L10		1.041678189	2.641008574	0
	0.980760089				
FKBP9P1	FKBP9P1	0	0.880336191	0	
PPIEL	PPIEL	80.20922053	96.83698106	59.09818722	
152.0178137					
CHIAP2	CHIAP2	0	6.690360818	0	
API5	API5	21586.6971	18073.30201	17652.51702	
20175.21578					
MIR3193	MIR3193	1.041678189	0	0	
MIR3191	MIR3191	2.083356377	7.923025723	1.115060136	
4.903800443					

MIR3190	MIR3190	2.083356377	7.923025723	1.115060136
4.903800443				
CROCCP2	CROCCP2	325.0035949	510.594991	502.8921215
866.0111583				
MINK1	MINK1	1016.677912	2508.958146	1086.068573
1371.102604				
NFATC2	NFATC2	3767.750009	7231.961813	4752.386301
4879.281441				
RASA4B	RASA4B	163.5434756	208.6396774	181.7548022
247.1515423				
LRRC49	LRRC49	5.208390943	14.96571525	47.94758586
10.78836098				
ABCC10	ABCC10	2239.608106	2031.81593	1573.349852
2198.864119				
ZBTB33	ZBTB33	1315.639552	1753.629693	2075.126914
1866.386449				
TRIM26	TRIM26	4.166712755	0.880336191	2.230120273
0.980760089				
LDB3	LDB3	4.166712755	5.282017149	4.460240545
15.69216142				
RAD51	RAD51	6590.6979	5625.348263	3454.456302
4301.613749				
SERPINA10	SERPINA10		0 0	0 1.961520177
SNRK	SNRK	3587.539682	4370.86919	4979.858569
3793.580023				
ZNF250	ZNF250	323.9619167	338.0490975	1145.16676
710.0703042				
MLKL	MLKL	2407.318294	1612.775903	1724.998031
1820.290725				
PGM1	PGM1	2125.023505	2451.736293	2581.364215
3208.06625				
FAM122B	FAM122B	383.3375734	1368.922778	496.2017606
586.494533				
ZNF419	ZNF419	367.7124006	298.4339689	454.9445356
482.5339636				
DNAH14	DNAH14	16.66685102	60.74319721	2.230120273
37.26888337				
VPS37A	VPS37A	3235.452454	2420.924526	3018.467789
2711.801645				
BBIP1	BBIP1	1111.470627	1272.966133	2991.706346
2377.362455				
CTD-2270F17.1	CTD-2270F17.1		0 2.641008574	0
0.980760089				
SMN2	SMN2	2141.690356	1145.317385	1977.001622
1428.967449				
DCLRE1B	DCLRE1B	2375.02627	2238.694935	1906.752833
1778.118041				
VWA1	VWA1	6.250069132	19.36739621	8.92048109
6.865320621				
FAM129B	FAM129B	433.3381265	187.5116088	238.6228692

34.3266031				
MED8	MED8	3533.372416	3327.670804	3057.494894
3103.124921				
NPNT	NPNT	1.041678189	0	0
STX8	STX8	1645.851538	1553.793378	1222.105909
1515.274337				
RFX2	RFX2	708.3411683	706.9099617	393.6162281
624.7441765				
PPT2	PPT2	0	0	0.980760089
R3HCC1L	R3HCC1L	2623.987357	1647.98935	2769.809378
2383.247015				
P2RY10	P2RY10	5702.146405	3806.573692	4280.715863
3621.947007				
PDE4D	PDE4D	2698.988187	4222.092374	2294.79376
2788.300932				
LINC00877	LINC00877		27.08363291	27.29042193
12.2656615		16.67292151		
LOC100287072	LOC100287072		0	0.880336191
3.923040355				0
ARFRP1	ARFRP1	3556.289336	3170.090625	2892.465993
3377.737745				
HIGD1B	HIGD1B	46.87551849	36.09378385	40.14216491
59.82636541				
ZMYND11	ZMYND11	2763.572235	2778.34102	3250.400297
2545.07243				
SERPINB8	SERPINB8		825.0091254	773.8155123
1001.324002		1103.3551		
PTPRB	PTPRB	0	0	0.980760089
ADARB1	ADARB1	1551.058823	895.3019067	1105.024595
855.2227973				
ZNF559	ZNF559	705.2161337	499.1506205	2071.781733
1325.98764				
MTUS1	MTUS1	61.45901313	423.4417081	140.4975772
568.8408514				
SPERT	SPERT	1.041678189	0	20.07108245
MXI1	MXI1	793.7587798	699.8672722	3395.358115
2286.151767				
ZC3H8	ZC3H8	795.8421362	542.2870939	1067.11255
914.0684026				
NDUFC1	NDUFC1	4355.256507	4781.105856	3497.943647
3760.23418				
NET02	NET02	3991.710819	2505.436801	1891.141991
1146.508544				
STX5	STX5	919.8018406	1359.23908	1432.852275
1048.432535				
RPS6KB1	RPS6KB1	5583.395091	4739.730055	4279.600803
4157.442016				
AHR	AHR	2708.363291	2735.204547	5343.368173
3670.985012				
F8A1	F8A1	1470.849602	1508.015896	1614.607077

1854.617328				
CLEC2B CLEC2B	1286.472563	2368.104355	3435.50028	
2245.940603				
CKAP5 CKAP5	10829.28645	16669.16578	9200.361184	
10239.13533				
PTDSS1 PTDSS1	17410.60925	10896.80138	9579.481631	
8579.689256				
C19orf66	C19orf66	3232.32742	2810.913459	
4427.903801	3665.100451			
PHYH PHYH	1239.597045	1121.548308	1125.095677	
1279.891916				
PFKFB2 PFKFB2	72.91747321	90.67462772	370.1999652	
183.4021366				
WRAP53 WRAP53	2683.363014	1909.449199	1603.456476	
1691.811153				
ZNF528 ZNF528	350.0038714	228.0070736	909.8890712	
343.266031				
FAM53C FAM53C	4704.2187	4079.477911	4715.589316	
4128.999973				
SYBU SYBU	1.041678189	7.042689532	75.82408927	
26.48052239				
VEPH1 VEPH1	3.125034566	6.16235334	5.575300681	
2.942280266				
APEX1 APEX1	9353.228456	6781.229683	9804.723778	
9597.718228				
GADD45GIP1	GADD45GIP1	4645.884722	3607.617713	
3810.160486	4190.787859			
CCDC97 CCDC97	3041.700311	2550.333947	2518.920848	
1891.886211				
EMILIN3 EMILIN3	0 0.880336191 0	0	0	
SRSF8 SRSF8	3258.369374	2420.924526	4791.413406	
3811.233705				
AOC1 AOC1	2.083356377	0 0	0	
ABHD10 ABHD10	4993.805237	3764.317555	4241.688758	
4926.357925				
SHISA5 SHISA5	12540.76371	9376.460775	12219.94403	
8751.322271				
CALCRL CALCRL	9.375103698	119.725722	15.61084191	
34.3266031				
PUF60 PUF60	21031.48263	14329.23219	16022.2991	
17062.28326				
KCNMA1 KCNMA1	3.125034566	12.32470668	25.64638313	
38.24964346				
RHOBTB2 RHOBTB2	590.631533	800.225598	865.2866657	
714.9741046				
MSRB3 MSRB3	19.79188559	22.88874098	0 9.807600887	
SECISBP2L	SECISBP2L	1336.473116	1602.211868	
1171.928203	1040.586454			
RIMS1 RIMS1	0 0	4.460240545	0	
LINC00354	LINC00354	0 0	0 0.980760089	

GRTP1-AS1	GRTP1-AS1	2.083356377	0	2.230120273
4.903800443				
BLM	BLM	6572.989371	7239.004502	3269.35632
4746.878829				
SH3BGR	SH3BGR	45.8338403	36.97412004	104.8156528
78.46080709				
GEMIN7	GEMIN7	2393.776478	1988.679456	1741.723933
1955.635617				
CASKIN2	CASKIN2	11.45846008	66.02521436	11.15060136
42.17268381				
MAK16	MAK16	6025.066643	5068.095454	5668.965733
5866.90685				
FAM53B	FAM53B	1536.475328	2139.216945	1804.1673
385.4387148				
SLC22A7	SLC22A7	0	7.805420954	3.923040355
		0		
AURKAIP1	AURKAIP1		7545.916799	6320.813855
5085.789282		5352.007804		
NFKBIL1	NFKBIL1	56.25062219	29.93143051	17.84096218
35.30736319				
WWP2	WWP2	6164.651521	5330.435639	5360.094075
5224.508992				
SERPINA1	SERPINA1	0	3.521344766	8.92048109
16.67292151				
PRAP1	PRAP1	2.083356377	4.401680957	2.230120273
3.923040355				
UBXN6	UBXN6	117.7096353	280.8272451	127.1168555
138.2871725				
CLCN2	CLCN2	126.0430608	133.8111011	137.1523968
137.3064124				
MIR4444-2	MIR4444-2		319.7952039	399.6726309
328.9427402		325.6123494		
CLIP4	CLIP4	1512.51673	1933.218276	2715.171432
2263.594285				
MIR7851	MIR7851	22.91692015	29.93143051	27.87650341
35.30736319				
ZNF627	ZNF627	406.2544936	447.2107853	1206.495067
799.3194723				
RHOT1	RHOT1	3719.832812	3396.337027	3037.423811
3131.566963				
NEURL1B	NEURL1B	0	11.15060136	6.865320621
		0		
CTH	CTH	211.4606723	251.7761508	265.3843124
289.3242262				
DOCK8	DOCK8	10028.23592	17712.36417	8595.99859
9306.432481				
DYNC2LI1	DYNC2LI1		514.5890252	430.4843976
488.3963397		539.4180488		
KIRREL3	KIRREL3	5.208390943	0	4.460240545
			0	0.980760089
PPM1L	PPM1L	35.41705842	98.59765344	99.24035213
46.09572417				
ADAD1	ADAD1	0	0	0.980760089
		0		

CCL23	CCL23	0	1.760672383	0	0.980760089
UEVLD	UEVLD	1569.80903	1031.754016		1241.061932
		1060.201656			
PCDH15	PCDH15	0	0	1.115060136	1.961520177
TLL11	TLL11	98.95942793	93.31563629		215.2066063
		84.34536763			
PARP9	PARP9	13177.22909	7338.482492		22121.67804
		10392.1339			
STRADA	STRADA	2589.611977	2218.447202		2619.27626
		2300.863168			
ARHGAP4	ARHGAP4	5912.565399	6738.093209		2833.367806
		5236.278113			
SMAD7	SMAD7	863.5512184	426.9630528		828.4896812
		493.3223246			
SCAMP4	SCAMP4	845.8426892	1372.444122		874.2071468
		928.779804			
HSD17B12	HSD17B12		3482.330185		2528.325542
		2716.286492	2328.324451		
BANK1	BANK1	7.291747321	2.641008574	0	12.74988115
PXN	PXN	6834.450596	8564.790806		4285.176104
		4678.225623			
VPRBP	VPRBP	4685.468493	5665.843728		5207.330836
		5917.906375			
NFYC	NFYC	5834.439535	4975.660154		4686.597753
		4279.056267			
ZNF780A	ZNF780A	547.9227273	655.8504626		851.9059441
		822.8577144			
TCF7	TCF7	373.9624697	780.8582018		7041.604761
		9703.640317			
VRK3	VRK3	4171.921146	3494.93468		4001.950829
		4017.193323			
TMBIM1	TMBIM1	8612.595264	6629.811858		7561.222784
		6359.248415			
BAG6	BAG6	0	4.401680957	7.805420954	7.846080709
ASPH	ASPH	390.6293208	567.8168435		669.0360818
		545.3026093			
NOS1	NOS1	0	0	1.115060136	0
DST	DST	244.7943743	417.2793547		185.0999826
		231.4593809			
BMP6	BMP6	1054.178327	856.5671143		779.4270352
		887.5878802			
CXCR5	CXCR5	489.5887487	347.7327956		1151.857121
		2170.422076			
ITPRIPL1	ITPRIPL1		3077.117369		2964.972293
		1132.901098	2274.382646		
RANBP3	RANBP3	371.8791134	982.4551896		452.7144153
		427.6113987			
PLXNB3	PLXNB3	4.166712755	3.521344766		8.92048109
		0.980760089			
CHRNA9	CHRNA9	2.083356377	3.521344766		44.60240545

5.884560532				
CSRP2BP	CSRP2BP	2468.777307	1953.466009	2623.736501
2132.172433				
CYP2D6	CYP2D6	9.375103698	21.12806859	16.72590204
14.71140133				
PDLIM5	PDLIM5	2094.814837	1634.784308	2535.64675
2212.59476				
CSNK1G3	CSNK1G3	2503.152687	1987.79912	2579.134095
3099.20188				
CDK2AP1	CDK2AP1	4197.9631	3995.845973	2715.171432
3776.907101				
AKAP9	AKAP9	1923.979615	1975.474414	2637.117222
2219.460081				
FAM208A	FAM208A	2341.692568	4366.46751	3067.530435
3417.948909				
TAGLN3	TAGLN3	22.91692015	22.00840479	24.531323
60.8071255				
SAP30BP	SAP30BP	4211.504917	3472.045939	3657.397247
3886.752231				
TTC22	TTC22	317.7118476	399.6726309	141.6126373
295.2087867				
MRPL1	MRPL1	2027.105755	1420.862613	1495.295643
1628.061747				
PSMG2	PSMG2	5883.39841	5872.722733	5790.507288
5213.720631				
PRDM8	PRDM8	371.8791134	2561.778317	218.5517867
701.2434634				
ANK1	ANK1	414.5879191	578.3808778	659.0005405
774.80047				
USP19	USP19	5396.934696	4984.463516	6494.110234
5495.198777				
SLC35D1	SLC35D1	2372.942914	3662.198556	1704.926948
2205.729439				
SLAMF8	SLAMF8	88.54264604	51.0594991	123.7716751
98.07600887				
KCMF1	KCMF1	4183.379606	4453.620792	3677.468329
3484.640595				
PON2	PON2	621.8818787	675.2178588	481.7059789
624.7441765				
SCG2	SCG2	1.041678189	0	0
CXCR4	CXCR4	6909.451426	7570.891246	13250.2596
9950.79186				
PAX8	PAX8	34.37538023	155.8195059	78.05420954
173.5945357				
AP1M2	AP1M2	0	0	1.961520177
LIF	LIF	3537.539129	4938.686034	2327.130504
2198.864119				
NUDT1	NUDT1	3567.747796	3678.044608	1759.564895
2488.188345				
MPG	MPG	2657.321059	2591.709748	1426.161914

2177.287397					
LCT	LCT	30.20866747	22.88874098	22.30120273	
25.49976231					
CHIT1	CHIT1	10.41678189	8.803361914	0	11.76912106
GTF2F1	GTF2F1	4025.044521	3390.174673	3291.657522	
2982.49143					
FGB	FGB	0	0	1.961520177	
SLC12A6	SLC12A6	2855.239915	3751.992848	2776.499739	
2830.473616					
MRPL3	MRPL3	14463.70165	9857.124336	11391.45435	
12365.4232					
CRISP2	CRISP2	0	0	1.961520177	
MMP2	MMP2	31.25034566	0.880336191	0	0
SPG21	SPG21	7405.290243	6076.960729	6089.343404	
6520.093069					
WDR81	WDR81	1101.053845	2324.967882	1707.157069	
1533.908779					
ZNF587B	ZNF587B	555.2144746	636.4830664	762.7011332	
619.840376					
SLC25A22	SLC25A22		2226.066289	2192.037117	
2220.084731	2148.845354				
ITIH2	ITIH2	0	1.760672383	0	2.942280266
NCEH1	NCEH1	1539.600363	1084.574188	973.447499	
872.8764789					
AFF2	AFF2	11.45846008	14.08537906	0	5.884560532
MEGF6	MEGF6	19.79188559	51.93983529	97.01023186	
163.7869348					
DCTN1	DCTN1	8843.847822	9225.923286	6826.398154	
8083.424651					
ARHGEF1	ARHGEF1	13749.11041	15956.97381	9232.697928	
13827.73649					
CPEB3	CPEB3	238.5443052	197.1953069	349.0138227	
246.1707823					
HDHD1	HDHD1	5208.390943	2280.951072	2888.005753	
1927.193574					
ZNF568	ZNF568	297.919962	285.228926	703.602946	
547.2641295					
SYPL1	SYPL1	2455.235491	2191.15678	5365.669376	
3647.44677					
DISC1	DISC1	150.0016592	303.715986	223.0120273	
295.2087867					
DNAI2	DNAI2	64.5840477	65.14487817	13.38072164	
24.51900222					
UCP3	UCP3	60.41733494	56.34151625	151.6481785	
50.01876452					
CCDC158	CCDC158	0	1.760672383	0	0.980760089
CYB561	CYB561	200.0022122	423.4417081	870.8619664	
863.068878					
VDR	VDR	7195.912928	10668.7943	5154.92301	
7829.407788					

MYBL1 MYBL1	239.5859834	77.46958485	424.8379119
263.8244639			
IL18BP IL18BP	345.8371586	286.9895984	352.3590031
287.362706			
C2orf81 C2orf81	29.16698928	29.93143051	129.3469758
69.6339663			
SPHK1 SPHK1	419.79631	416.3990186	536.3439255
639.4555778			
PLBD2 PLBD2	514.5890252	688.4229017	469.4403174
562.9562909			
FBX028 FBX028	2222.941255	1726.339271	2401.839534
2117.461031			
GPR156 GPR156	0 3.521344766	0	0
0TUD3 0TUD3	189.5854303	223.6053926	258.6939516
205.9596186			
ABCB8 ABCB8	2486.485836	2348.736959	1693.776347
2170.422076			
LOC101060389	LOC101060389	42.70880574	54.58084387
51.29276627	65.71092594		
C1RL-AS1	C1RL-AS1	193.7521431	448.0911214
176.1795015	282.4589055		
C6orf52 C6orf52	135.4181645	77.46958485	216.3216664
86.3068878			
ZNF487 ZNF487	81.25089872	49.29882672	128.2319157
61.78788559			
POP4 POP4	8174.048747	5485.374809	5497.246472
5443.218492			
PSG10P PSG10P	0 0	1.115060136	0
LINC00661	LINC00661	0 1.760672383	0 0
ABHD11-AS1	ABHD11-AS1	17.70852921	7.042689532
5.575300681	13.73064124		
EFCAB2 EFCAB2	83.3342551	117.9650497	64.6734879
116.7104506			
PDCD4-AS1	PDCD4-AS1	57.29230038	108.2813515
124.8867353	137.3064124		
LOC100268168	LOC100268168	12.50013826	4.401680957
25.64638313	12.74988115		
MIR3918 MIR3918	401.0461026	313.3996842	423.7228518
456.0534412			
KLRAP1 KLRAP1	21.87524196	45.77748195	76.9391494
58.84560532			
MIR744 MIR744	0 0.880336191	6.690360818	0.980760089
CTNND2 CTNND2	1.041678189	1.760672383	0 10.78836098
ZNF415 ZNF415	16.66685102	0.880336191	148.3029981
46.09572417			
SCG3 SCG3	0 0	5.575300681	0
PRKAB2 PRKAB2	365.6290442	478.022552	594.3270526
604.1482146			
MGAT1 MGAT1	8450.093467	6745.135899	9155.758779
7307.643421			

REPS2	REPS2	0	0	7.805420954	7.846080709	
BUB3	BUB3	27723.22331		21738.14158	21560.80279	
		22580.03952				
MCOLN2	MCOLN2	1105.220558		1403.255889	1015.819784	
		791.4733916				
PHRF1	PHRF1	4155.254295		5658.801039	4838.245931	
		4427.15104				
DOCK6	DOCK6	5.208390943		2.641008574	33.45180409	
		43.1534439				
TTN	TTN	1345.84822		1211.342599	1638.02334	
		1458.390252				
PTPN2	PTPN2	5738.605142		4862.977122	4753.501361	
		5241.181914				
SPHAR	SPHAR	193.7521431		220.9643841	175.0644414	
		229.4978607				
GLRX3	GLRX3	7832.378301		5466.887749	5691.266935	
		6001.270983				
RPP21	RPP21	120.8346699	0	157.2234792	0	
ZNF613	ZNF613	662.507328		500.0309567	835.1800421	
		666.9168603				
PPP2R5E	PPP2R5E	3539.622485		3743.189486	3522.47497	
		3150.201405				
SNORA59B	SNORA59B			4.166712755	4.401680957	
		5.575300681	4.903800443			
ZNF658B	ZNF658B	2.083356377		2.641008574	1.115060136	
		4.903800443				
LHFPL3-AS2	LHFPL3-AS2			4.166712755	7.923025723	0
		0				
AKAP14	AKAP14	0	4.401680957	16.72590204	0	
TMEM30B	TMEM30B	80.20922053		56.34151625	447.1391146	
		253.0361029				
PRKCZ	PRKCZ	430.2130919		383.8265795	883.1276279	
		719.8779051				
PIKFYVE	PIKFYVE	726.0496975		2486.949741	1399.400471	
		1465.255572				
CASS4	CASS4	325.0035949		257.0581679	309.9867179	
		284.4204257				
C10orf2	C10orf2	911.4684151		976.2928363	1444.002876	
		1273.026595				
RNF166	RNF166	2608.362185		2880.460018	1587.845634	
		2072.346067				
SLC23A2	SLC23A2	2126.065183		2140.977618	1724.998031	
		1893.847731				
CHST12	CHST12	1978.14688		1532.665309	943.3408753	
		665.9361002				
CHCHD1	CHCHD1	2409.40165		3070.612636	2066.206433	
		2230.248442				
TRIM7	TRIM7	29.16698928		44.89714576	22.30120273	
		52.96104479				
ETV6	ETV6	2151.06546		4753.815434	2819.987085	

3481.698315					
GRTP1	GRTP1	8.33342551	2.641008574	14.49578177	
27.46128248					
DLX4	DLX4	0	8.803361914	0	0
FUT5	FUT5	0	2.641008574	21.18614259	0.980760089
JAK3	JAK3	13701.19322	19157.8762	13737.54088	
18937.49655					
BRD2	BRD2	186.4603958	180.4689192	233.0475685	
205.9596186					
GBF1	GBF1	5351.100855	7242.525847	5248.588061	
5000.895692					
CFL1	CFL1	90585.37697	98956.83061	51845.8361	
64616.39768					
SCARB2	SCARB2	846.8843674	1209.581927	1703.811888	
969.9717277					
HSPA1L	HSPA1L	16.66685102	14.96571525	22.30120273	
12.74988115					
PEX16	PEX16	1842.728716	1339.871683	2080.702214	
1624.138707					
RLBP1	RLBP1	0	0	6.690360818	0
PITX2	PITX2	0	0	6.690360818	0
KAT8	KAT8	1043.761545	1719.296582	2027.179328	
1702.599514					
HCG4B	HCG4B	34.37538023	16.72638764	33.45180409	
48.05724434					
MAGED1	MAGED1	3755.24987	4312.767002	3448.881001	
3995.616601					
C16orf59	C16orf59		1416.682337	1110.984274	
611.0529547	1021.952012				
FGD2	FGD2	189.5854303	44.89714576	85.85963049	
17.6536816					
DBF4B	DBF4B	419.79631	811.6699685	254.2337111	
383.4771947					
ANXA11	ANXA11	15806.42484	15314.32839	12818.73133	
14278.88613					
WDFY4	WDFY4	16.66685102	45.77748195	44.60240545	
50.99952461					
TRPM3	TRPM3	1.041678189	0	0	0
GADD45B	GADD45B	3269.827834	1422.623285	5197.295295	
2328.324451					
RSL1D1	RSL1D1	12542.84707	8955.660075	12955.88372	
12054.52225					
TRUB2	TRUB2	4641.718009	2821.477494	3911.630958	
3867.13703					
NBEA	NBEA	10.41678189	55.46118006	90.31987104	
65.71092594					
FN1	FN1	65.62572589	80.99092961	94.78011158	
60.8071255					
SPC24	SPC24	421.8796664	470.0995262	139.382517	
207.9211388					

VPS36	VPS36	3612.539958	3165.688944	2999.511767
3144.316844				
MRS2P2	MRS2P2	36.4587366	45.77748195	50.17770613
28.44204257				
LINC01278	LINC01278		276.04472	324.8440546
439.3336937		523.7258873		
FTSJ1	FTSJ1	6167.776555	4578.628532	5020.000733
5679.581673				
WAPAL	WAPAL	10448.03223	8693.31989	9030.872044
8664.034623				
CDT1	CDT1	3044.825346	3699.172676	1736.148632
2346.958892				
SMIM19	SMIM19	1642.726504	1746.587004	2114.154018
2031.154144				
FAM83F	FAM83F	6.250069132	7.042689532	31.22168382
52.96104479				
EVI5	EVI5	917.7184842	1424.383958	1432.852275
3278.680976				
C1RL	C1RL	94.79271517	196.3149707	100.3554123
125.5372913				
CREB3	CREB3	3883.376287	2980.818344	4401.142358
4049.558406				
CAP1	CAP1	68578.88355	70424.25431	36495.91826
47254.00183				
GON4L	GON4L	3030.241851	3531.028464	3263.781019
3313.98834				
POLR2F	POLR2F	4160.462686	3409.542069	3397.588235
3282.604017				
PHLDA1	PHLDA1	8696.971197	7921.265051	4465.815846
9064.184739				
SLC35B2	SLC35B2	4430.257337	3748.471503	2844.518408
3115.874802				
BMP8A	BMP8A	68.75076045	107.4010154	65.78854804
112.7874102				
UBXN11	UBXN11	13079.31134	13238.49565	7012.613197
8199.154341				
KANSL1	KANSL1	292.711571	552.8511282	560.8752485
401.1308763				
SLAMF7	SLAMF7	758.3417214	786.140219	1603.456476
701.2434634				
TRMT10C	TRMT10C	2795.864258	2698.230427	4035.402633
3904.405913				
WRAP73	WRAP73	2541.69478	2403.317803	2031.639568
2598.033475				
COG1	COG1	3700.040926	2450.855957	4090.04058
3020.741073				
HID1	HID1	2.083356377	16.72638764	296.6059962
254.9976231				
NDUFAF5	NDUFAF5	770.8418596	743.8840818	434.8734531
666.9168603				

EMR1	EMR1	915.6351279	0.880336191	621.0884959	
38.24964346					
A2ML1	A2ML1	0	0	5.884560532	
ZNF789	ZNF789	421.8796664	431.3647338	277.6499739	
476.6494031					
INSC	INSC	0	4.401680957	4.460240545	1.961520177
GH1	GH1	1.041678189	0	8.92048109	3.923040355
TMEM62	TMEM62	1265.638999	1157.642092	1102.794475	
824.8192346					
TMEM134	TMEM134	1065.636787	1271.20546	1238.831811	
1531.947259					
GRIN1	GRIN1	0	0	3.345180409	0
ENPP5	ENPP5	2.083356377	3.521344766	84.74457036	
65.71092594					
COA7	COA7	1466.68289	1100.420239	1519.826966	
1377.967925					
C5orf42	C5orf42	357.2956187	608.3123083	349.0138227	
407.9961969					
TMEM132B	TMEM132B		0	0	3.345180409
C2orf48	C2orf48	218.7524196	367.980528	107.0457731	0
233.4209011					
NOM1	NOM1	1166.679571	1197.25722	1196.459526	
1235.757712					
CTNBL1	CTNBL1	6883.409471	5212.47059	4933.026043	
5507.948658					
N4BP1	N4BP1	4526.09173	4402.561293	5071.2935	
3243.373613					
CPNE1	CPNE1	10991.78825	6993.390705	12820.96145	
8562.035574					
DHX36	DHX36	1966.68842	2247.498297	2534.53169	
2106.67267					
CC2D2A	CC2D2A	2.083356377	3.521344766	13.38072164	
6.865320621					
SRPRB	SRPRB	6067.775449	4076.836903	5302.110948	
4852.800919					
RAP2C	RAP2C	2065.647848	2295.036451	1922.363675	
1990.94298					
HMHB1	HMHB1	25.00027653	39.61512861	16.72590204	
15.69216142					
CCNB1IP1	CCNB1IP1		426.0463792	491.2275948	
469.4403174					
G6PC2	G6PC2	1.041678189	0	0	0
DEDD	DEDD	4441.715797	3337.354502	3659.627367	
4121.153893					
KAT2A	KAT2A	752.0916522	1111.86461	825.1445008	
903.2800417					
ZBTB80S	ZBTB80S	2386.48473	2060.867024	1940.204637	
1763.406639					
DUS4L	DUS4L	407.2961718	419.0400271	247.5433503	
468.8033224					

RAB21	RAB21	2941.699205	3758.155201	2983.900925
2470.534663				
LOC101926963	LOC101926963		183.3353612	287.8699346
147.187938	339.3429907			
MUC1	MUC1	58.33397857	100.3583258	53.52288654
19.61520177				
GPR35	GPR35	135.4181645	95.95664487	123.7716751
127.4988115				
PRMT1	PRMT1	16414.7649	11719.03538	13845.70171
15571.52793				
DDX19A	DDX19A	4607.342629	3811.855709	3990.800228
4472.266004				
LRRC48	LRRC48	41.66712755	46.65781815	93.66505145
43.1534439				
TBC1D9B	TBC1D9B	4413.590486	5278.495804	4809.254368
5674.677873				
CLIP3	CLIP3	208.3356377	183.990264	89.2048109
182.4213765				
PPP4R4	PPP4R4	1.041678189	13.20504287	50.17770613
75.51852683				
SEZ6L	SEZ6L	0	0	0.980760089
TRAK2	TRAK2	4939.637971	3423.627449	3784.514102
2990.33751				
PCDHGA5	PCDHGA5	4.166712755	4.401680957	33.45180409
10.78836098				
ABCC6	ABCC6	1.041678189	5.282017149	20.07108245
4.903800443				
C3orf84	C3orf84	0	0.880336191	0
ZNF506	ZNF506	501.0472088	556.372473	1888.911871
1367.179564				
PAK3	PAK3	79.16754234	20.2477324	25.64638313
73.55700665				
AGPAT1	AGPAT1	70.83411683	176.9475745	50.17770613
102.9798093				
FARP2	FARP2	715.6329156	702.5082808	565.3354891
669.8591406				
PRDX4	PRDX4	2930.240745	2970.25431	3367.481612
3976.98216				
ST6GALNAC2	ST6GALNAC2		15.62517283	7.042689532
55.75300681	45.11496408			
DENND3	DENND3	1730.227471	2064.388369	596.5571729
1071.970777				
BTBD3	BTBD3	272.9196854	354.7754851	176.1795015
338.3622306				
PPRC1	PPRC1	5356.309246	5443.118672	5897.553061
7399.834869				
C9orf9	C9orf9	43.75048393	100.3583258	61.32830749
84.34536763				
NDRG4	NDRG4	55.208944	70.42689532	74.70902913
109.8451299				

OTUB2	OTUB2	857.3011493	790.5418999	332.2879206
371.7080736				
C15orf40	C15orf40		2786.489155	1969.31206
2696.215409	1937.001175			
KCTD1	KCTD1	8.33342551	18.48706002	6.690360818
11.76912106				
TRIM46	TRIM46	271.8780073	293.1519517	146.0728779
204.9788585				
PRKACB	PRKACB	4608.384307	5243.282356	5695.727176
4658.610421				
CHN1	CHN1	282.2947891	194.5542983	259.8090118
469.7840825				
SORCS1	SORCS1	0	0.880336191	2.230120273
				0
GYPC	GYPC	4410.465451	5329.555303	3156.735246
3990.712801				
ENC1	ENC1	46.87551849	191.0329535	17.84096218
119.6527308				
RPAP3	RPAP3	3345.870342	2368.984691	2899.156354
2631.379318				
TRMT10A	TRMT10A	739.591514	667.2948331	496.2017606
524.7066474				
HADH	HADH	3463.579977	3338.234838	3190.18705
3598.408765				
LOC100505915	LOC100505915		26.04195472	31.69210289
42.37228518	42.17268381			
SPIN3	SPIN3	272.9196854	308.9980032	502.8921215
745.3776674				
GTF2IRD2B	GTF2IRD2B		130.2097736	63.38420578
330.0578003	171.6330155			
RAP1GDS1	RAP1GDS1		6090.692369	5849.833992
4309.707427	4458.535363			
C14orf132	C14orf132		6.250069132	49.29882672
69.13372845	100.037529			
PCBP2	PCBP2	2907.323825	3784.565287	3380.862333
3081.548199				
LEPROTL1	LEPROTL1		8785.513843	9276.982785
15628.68287	10339.17285			
THSD7B	THSD7B	0	6.690360818	0.980760089
		0		
FAM110A	FAM110A	1125.012444	860.9687952	690.2222243
676.7244612				
PHTF2	PHTF2	8455.301858	4119.09304	4058.818896
2919.722784				
BCOR	BCOR	1780.228024	2913.032457	2334.935925
2375.400935				
NATD1	NATD1	66.66740408	231.5284183	402.5367092
298.151067				
SEC63	SEC63	2866.698375	3686.84797	3155.620186
3505.236557				
NUTM2F	NUTM2F	0	1.760672383	0
				1.961520177
GORASP2	GORASP2	9833.442101	7887.812275	10459.26408

9132.837946				
SLC25A13	SLC25A13		651.0488679	772.0548399
559.7601884	792.4541516			
GCNT1 GCNT1	2065.647848		1278.24815	1504.216124
1050.394055				
OCM OCM	2.083356377		2.641008574	12.2656615
3.923040355				
SH3D19 SH3D19	1.041678189		13.20504287	27.87650341
11.76912106				
ZC3H12B ZC3H12B	70.83411683		78.34992104	126.0017954
99.05676896				
ZCCHC11 ZCCHC11	1353.139967		1750.108349	2331.590745
1980.154619				
NT5DC2 NT5DC2	892.7182077		1478.964802	748.2053514
1045.490255				
MEIS2 MEIS2	0 4.401680957	0	0	0
GFM2 GFM2	5563.603206		4660.499797	3875.949034
5103.875501				
RPLP0 RPLP0	38942.09741		38261.17155	38249.90785
40698.6014				
COPS7B COPS7B	3470.871725		3012.510447	2591.399757
2991.31827				
SLC46A2 SLC46A2	0 0.880336191	27.87650341	2.942280266	
DGCR8 DGCR8	1489.59981		1354.837399	1234.371571
770.8774297				
FAM122C FAM122C	402.0877808		532.6033958	461.6348964
461.9380018				
LRG1 LRG1	179.1686485		80.99092961	91.43493117
89.24916807				
RPL39L RPL39L	1001.052739		1020.309646	617.7433155
615.9173357				
ATP8B3 ATP8B3	353.128906		279.0665727	88.08975076
152.0178137				
DYDC1 DYDC1	0 0		2.230120273	0
SYNRG SYNRG	5412.559868		5895.611474	5434.803104
5777.657682				
HHAT HHAT	28.12531109		22.88874098	104.8156528
107.8836098				
CELF5 CELF5	0 0		1.115060136	0.980760089
SYNCRIP SYNCRIP	18078.32496		13625.84357	13925.98604
15406.76023				
RABL2B RABL2B	904.1766678		764.1318142	1300.160119
1216.14251				
MANSC4 MANSC4	1.041678189	0 0	1.961520177	
ZFAT ZFAT	230.2108797		317.8013651	249.7734705
388.3809951				
LOC649330	LOC649330		2.083356377	0 0
0.980760089				
KDM4C KDM4C	2072.939596		2096.080472	3783.399042
3174.720407				

KDM5D	KDM5D	0	2997.544732	0	3150.201405	
SPOP	SPOP	4369.840002		3891.085966	5424.767563	
4851.820159						
ERAP1	ERAP1	5576.103344		5133.240332	5971.14703	
5309.83512						
STRBP	STRBP	3756.291548		3159.526591	3140.009344	
3960.309238						
HCRTR1	HCRTR1	0	0	0	0.980760089	
RPL36A	RPL36A	4557.342076		6082.242747	7556.762543	
6785.879053						
IL4R	IL4R	7548.000155		7635.155788	10556.27431	
10296.01941						
C10orf10	C10orf10			48.95887487	58.98252483	
98.12529199		65.71092594				
PITX3	PITX3	1.041678189		2.641008574	3.345180409	
9.807600887						
HEXB	HEXB	6721.949352		5568.126411	5207.330836	
5122.509943						
HSD17B1	HSD17B1	146.8766246		345.091787	263.1541922	
214.7864594						
GTF2H4	GTF2H4	11.45846008		0	16.72590204	0
SLC26A3	SLC26A3	1.041678189		0	4.460240545	0.980760089
ASGR1	ASGR1	18.7502074		4.401680957	16.72590204	
27.46128248						
EDNRB	EDNRB	3.125034566		1.760672383	0	0
SLC26A2	SLC26A2	889.5931731		1081.052843	1121.750497	
867.9726785						
SERPING1	SERPING1			5.208390943	0	0
BTK	BTK	14.58349464		8.803361914	18.95602232	0
1.961520177						
LCAT	LCAT	40.62544936		95.07630868	113.7361339	
57.86484523						
ACBD5	ACBD5	2582.32023		2127.772575	1697.121527	
1694.753433						
LAMB2	LAMB2	1.041678189		0.880336191	2.230120273	0
RAB3IP	RAB3IP	1265.638999		993.0192239	1401.630591	
1503.505216						
GRIN3B	GRIN3B	592.7148894		603.0302911	483.9360991	
595.3213738						
GLIPR1L2	GLIPR1L2			15.62517283	8.803361914	
42.37228518		32.36508293				
JAM2	JAM2	11.45846008		46.65781815	63.55842777	
59.82636541						
CCL3L3	CCL3L3	52.08390943		91.55496391	114.851194	
254.9976231						
ZBTB44	ZBTB44	209.3773159		589.8252483	487.2812795	
421.7268381						
DNASE1L3	DNASE1L3			0	0.880336191	0
1.961520177						
NEIL1	NEIL1	11.45846008		20.2477324	31.22168382	

43.1534439				
MPP5	MPP5	733.3414448	786.140219	418.1475511
458.0149614				
PPP1R12C	PPP1R12C		525.0058071	821.3536666
433.758393		469.7840825		
IDNK	IDNK	520.8390943	455.133811	413.6873106
442.3228				
4-Sep	4-Sep	13.54181645	14.96571525	8.92048109
12.74988115				
SEN3-EIF4A1	SEN3-EIF4A1		33793.08212	26749.89551
30021.87911		30477.11976		
CMTM3	CMTM3	7022.994348	5597.177505	5133.736867
5744.311839				
MRPS14	MRPS14	3797.958676	3600.575023	3891.559876
3454.237032				
CLEC2D	CLEC2D	28950.32022	24633.56731	24803.39767
24550.38654				
CES2	CES2	2437.526962	2905.109432	2990.591285
3576.832043				
LEMD1	LEMD1	2.083356377	8.803361914	0
0SBPL9	0SBPL9	5484.435663	5064.574109	10.78836098
5624.659109				4815.944729
EEF1E1-BLOC1S5	EEF1E1-BLOC1S5		7530.291626	5602.459522
7300.298712		6460.266704		
BLOC1S5-TXNDC5	BLOC1S5-TXNDC5		12081.38363	9521.716247
8856.922662		10060.63699		
SUMF2	SUMF2	6282.361156	4075.956566	5406.926601
4149.595935				
RBM18	RBM18	4074.003396	2915.673466	3437.7304
2688.263403				
PIGQ	PIGQ	1243.763757	1453.435052	1200.919767
1363.256523				
ZNF628	ZNF628	4.166712755	30.8117667	1.115060136
7.846080709				
GTF2I	GTF2I	5320.892188	4622.645341	4269.565262
4740.013509				
KCNJ12	KCNJ12	4.166712755	1.760672383	0
CERK	CERK	7159.454191	8017.221695	0
7470.449595				4016.446611
GCK	GCK	28.12531109	5.282017149	84.74457036
82.38384745				
HK1	HK1	27541.97131	22765.49391	19917.20415
26665.88605				
MYLK	MYLK	43.75048393	56.34151625	31.22168382
51.9802847				
MTRR	MTRR	5417.768259	4782.866528	4284.061044
4278.075507				
UPF3B	UPF3B	1303.139414	1296.73521	1287.894457
1108.2589				
TBPL2	TBPL2	0	0.880336191	0

CACUL1	CACUL1	2373.984592	2363.702674	2564.638313
2210.63324				
RUSC1	RUSC1	1102.095524	1082.813515	999.0938821
1018.028972				
NDE1	NDE1	3887.543	3413.94375	3121.053321
2851.069578				
GSTT2	GSTT2	8.33342551	0	0
SCGB1A1	SCGB1A1	33.33370204	11.44437049	3.345180409
1.961520177				
PSMD11	PSMD11	19973.13759	13543.09197	13784.3734
13103.93554				
NAT9	NAT9	1253.138861	934.0366991	1311.31072
1483.890014				
ENSA	ENSA	3776.083434	6093.687117	4107.881542
4942.050087				
TCF12	TCF12	3668.790581	4783.746864	3754.407479
3859.290949				
TMEM177	TMEM177	1341.681507	907.6266134	1137.361339
1261.257474				
XRCC3	XRCC3	2048.980997	2053.824335	1382.674569
1642.773149				
SLC45A4	SLC45A4	284.3781455	398.7922947	431.5282727
299.131827				
TOX3	TOX3	0	0	0.980760089
SAMD12	SAMD12	45.8338403	14.96571525	46.83252572
34.3266031				
TOX2	TOX2	343.7538023	1498.332198	129.3469758
316.7855086				
GPSM1	GPSM1	122.9180263	188.391945	103.7005927
254.016863				
CPSF7	CPSF7	1400.015486	3422.747112	1724.998031
1585.889063				
CHID1	CHID1	3828.167343	2721.119168	3821.311087
3736.695938				
VGLL4	VGLL4	1492.724844	2604.91479	1324.691442
2151.787635				
TUBGCP5	TUBGCP5	1990.647019	1507.13556	1940.204637
1577.062223				
RPS15A	RPS15A	10301.15561	14160.20764	12623.5958
11174.78045				
TMEM254	TMEM254	991.6776356	869.7721571	1049.271588
1212.21947				
LINC00957	LINC00957		70.83411683	94.19597248
59.09818722	58.84560532			
SGK3	SGK3	338.5454113	242.0924526	2021.604027
779.7042705				
GRK4	GRK4	54.16726581	32.57243908	53.52288654
50.99952461				
CAPN3	CAPN3	55.208944	50.17916291	49.062646
72.57624656				

PFDN2	PFDN2	3268.786156	2802.990434	3098.752119
3044.279315				
HBQ1	HBQ1	2.083356377	9.683698106	3.345180409
2.942280266				
ZNF26	ZNF26	18.7502074	21.12806859	32.33674395
26.48052239				
NCAPH2	NCAPH2	10534.49152	8877.310154	7634.816753
8054.001848				
RANBP3L	RANBP3L	0	0.880336191	0
ENPP7	ENPP7	0	2.641008574	0
BHLHA15	BHLHA15	3.125034566	8.803361914	6.690360818
10.78836098				
TRAPPC6B	TRAPPC6B		2243.774818	2424.445871
2053.940771	2177.287397			
VHL	VHL	2882.323548	4165.750858	1711.617309
2405.804498				
C21orf33	C21orf33		3675.04065	3994.085301
2754.198537	3835.752707			
PSMD13	PSMD13	21851.28336	13785.18442	12974.83975
13200.05003				
LCE1E	LCE1E	0	5.575300681	1.961520177
LCE1B	LCE1B	0	0.880336191	13.38072164
SLC25A44	SLC25A44		5230.266185	4122.614385
4908.49472	4408.516599			
IP013	IP013	1947.938213	1928.816595	1609.031777
1737.906877				
RGN	RGN	0	3.345180409	0
IREB2	IREB2	2532.319677	4421.92869	2836.712987
3335.565062				
PRKAR2A	PRKAR2A	1138.55426	750.0464351	733.7095697
780.6850306				
ORC1	ORC1	4682.343458	4340.93776	2244.616054
3160.009006				
USP40	USP40	421.8796664	449.8517938	588.7517519
367.7850333				
NT5C1A	NT5C1A	23.95859834	4.401680957	20.07108245
0.980760089				
KPNA6	KPNA6	5467.768812	6630.692194	5604.292245
5126.432983				
SATB1	SATB1	12210.55173	13960.37132	21869.67445
31335.28483				
POP5	POP5	2270.858451	2254.540986	1770.715496
1994.86602				
TWF2	TWF2	7377.164932	6461.667645	5249.703122
6687.803045				
XIRP1	XIRP1	134.3764863	8.803361914	304.4114172
142.2102129				
SASS6	SASS6	1020.844625	1221.026298	675.7264426
937.6066448				
DNAJC21	DNAJC21	3593.789751	3227.312478	3678.58339

3592.524205				
STEAP3	STEAP3	23.95859834	7.923025723	6.690360818
0.980760089				
EI24	EI24	4641.718009	2857.571277	4753.501361
3703.350095				
EYA3	EYA3	1472.932959	2237.814599	1449.578177
1382.871725				
TMEM9B	TMEM9B	4960.471535	3310.06408	5103.630244
3797.503063				
SIK3	SIK3	1660.435033	2654.213617	3189.07199
3189.431808				
FLVCR1	FLVCR1	795.8421362	872.4131657	492.8565802
505.0914457				
TPD52L2	TPD52L2	8544.886182	6047.029299	6905.567424
7013.415394				
GSG1	GSG1	4.166712755	4.401680957	14.49578177
1.961520177				
C4orf19	C4orf19	43.75048393	40.49546481	13.38072164
54.92256497				
PRSS1	PRSS1	1.041678189	5.282017149	10.03554123
2.942280266				
BAZ2A	BAZ2A	2985.449689	5634.151625	4620.809205
3832.810427				
IST1	IST1	10325.11421	8134.306409	10807.16284
9776.216564				
MATN3	MATN3	0	0	0.980760089
COPA	COPA	26097.16366	23361.48151	20474.73422
23238.12954				
HACL1	HACL1	3493.788645	2397.155449	3190.18705
3092.33656				
SLC27A5	SLC27A5	293.7532492	324.8440546	294.375876
332.4776701				
CIB2	CIB2	101.0427843	100.3583258	71.36384872
70.61472638				
CHAT	CHAT	0	0	0.980760089
COG5	COG5	3077.117369	2876.938674	6003.483774
4901.838923				
ART5	ART5	0	0	1.961520177
ZNF536	ZNF536	0	0	0.980760089
ARHGAP32	ARHGAP32		8.33342551	113.5633687
108.1608332		175.5560559		
LIN7C	LIN7C	4887.554061	4315.40801	5073.52362
4567.399733				
IFT140	IFT140	229.1692015	349.493468	303.2963571
496.2646049				
NLGN4Y	NLGN4Y	0	48.41849053	0
BDNF	BDNF	13.54181645	0.880336191	15.61084191
14.71140133				
LOC100505478	LOC100505478		40.62544936	16.72638764
25.64638313		19.61520177		

CCDC169	CCDC169	6.250069132	8.803361914	2.230120273
7.846080709				
ACSL6	ACSL6	493.7554614	265.8615298	590.9818722
345.2275512				
GEMIN2	GEMIN2	1156.262789	1108.343265	1010.244483
1030.778853				
TLK1	TLK1	2151.06546	4892.908552	2690.640109
4323.190471				
COPS2	COPS2	2616.69561	2491.351422	2727.437093
2489.169105				
KIAA0319	KIAA0319		14.58349464	4.401680957
46.83252572	0.980760089			
SNORD7	SNORD7	0	2.641008574	0
5.884560532				
IGBP1P1	IGBP1P1	9.375103698	3.521344766	34.56686422
20.59596186				
NNAT	NNAT	20.83356377	16.72638764	22.30120273
22.55748204				
PPP2R2B	PPP2R2B	59.37565676	250.0154784	51.29276627
163.7869348				
UROC1	UROC1	1.041678189	0	0
				0
KCNH8	KCNH8	0	0	0.980760089
MLF2	MLF2	10250.11338	7961.760515	9950.796656
10339.17285				
IFI35	IFI35	7905.295774	4691.311564	7438.566169
4214.326101				
VCL	VCL	2580.236873	2947.365569	2043.90523
2334.209011				
BMPR1B	BMPR1B	0	4.401680957	0
				0
BMP4	BMP4	3.125034566	0.880336191	53.52288654
0.980760089				
BCL2L1	BCL2L1	3278.16126	3252.842227	3443.305701
2471.515423				
ST3GAL3	ST3GAL3	327.0869513	365.3395194	264.2692523
480.5724434				
EBLN3	EBLN3	1270.84739	1393.572191	2090.737756
1758.502839				
RPL18	RPL18	13658.48441	13332.69162	15091.22388
13866.96689				
IFF01	IFF01	1543.767076	1461.358078	942.2258151
1158.277665				
FLJ27354	FLJ27354		86.45928966	168.1442126
88.08975076	107.8836098			
PWAR5	PWAR5	17.70852921	20.2477324	69.13372845
14.71140133				
PBX3	PBX3	270.8363291	381.1855709	424.8379119
317.7662687				
HSD17B7P2	HSD17B7P2		116.6679571	253.5368231
212.976486	264.8052239			
PPIE	PPIE	4077.128431	3941.265129	3801.240005
4591.918735				

CARS	CARS	8719.888118	6009.174843	8806.744956
6273.922287				
CMPK2	CMPK2	3479.20515	784.3795466	9848.211123
1854.617328				
WDR92	WDR92	1189.596491	963.9681296	837.4101623
995.47149				
GPX2	GPX2	8.33342551	3.521344766	0
FAM166B	FAM166B	7.291747321	4.401680957	6.865320621
3.923040355				2.230120273
NUDT16P1	NUDT16P1		16.66685102	37.85445623
7.805420954				
TCAM1P	TCAM1P	12.50013826	0	17.84096218
MMP23A	MMP23A	0	0	0.980760089
FABP5P3	FABP5P3	9.375103698	0.880336191	2.942280266
0.980760089				15.61084191
LOC441601	LOC441601		7.291747321	0
0				2.230120273
SCART1	SCART1	9.375103698	30.8117667	0
SGCA	SGCA	1.041678189	0.880336191	35.30736319
ADA	ADA	4262.547148	7258.371898	13.38072164
4539.93845				0
KCNAB2	KCNAB2	3055.242127	9798.141811	2998.396706
3779.849382				
JMJD7-PLA2G4B	JMJD7-PLA2G4B		426.0463792	591.5859206
550.8397073				
CYP21A2	CYP21A2	0	0.880336191	0
MAG	MAG	3.125034566	0	0.980760089
ATP5G3	ATP5G3	25177.36182	28155.79241	16605.47555
21377.62765				
YJEFN3	YJEFN3	59.37565676	77.46958485	17.84096218
60.8071255				
PFDN1	PFDN1	7356.331369	5556.68204	4914.070021
5071.510419				
NUBP1	NUBP1	2709.404969	2174.430393	1789.671519
1864.424929				
APBA2	APBA2	27.08363291	82.751602	1651.404062
1441.71733				
KCTD9	KCTD9	1087.512029	1107.462929	671.266202
794.4156718				
DDX60	DDX60	3958.377117	1971.953069	13123.14274
4289.844628				
RXRB	RXRB	13.54181645	7.923025723	14.49578177
20.59596186				
LUZP1	LUZP1	1280.222494	1566.998421	1655.864302
1942.885736				
RPL34	RPL34	7260.496975	8955.660075	13831.20593
11026.68568				
FBX021	FBX021	3145.86813	2795.067408	4447.974884
3944.617077				
LOC100288798	LOC100288798		75.00082959	147.016144

15.61084191	67.67244612				
FAM111A FAM111A	7101.120212	7131.603487	5385.740458		
5507.948658					
FADS3 FADS3	128.1264172	103.8796706	250.8885307		
209.882659					
MBD6 MBD6	58.33397857	283.4682536	57.98312709		
80.42232727					
EGFEM1P EGFEM1P	0 5.282017149	0	0		
LOC392196	LOC392196	0 0	2.230120273	0	
CCDC152 CCDC152	221.8774542	420.8006995	405.8818896		
525.6874075					
CLGN CLGN	15.62517283	58.98252483	0 14.71140133		
KIAA0391	KIAA0391	4117.75388	4039.862783		
3008.432248	4050.539166				
WSCD2 WSCD2	2.083356377	0 0	6.865320621		
MAPRE2 MAPRE2	7612.584203	9198.632864	8143.284175		
11738.7175					
AGER AGER	0 0	2.230120273	0		
CFAP61 CFAP61	0 5.282017149	7.805420954	0		
GNG13 GNG13	112.5012444	132.0504287	59.09818722		
132.402612					
ZNF581 ZNF581	918.7601624	716.5936598	1064.88243		
832.6653153					
ZHX1 ZHX1	2894.823686	2408.59982	2819.987085		
2719.647726					
MTCP1 MTCP1	347.920515	406.7153204	373.5451456		
407.9961969					
FBR5 FBR5	351.0455496	888.2592172	443.7939342		
402.1116364					
ZNF284 ZNF284	26.04195472	21.12806859	158.3385393		
49.03800443					
SMAP1 SMAP1	2204.191047	1728.099944	2359.467248		
1668.272911					
NAE1 NAE1	8473.010387	7781.291596	6578.854804		
8056.944128					
USP9X USP9X	4147.962547	8635.217702	6798.521651		
5829.637967					
ESRP1 ESRP1	0 4.401680957	5.575300681	0		
10-Mar 10-Mar	0 0	24.531323	4.903800443		
TSC2 TSC2	3039.616955	4242.340107	3084.256337		
3665.100451					
C16orf46	C16orf46	96.87607155	66.02521436		
143.8427576	74.53776674				
TMEM170B	TMEM170B	82.29257691	154.9391697		
150.5331184	183.4021366				
MOB4 MOB4	4861.512107	4063.63186	3987.455047		
3876.944631					
MED7 MED7	1193.763204	1181.411169	1426.161914		
1414.256048					
TMEM55B TMEM55B	1827.103543	2145.379299	3103.212359		

2107.653431					
CAPN8	CAPN8	2.083356377	0	6.690360818	0
ZNF707	ZNF707	255.2111562	213.0413583	317.7921388	
206.9403787					
MUTYH	MUTYH	1886.4792	1427.024966	1969.196201	
1825.194525					
C11orf88	C11orf88	2.083356377	0.880336191		
3.345180409	0				
PLXNB1	PLXNB1	7.291747321	113.5633687	66.90360818	
59.82636541					
CLNS1A	CLNS1A	7130.287202	5956.354671	6873.23068	
6929.070026					
CREB3L4	CREB3L4	339.5870895	452.4928024	320.0222591	
478.6109233					
C5	C5	38.54209298	77.46958485	173.9493813	
100.037529					
GGCT	GGCT	3236.494132	2912.152121	2695.100349	
2672.571242					
TREM1	TREM1	0	0.880336191	4.460240545	4.903800443
MAP4K4	MAP4K4	4370.88168	3713.258055	6364.763258	
4399.689758					
TRIM2	TRIM2	25.00027653	15.84605145	143.8427576	
62.76864567					
ZNF529	ZNF529	366.6707224	455.133811	956.7215969	
682.6090217					
APH1B	APH1B	356.2539405	607.4319721	987.9432807	
1196.527308					
TNFSF13B	TNFSF13B	459.3800812	237.6907717		
4164.749609	1090.605219				
NCR3	NCR3	100.0011061	20.2477324	65.78854804	
19.61520177					
COR07	COR07	9561.564094	9985.653419	5293.190467	
6321.979532					
DCAF5	DCAF5	3282.327973	4075.956566	4505.958011	
4025.039404					
PAFAH1B2	PAFAH1B2	2392.734799	3582.087963		
2667.223846	2784.377892				
CGA	CGA	16.66685102	3.521344766	0	0
ITGA10	ITGA10	40.62544936	38.73479242	17.84096218	
21.57672195					
CD3E	CD3E	16163.72045	18001.11444	15789.25153	
15170.39705					
FGF9	FGF9	2.083356377	4.401680957	211.8614259	
115.7296905					
CTSB	CTSB	24056.51609	20816.42958	15648.75395	
25406.5901					
GPRASP1	GPRASP1	10.41678189	22.00840479	1311.31072	
804.2232727					
GYG1	GYG1	4285.464068	4526.688696	2664.993726	
2617.648677					

RABIF	RABIF	2718.780073	2021.251896	2110.808838		
1641.792388						
PLIN2	PLIN2	7693.835102	6515.368153	6285.593988		
6937.896867						
PAM	PAM	3407.329355	2702.632108	2182.172687		
4409.497359						
UBASH3B	UBASH3B	4637.551296	3955.350508	2486.584104		
2293.997847						
TRIM5	TRIM5	612.506775	1209.581927	1487.490222		
1523.120418						
ANTXR2	ANTXR2	9218.85197	11962.00817	2633.772042		
3524.851759						
SPAG16	SPAG16	440.6298738	575.7398692	421.4927315		
701.2434634						
IGFLR1	IGFLR1	3136.493026	3202.663064	2489.929284		
3139.413044						
CTNND1	CTNND1	171.8769011	250.0154784	320.0222591		
364.842753						
CPSF3L	CPSF3L	6975.077152	5261.769416	5254.163362		
6096.404711						
APITD1-CORT	APITD1-CORT		1255.222217	1303.7779		
869.7469063	841.4921561					
LOC102724933	LOC102724933		1.041678189	0	0	0
ARMCX6	ARMCX6	583.3397857	625.0386959	636.6993378		
672.8014208						
PCNA-AS1	PCNA-AS1		10221.98807	8430.099369		
8196.807062	7155.625607					
ATXN3	ATXN3	1264.597321	1387.409838	1665.899844		
1454.467211						
ARCN1	ARCN1	19748.1351	17057.39405	16462.74785		
17739.98848						
PFKM	PFKM	1663.560067	1369.803114	1416.126373		
1763.406639						
CDH23	CDH23	11.45846008	41.375801	181.7548022		
81.40308736						
TAX1BP1	TAX1BP1	8433.426616	8251.391122	11776.1501		
10644.18924						
GDF5	GDF5	0	0.880336191	0	0	
ITGA2B	ITGA2B	0	11.44437049	20.07108245	6.865320621	
ZFYVE28	ZFYVE28	413.5462409	782.6188742	392.501168		
770.8774297						
DENND1B	DENND1B	2830.239639	2423.565535	1827.583563		
1614.331106						
ACADM	ACADM	6143.817957	6236.30158	4941.946524		
6481.843426						
SIPA1L3	SIPA1L3	172.9185793	331.8867442	255.3487712		
195.1712576						
OTOA	OTOA	2.083356377	0	18.95602232	0.980760089	
NEDD8-MDP1	NEDD8-MDP1		7126.120489	5464.24674		
5677.886214	5783.542243					

ZNF573	ZNF573	365.6290442	177.8279107	928.8450935
493.3223246				
CELF3	CELF3	3.125034566	0	0
INTS7	INTS7	6593.822934	4594.474583	3775.593621
3487.582875				
LM04	LM04	933.3436571	2551.214283	592.0969324
573.7446519				
PRMT5	PRMT5	12489.72148	7253.089881	11451.6676
10073.38687				
ZNF324	ZNF324	726.0496975	627.6797045	1131.786038
944.4719654				
TBC1D22A	TBC1D22A		1909.39612	1839.90264
1719.42273	2031.154144			
FAS	FAS	13513.69114	6956.416585	14266.07938
8090.289971				
FXYD3	FXYD3	0	5.282017149	0
PLAGL1	PLAGL1	492.7137833	387.3479242	564.220429
608.071255				
MY01C	MY01C	2319.817326	2216.68653	1261.133014
1730.060796				
TOMM5	TOMM5	8564.678067	7684.454615	8211.302843
7894.137954				
BTN3A1	BTN3A1	2134.398609	1932.33794	6019.094616
3966.193799				
RPAP1	RPAP1	2594.820368	2897.186406	2472.088322
2773.589531				
ADAM19	ADAM19	5013.597122	13216.48724	2098.543176
3642.542969				
EHMT2	EHMT2	1.041678189	0	0
CCDC153	CCDC153	18.7502074	16.72638764	4.460240545
13.73064124				
THRB	THRB	2.083356377	0.880336191	0
ECM1	ECM1	8.33342551	8.803361914	25.64638313
9.807600887				
CYP3A4	CYP3A4	0	4.460240545	0.980760089
AN010	AN010	979.1774974	617.9960064	715.8686075
560.9947707				
PTGIR	PTGIR	1657.309998	516.7573444	758.2408927
636.5132975				
CTSV	CTSV	155.2100501	169.9048849	75.82408927
187.3251769				
NDUFB5	NDUFB5	4618.801089	4841.849053	4091.15564
3969.136079				
PGM3	PGM3	1664.601746	1119.787636	1423.931794
1279.891916				
PRRG2	PRRG2	14.58349464	19.36739621	21.18614259
17.6536816				
RPL3	RPL3	45895.29932	35502.19793	51811.26923
47908.16881				
CYB5R2	CYB5R2	106.2511752	43.13647338	104.8156528

97.09524878					
CHPT1 CHPT1	1287.514241	2448.214948	868.6318462		
2508.784307					
DET1 DET1	214.5857069	135.5717735	207.4011853		
144.171733					
FAM63A FAM63A	659.3822934	605.6712997	549.7246472		
718.897145					
LMBRD1 LMBRD1	3433.37131	2561.778317	3366.366551		
2775.551051					
THBS4 THBS4	40.62544936	45.77748195	86.97469063		
76.49928692					
DNAJC11 DNAJC11	5669.854381	3675.403599	3727.646036		
4636.052939					
NAA38 NAA38	2047.939319	2940.322879	1391.59505		
1815.386924					
TMEM51 TMEM51	3.125034566	4.401680957	4.460240545		
5.884560532					
PHIP PHIP	4953.179787	4789.028881	5500.591652		
4612.514697					
PEX26 PEX26	506.2555997	502.6719653	378.0053862		
481.5532035					
LAMB3 LAMB3	90.62600242	143.4947992	15.61084191		
69.6339663					
RBF0X2 RBF0X2	64.5840477	83.63193819	111.5060136		
253.0361029					
MYL12B MYL12B	27896.14189	23990.92189	27612.23415		
25168.2654					
SORBS2 SORBS2	0 0	3.345180409	0		
SHBG SHBG	2.083356377	5.282017149	2.230120273		0
TMEM25 TMEM25	478.1302886	450.73213	935.5354543		
849.3382368					
EIF2B4 EIF2B4	5397.976374	2921.835819	3707.574953		
3668.042732					
SETD5 SETD5	2822.947891	4456.261801	4149.138767		
3853.406388					
PLEKHG6 PLEKHG6	9.375103698	9.683698106	5.575300681		
18.63444168					
PHB2 PHB2	15042.87472	10992.75802	10290.89		
11780.89019					
ZNF234 ZNF234	510.4223125	463.0568367	718.0987278		
654.1669791					
FNBP1L FNBP1L	68.75076045	31.69210289	291.0306956		
113.7681703					
TMEM110-MUSTN1	TMEM110-MUSTN1	2063.564492	1371.563786		
1277.858916	1311.276239				
NCOA7 NCOA7	1890.645912	2104.003498	4856.086893		
3859.290949					
RGMA RGMA	0 0.880336191	0	0		
RGS6 RGS6	135.4181645	80.99092961	28.99156354		
39.23040355					

ZNF444	ZNF444	987.5109229	1327.546977	931.0752138	
1056.278615					
MBNL1	MBNL1	17713.7376	20328.72333	22846.46713	
21118.70699					
MSI2	MSI2	90.62600242	191.0329535	62.44336763	
78.46080709					
PLAC1	PLAC1	2.083356377	5.282017149	0	5.884560532
FAM3A	FAM3A	816.6756999	907.6266134	975.6776192	
1078.836098					
FGF12	FGF12	0	0	5.575300681	1.961520177
C15orf41	C15orf41			736.4664794	555.4921368
507.352362	574.725412				
HIPK4	HIPK4	0	0	3.345180409	0
TMEM185A	TMEM185A			764.5917905	608.3123083
659.0005405	546.2833694				
ZNF18	ZNF18	842.7176547	751.8071075	826.259561	
789.5118714					
DTD1	DTD1	2596.903724	2562.658653	2401.839534	
2683.359603					
CCDC121	CCDC121	75.00082959	45.77748195	111.5060136	
80.42232727					
FAM155B	FAM155B	2.083356377	2.641008574	2.230120273	
1.961520177					
ZNF542P	ZNF542P	596.8816021	573.9791968	913.2342516	
982.7216088					
GTF2H2B	GTF2H2B	331.253664	67.78588674	340.0933416	
71.59548647					
CCT6P3	CCT6P3	98.95942793	94.19597248	132.6921562	
101.9990492					
TP73-AS1	TP73-AS1		736.4664794	1271.20546	
1073.802911	1379.929445				
LOC100996291	LOC100996291		4.166712755	10.5640343	0
8.826840798					
ATP5J2	ATP5J2	6288.611225	8011.939678	4388.876696	
5126.432983					
OSBPL8	OSBPL8	7094.870143	5988.046774	5410.271781	
4842.012558					
SNHG18	SNHG18	0	0.880336191	0	0.980760089
UBE2V1	UBE2V1	15457.46264	12335.27071	11104.8839	
12745.95811					
SLC25A12	SLC25A12		3308.369927	3592.651997	
2056.170891	2747.109008				
CARD14	CARD14	47.91719668	97.71731725	76.9391494	
98.07600887					
PRICKLE2-AS3	PRICKLE2-AS3		2.083356377	0	0
PDLIM3	PDLIM3	1.041678189	0	0	0
PIGT	PIGT	7044.86959	5612.14322	5602.062125	
5992.444142					
GMDS-AS1	GMDS-AS1		115.6262789	86.27294676	
119.3114346	117.6912106				

LARS2-AS1	LARS2-AS1	4.166712755	10.5640343
4.460240545	14.71140133		
CHMP1A CHMP1A	6213.610396	6916.801456	4675.447151
4924.396405			
PPP1R13L	PPP1R13L	13.54181645	46.65781815
17.84096218	31.38432284		
AP2B1 AP2B1	13097.01987	15767.70152	9920.690032
10447.05646			
COX7A1 COX7A1	1.041678189	0 0	0
CABIN1 CABIN1	1236.47201	1641.826997	1157.432421
1218.10403			
PPP2R2A PPP2R2A	1691.685378	2123.370894	1825.353443
1790.867922			
DGKZ DGKZ	2318.775648	5458.084387	2503.310006
2661.782881			
ZSCAN31 ZSCAN31	75.00082959	56.34151625	108.1608332
85.32612771			
SLC7A7 SLC7A7	28.12531109	18.48706002	35.68192436
31.38432284			
DMKN DMKN	2.083356377	1.760672383	5.575300681
8.826840798			
TPRA1 TPRA1	2971.907872	1610.134894	2995.051526
1928.174334			
PLEKHB1 PLEKHB1	257.2945126	205.1183326	1545.473349
1145.527784			
CLDN20 CLDN20	0 10.5640343	0	5.884560532
TNNT3 TNNT3	3.125034566	1.760672383	4.460240545
12.74988115			
TCTN3 TCTN3	7521.958201	4897.310233	5014.425433
4679.206383			
CDYL CDYL	727.0913757	1122.428644	908.7740111
940.548925			
ABCC3 ABCC3	0 0	0 1.961520177	
ZMYND8 ZMYND8	1848.978785	1797.646503	1516.481785
1739.868397			
PHF23 PHF23	2138.565321	2184.114091	2379.538331
2230.248442			
SEC13 SEC13	13268.89677	10660.87128	9052.058186
8929.820607			
TAF1 TAF1	892.7182077	1221.026298	1477.454681
1146.508544			
GLIPR2 GLIPR2	2415.65172	2211.404513	1914.558254
1861.482648			
ZNF512 ZNF512	2430.235214	2379.548725	2002.648005
2368.535614			
PCSK6 PCSK6	176.0436139	32.57243908	2.230120273
9.807600887			
MMAB MMAB	600.0066367	896.1822429	970.1023186
1096.489779			
MFAP3 MFAP3	1341.681507	1443.751354	1452.923358

1414.256048					
COASY	COASY	6969.868761	5797.013821	4794.758586	
6003.232503					
C2orf88	C2orf88	11.45846008	3.521344766	5.575300681	
0.980760089					
TUBB	TUBB	3046.908702	4020.495386	2346.086527	
4277.094747					
SEMA5B	SEMA5B	3.125034566	0	0	10.78836098
INTS9	INTS9	2682.321336	2314.403847	2096.313056	
2810.858414					
MAVS	MAVS	4511.508235	5172.855461	3269.35632	
4351.632513					
STON2	STON2	36.4587366	76.58924866	1.115060136	
37.26888337					
SLC11A2	SLC11A2	2702.113221	2545.932266	2769.809378	
2735.339887					
CELF4	CELF4	2.083356377	1.760672383	0	3.923040355
HIPK1	HIPK1	914.5934497	2540.650248	2447.556999	
1381.890965					
ZNF594	ZNF594	239.5859834	298.4339689	439.3336937	
404.0731565					
VPS13A	VPS13A	755.2166868	1552.032706	712.5234271	
867.9726785					
HERPUD1	HERPUD1	13372.02291	12323.82634	13987.31435	
11005.10895					
ATF3	ATF3	156.2517283	194.5542983	974.5625591	
337.3814705					
GPX4	GPX4	8161.548608	8989.112851	8512.36908	
6884.935822					
NHSL2	NHSL2	46.87551849	81.8712658	62.44336763	
81.40308736					
C12orf71	C12orf71		1.041678189	0	0
MANEAL	MANEAL	228.1275233	222.7250564	266.4993726	0
160.8446545					
TBCA	TBCA	3479.20515	3796.009657	3080.911157	
2757.897369					
CACNB4	CACNB4	5.208390943	0	13.38072164	4.903800443
ELP6	ELP6	2554.194919	2129.533247	1532.092627	
1834.021366					
ELFN1	ELFN1	1.041678189	1.760672383	0	0
DCAKD	DCAKD	1135.429226	1184.052177	1014.704724	
1512.332057					
EN01	EN01	258057.021	184496.4573	163002.8359	
216479.2513					
ZBTB17	ZBTB17	2333.359143	2520.402516	2160.986544	
2632.360078					
ARHGAP27	ARHGAP27		138.5431991	88.91395534	
18.95602232	25.49976231				
RNF130	RNF130	188.5437522	236.8104355	802.8432981	
1011.163651					

GNL3L	GNL3L	2264.608382	2662.136643	2292.56364	
2440.131101					
ADAMTS12	ADAMTS12	0	0	1.115060136	0
SLC35A2	SLC35A2	1647.934895	1478.964802	1781.866098	
1764.3874					
KIF13A	KIF13A	4.166712755	0	0	5.884560532
SLFN11	SLFN11	3822.958953	4857.695104	2563.523253	
2833.415896					
SMARCA2	SMARCA2	6374.028837	5714.262219	6862.080079	
6558.342713					
NYNRIN	NYNRIN	0	0	13.38072164	6.865320621
ZC3H12A	ZC3H12A	2792.739224	2062.627697	2660.533485	
3187.470288					
ROPN1B	ROPN1B	0	2.641008574	1.115060136	0
KRBA2	KRBA2	83.3342551	152.2981611	147.187938	
96.11448869					
C4B	C4B	1.041678189	0	3.345180409	2.942280266
CSAG1	CSAG1	19.79188559	1.760672383	4.460240545	0
FAM72B	FAM72B	1575.017421	1436.708664	741.5149906	
1108.2589					
SOGA3	SOGA3	752.0916522	561.6544901	548.609587	
371.7080736					
BIRC5	BIRC5	16813.72764	14237.67722	7775.31433	
9512.3921					
PEG10	PEG10	1.041678189	5.282017149	11.15060136	
8.826840798					
H2AFY	H2AFY	16933.52064	15669.98421	8813.435317	
10765.80349					
C2CD4B	C2CD4B	20.83356377	41.375801	1.115060136	
57.86484523					
SMPD1	SMPD1	258.3361908	614.4746616	325.5975598	
237.3439415					
TFG	TFG	5888.606801	4583.910549	6451.737948	
5888.483572					
TYMS05	TYMS05	2783.36412	3131.355833	1415.011313	
2077.249868					
C9orf106	C9orf106	0	0.880336191	1.115060136	
1.961520177					
ICAM4	ICAM4	29.16698928	24.64941336	10.03554123	
4.903800443					
HARS	HARS	12387.63702	8581.517194	7553.417363	
8860.186641					
SPDYE3	SPDYE3	385.4209298	384.7069157	353.4740632	
510.9760062					
MRPS18C	MRPS18C	4579.217318	5242.40202	4383.301396	
4553.669092					
WNK1	WNK1	1906.271085	6197.566788	2194.438348	
2435.2273					
GLYCTK	GLYCTK	689.5909609	599.5089464	479.4758586	
476.6494031					

DNAJC19	DNAJC19	2778.155729	2610.196808	2867.93467
2941.299506				
GDF11	GDF11	250.0027653	267.6222022	253.1186509
263.8244639				
IRF3	IRF3	2790.655868	2599.632773	2677.259387
2721.609246				
IRAK1	IRAK1	10265.73855	10245.3526	8027.317921
10081.23295				
FFAR1	FFAR1	0	0	0.980760089
GPR18	GPR18	503.1305651	706.9099617	1466.304079
1252.430633				
NBPF9	NBPF9	576.0480384	987.7372068	759.3559528
769.8966696				
ZKSCAN8	ZKSCAN8	253.1277999	744.764418	599.9023533
503.1299255				
IDS	IDS	12908.47611	10930.25415	15511.60156
10505.90207				
TBX5	TBX5	0	0	0.980760089
ABCD3	ABCD3	3431.287954	3494.93468	3102.097299
4244.729664				
PEX19	PEX19	6620.906567	5369.170432	5190.604934
5463.814454				
RSPH4A	RSPH4A	2.083356377	6.16235334	42.37228518
3.923040355				
JUND	JUND	5379.226166	5048.728058	3717.610494
5181.355548				
CCDC65	CCDC65	66.66740408	59.86286102	44.60240545
55.90332505				
1-Mar	1-Mar	15.62517283	35.21344766	20.07108245
5.884560532				
SHMT2	SHMT2	13895.98704	11106.32139	11728.20251
12622.38234				
ZCCHC6	ZCCHC6	5085.472917	5370.050768	5546.309118
5143.105905				
CNTLN	CNTLN	20.83356377	239.4514441	5.575300681
86.3068878				
POP1	POP1	1706.268873	1137.394359	1314.655901
1072.951537				
CFAP97	CFAP97	2461.48556	2848.767915	2880.200332
4100.557931				
HMCES	HMCES	7270.913757	5377.093457	6826.398154
6952.608269				
RAI14	RAI14	5.208390943	7.923025723	102.5855325
53.94180488				
NCKIPSD	NCKIPSD	2035.439181	2162.105686	1196.459526
2258.690484				
TRIM55	TRIM55	0	1.115060136	0
DEPDC1	DEPDC1	3866.709436	3339.115174	1685.970926
1710.445595				
KIR2DL4	KIR2DL4	0	0.880336191	0
				6.865320621

C11orf73	C11orf73		3778.16679	3624.3441
2614.81602	3273.777176			
AMZ2 AMZ2	8929.265434		6834.049854	6831.973455
6180.750079				
SHPK SHPK	1770.852921		1533.545645	1161.892662
1495.659135				
PCSK1N PCSK1N	12.50013826		5.282017149	128.2319157
71.59548647				
USF2 USF2	343.7538023		414.6383462	364.6246646
304.0356275				
UQCRC1 UQCRC1	24136.72531		17182.40178	13381.8367
16742.55547				
SLC13A3 SLC13A3	41.66712755		62.50386959	84.74457036
48.05724434				
BFSP1 BFSP1	45.8338403		80.99092961	26.76144327
23.53824213				
PLCE1 PLCE1	13.54181645		34.33311147	24.531323
14.71140133				
NRG3 NRG3	0 0	0	0.980760089	
GPS1 GPS1	9630.314855		7216.996097	5913.163903
6939.858387				
SEC22C SEC22C	3303.161536		2715.837151	3036.308751
2668.648201				
XKR6 XKR6	27.08363291		44.89714576	39.02710477
37.26888337				
FAM115C FAM115C	2360.442776		3553.036869	2854.553949
3248.277414				
IZUM04 IZUM04	48.95887487		74.82857627	36.7969845
41.19192372				
MDH1B MDH1B	42.70880574		36.97412004	25.64638313
47.07648426				
EXOSC2 EXOSC2	4251.088688		3673.642927	3811.275546
4008.366482				
MYH11 MYH11	1471.891281		1231.590332	1353.683005
1153.373864				
ETV1 ETV1	20.83356377		44.01680957	27.87650341
51.9802847				
DHCR7 DHCR7	2315.650613		2829.400519	1747.299234
2962.876228				
MKS1 MKS1	1610.43448		1198.137557	1900.062472
1676.118992				
ZGPAT ZGPAT	4844.845256		3869.957898	3357.44607
3566.043682				
FES FES	663.5490062		837.1997181	90.31987104
364.842753				
A2M A2M	3.125034566	0	3.345180409	19.61520177
MCM8-AS1	MCM8-AS1		7.291747321	33.45277527
5.575300681	19.61520177			
MATR3 MATR3	28751.35969		26201.44607	31072.26576
28285.12096				

RBM10	RBM10	4319.839449	5001.189904	4084.465279
4276.113987				
FAH	FAH	3305.244893	2737.845555	1872.185969
2611.764116				
KRT18	KRT18	103.1261407	102.1189982	480.5909187
438.3997596				
FOXP1	FOXP1	5921.940503	4649.055427	11378.07363
10903.10991				
MED24	MED24	8724.05483	6971.3823	6278.903627
6924.166226				
SNX15	SNX15	768.7585033	1403.255889	713.6384872
751.2622279				
NCOA1	NCOA1	4762.552679	4536.372394	6414.940964
5828.657207				
AMZ1	AMZ1	21.87524196	31.69210289	21.18614259
23.53824213				
CCBE1	CCBE1	1.041678189	0	1.961520177
CMC4	CMC4	427.0880574	556.372473	486.1662194
489.3992842				
MIR6861	MIR6861	8.33342551	9.683698106	15.61084191
11.76912106				
MIR6502	MIR6502	2.083356377	0.880336191	0
CDC14B	CDC14B	229.1692015	806.3879514	257.5788915
482.5339636				
PPAPDC1B	PPAPDC1B		1197.929917	1427.024966
2050.595591		1646.696189		
MYOZ3	MYOZ3	2.083356377	14.96571525	8.92048109
1.961520177				
SARDH	SARDH	121.8763481	109.1616877	428.1830923
492.3415645				
UFD1L	UFD1L	8374.050959	6072.559049	5024.460974
4874.377641				
RNF214	RNF214	646.8821552	743.8840818	599.9023533
541.3795689				
NPW	NPW	68.75076045	58.10218863	59.09818722
35.30736319				
EPHA10	EPHA10	0	22.88874098	0
13.73064124				
CA10	CA10	3.125034566	2.641008574	0
0				
ACD	ACD	3906.293208	3246.679874	3462.261723
3842.618027				
CBS	CBS	311.4617784	1024.711327	371.3150254
538.4372887				
CLINT1	CLINT1	11219.91577	10068.40502	8003.901658
8425.709922				
SPTA1	SPTA1	1.041678189	0	3.345180409
1.961520177				
ARHGEF4	ARHGEF4	2.083356377	13.20504287	44.60240545
7.846080709				
UNC79	UNC79	9.375103698	9.683698106	28.99156354
9.807600887				
FNIP1	FNIP1	785.4253543	1419.982277	1415.011313

931.7220842					
DACT1	DACT1	26.04195472	30.8117667	876.4372671	
235.3824213					
SLC34A3	SLC34A3	0	0	1.115060136	0
ITPRIP	ITPRIP	2638.570852	2851.408924	3373.056912	
3441.487151					
LOC389831	LOC389831		67.70908227	2164.746695	
21.18614259		908.1838421			
PASK	PASK	3980.252359	3963.273534	2763.119018	
3874.00235					
PRPS2	PRPS2	5529.227826	5304.90589	5415.847082	
6151.327276					
NSG1	NSG1	91.66768061	78.34992104	530.7686249	
253.0361029					
ARHGEF28	ARHGEF28		5.208390943	0	49.062646
6.865320621					
SLC7A9	SLC7A9	0	0	4.460240545	1.961520177
GRID2IP	GRID2IP	0	6.16235334	4.460240545	6.865320621
FAM47E	FAM47E	1.041678189	4.401680957	28.99156354	0
BCL6	BCL6	113.5429226	300.1946413	1149.627	
1023.913533					
GPC3	GPC3	13.54181645	22.00840479	170.6042008	
384.4579548					
GTF3C5	GTF3C5	5537.561251	5092.744867	4319.742968	
4191.768619					
KIF17	KIF17	0	6.16235334	0	1.961520177
FAM124B	FAM124B	164.5851538	53.70050768	16.72590204	
27.46128248					
ICAM2	ICAM2	5108.389837	3259.004581	5792.737408	
4242.768144					
TOR2A	TOR2A	1591.684272	1250.077392	1080.493272	
1147.489304					
ZBTB37	ZBTB37	97.91774974	125.0077392	138.2674569	
118.6719707					
NSUN5	NSUN5	4022.961165	2786.264046	3036.308751	
3354.199503					
APEX2	APEX2	4679.218424	3509.020059	3307.268364	
4141.749854					
PLEKHM1	PLEKHM1	389.5876426	492.9882672	553.0698276	
323.6508293					
CRHR1	CRHR1	112.5012444	84.51227438	126.0017954	
131.4218519					
ZNF347	ZNF347	113.5429226	194.5542983	739.2848703	
464.880282					
GLRA2	GLRA2	1.041678189	0	4.460240545	0
SNORD15A	SNORD15A		12.50013826	7.923025723	
8.92048109		12.74988115			
PTPRD	PTPRD	1.041678189	3.521344766	0	16.67292151
CSMD3	CSMD3	0	0	3.923040355	
TTC39C	TTC39C	1373.973531	1123.30898	2706.250951	

2294.978607				
SLC29A1	SLC29A1	7426.123807	4001.12799	4755.731481
5440.276212				
G0S2	G0S2	636.4653733	351.2541404	463.8650167
405.0539166				
OXR1	OXR1	1388.557026	1175.248816	1749.529354
1553.52398				
CALU	CALU	9002.182907	6468.710335	6371.453619
6014.020864				
CYP2C8	CYP2C8	0	3.521344766	0
1.961520177				
MYCL	MYCL	1.041678189	8.803361914	43.48734531
7.846080709				
RRAS2	RRAS2	4490.674671	2514.240163	2755.313597
1615.311866				
CNPPD1	CNPPD1	5785.48066	4479.150542	6302.31989
5053.856737				
POLR3GL	POLR3GL	1680.226918	1683.202798	2100.773297
1877.17481				
AK9	AK9	236.4609488	213.9216945	400.3065889
439.3805197				
IL20RB	IL20RB	20.83356377	26.41008574	43.48734531
36.28812328				
CREB5	CREB5	0	6.16235334	0
2.942280266				
BIN1	BIN1	4149.004226	2653.333281	2488.814224
2596.071955				
LDB2	LDB2	0	0	0.980760089
1673.705265				
PICALM	PICALM	2855.239915	5744.193649	1673.705265
1239.680752				
CITED1	CITED1	4.166712755	8.803361914	0
4.903800443				
CAB39L	CAB39L	822.9257691	741.2430732	609.9378945
643.3786182				
ZNF300	ZNF300	42.70880574	31.69210289	163.91384
92.19144833				
BIRC7	BIRC7	0	0	2.942280266
1241.061932				
ANKRD40	ANKRD40	755.2166868	1845.184657	1241.061932
929.7605641				
SLC39A8	SLC39A8	10862.62015	7117.518108	8688.548582
6793.725134				
MOAP1	MOAP1	2384.401374	1790.603813	2718.516612
2702.974804				
CASP8	CASP8	4705.260378	5653.519021	6612.306608
5175.470988				
TBC1D3H	TBC1D3H	43.75048393	54.58084387	51.29276627
65.71092594				
SMARCA4	SMARCA4	4981.305098	7179.141641	4649.800768
5246.085714				
VWA9	VWA9	5544.852998	4422.809026	5214.021197
4881.242961				
BZW1	BZW1	28766.98486	24013.81063	25774.61505
32419.02473				

LCA5	LCA5	19.79188559	14.96571525	26.76144327
18.63444168				
MRPL32	MRPL32	4630.259549	3293.337692	4707.783895
3549.370761				
CASP12	CASP12	1.041678189	4.401680957	21.18614259
2.942280266				
DLX2	DLX2	0	3.521344766	2.230120273
0				0
RAPGEF3	RAPGEF3	37.50041479	20.2477324	52.4078264
53.94180488				
TP53INP1	TP53INP1		1340.639829	3313.585425
3335.144868	2861.857939			
PFKFB1	PFKFB1	37.50041479	29.93143051	36.7969845
26.48052239				
SSBP2	SSBP2	2000.022122	2655.97429	2179.942566
1681.022792				
TRIB3	TRIB3	2566.695057	1928.816595	3538.085812
2776.531811				
LPP	LPP	672.9241099	592.4662568	679.071623
861.1073579				
SIGLEC7	SIGLEC7	0	0	1.961520177
0				
PPP1R11	PPP1R11	344.7954805	1277.367814	410.3421301
1760.464359				
MAGEF1	MAGEF1	822.9257691	1194.616212	1305.73542
1751.637518				
RTEL1	RTEL1	1528.141903	2407.719484	1082.723392
1998.789061				
LRRC4	LRRC4	3.125034566	3.521344766	0
0				0.980760089
LIAS	LIAS	950.0105081	566.0561711	838.5252225
875.8187592				
ST13	ST13	11083.45593	8937.173015	14359.74443
10568.67072				
CORIN	CORIN	1.041678189	0	1.115060136
0				0
ANXA8L1	ANXA8L1	0	0	0.980760089
0				
RPL4	RPL4	37761.87602	24865.09573	33094.98484
32286.62212				
LRP5	LRP5	787.5087107	775.5761847	295.4909361
333.4584301				
ZW10	ZW10	4435.465727	3524.866111	3240.364756
3303.199979				
CCRL2	CCRL2	754.1750086	654.9701264	376.8903261
384.4579548				
HLA-DQB1	HLA-DQB1		982.3025319	4705.396943
330.0578003	1398.563886			
SLC20A2	SLC20A2	2319.817326	1297.615546	1678.165505
1371.102604				
KCNS1	KCNS1	15.62517283	45.77748195	3.345180409
74.53776674				
SRSF12	SRSF12	0	11.44437049	55.75300681
0				26.48052239
DPH3P1	DPH3P1	6.250069132	32.57243908	30.10662368
64.73016585				

ROM01	ROM01	4310.464345	5076.01848	3070.875615
3995.616601				
TSGA10	TSGA10	104.1678189	66.02521436	322.2523794
135.3448922				
YTHDF3	YTHDF3	5201.099196	4772.302494	5653.354891
4956.761488				
STK25	STK25	4446.924188	4037.221774	3893.789996
4868.49308				
CRAT	CRAT	1171.887962	1375.965467	1484.145041
1574.119942				
TANG02	TANG02	3284.411329	2554.735628	2164.331724
2411.689058				
SNX5	SNX5	5830.272822	5415.82825	5726.94886
5520.698539				
GUCY2EP	GUCY2EP	0	6.690360818	0
MZF1	MZF1	392.7126771	514.1163358	420.3776714
410.9384772				
TMEM161A	TMEM161A		1251.055505	1159.402764
962.2968976	1431.909729			
SFSWAP	SFSWAP	1225.01355	1298.495882	1432.852275
1108.2589				
TNIP1	TNIP1	5213.599334	7996.093627	5628.823568
6943.781428				
ALG9	ALG9	2048.980997	1558.195059	1680.395625
1733.983837				
NT5C	NT5C	2242.73314	2258.062331	1581.155273
2291.055567				
C6orf106	C6orf106		2357.317741	2440.291923
2165.446785	1788.906402			
NAIF1	NAIF1	769.8001814	885.6182086	689.1071642
763.031349				
PTPRN2	PTPRN2	360.4206533	429.6040614	250.8885307
254.9976231				
LGMM	LGMM	10386.57322	11043.81752	2989.476225
3030.548674				
LOC100289656	LOC100289656		1.041678189	0.880336191
1.115060136	0.980760089			
SZRD1	SZRD1	5262.558209	5767.08239	3900.480357
4171.172657				
RBM46	RBM46	0	5.282017149	3.345180409
3.923040355				
RNF216	RNF216	3130.242957	3024.835154	5729.17898
5153.894266				
LRRC20	LRRC20	508.3389561	1037.036034	425.9529721
520.7836071				
ADAM15	ADAM15	2985.449689	2961.450948	2418.565436
2759.85889				
C19orf83	C19orf83		242.711018	363.5788471
404.7668295	687.5128222			
CD8B	CD8B	258.3361908	475.3815434	3061.955134
206.9403787				

AGBL5	AGBL5	6795.908503	6654.461271	6947.939709
6556.381193				
ILK	ILK	12048.04993	9181.026141	9840.405703
10638.30468				
VASP	VASP	4302.130919	5966.918706	2934.838279
3504.255797				
LEPR	LEPR	807.3005962	838.0800542	748.2053514
768.9159095				
FAM115A	FAM115A	703.1327774	1140.915704	817.3390799
1373.064124				
NCBP1	NCBP1	11037.62209	8607.046944	8617.184733
8808.206356				
TCF7L2	TCF7L2	0	0.880336191	40.14216491
				19.61520177
SERINC2	SERINC2	18.7502074	3.521344766	7.805420954
15.69216142				
LINC00380	LINC00380	0	0	0
				0.980760089
GCDH	GCDH	1716.685655	1986.918784	1371.523968
1894.828491				
KEL	KEL	0	7.923025723	4.460240545
				10.78836098
ZNF821	ZNF821	162.5017974	352.1344766	156.1084191
280.4973854				
HPSE	HPSE	1148.971042	2003.645172	1117.290257
1439.75581				
TXLNG	TXLNG	2652.112668	1457.836733	3354.10089
2182.191197				
SPDYE2B	SPDYE2B	143.75159	138.2127821	136.0373366
117.6912106				
TMEM187	TMEM187	460.4217594	429.6040614	609.9378945
447.2266004				
NAA10	NAA10	5215.682691	4291.638933	4500.38271
4639.975979				
NRIP1	NRIP1	1547.933788	1387.409838	2382.883511
1638.850108				
A1CF	A1CF	0	1.760672383	0
				0
DDIT3	DDIT3	1879.187452	1269.444788	5410.271781
2423.458179				
DAZL	DAZL	9.375103698	0	17.84096218
				5.884560532
ARG2	ARG2	4214.629951	2749.289926	3444.420761
3072.721358				
PEX11B	PEX11B	3134.40967	2310.882503	3302.808124
2841.261977				
JRK	JRK	676.0491445	1309.059917	706.9481264
825.7999947				
TRAF3IP2	TRAF3IP2		1362.515071	956.9254401
1053.731829	1010.182891			
PLA2R1	PLA2R1	1.041678189	0	0
				0.980760089
IP6K2	IP6K2	4286.505746	3624.3441	3274.93162
3734.734418				
MIR3942	MIR3942	1.041678189	0	0
				2.942280266
MIR3928	MIR3928	2.083356377	0	0
				0

MIR3940	MIR3940	78.12586415	404.0743119	114.851194	
		110.82589			
MIR3939	MIR3939	11.45846008	18.48706002	2.230120273	
		8.826840798			
MIR3936	MIR3936	0	0	2.942280266	
LOC151484	LOC151484		6.250069132	4.401680957	
		6.690360818	1.961520177		
HLA-F	HLA-F	569.7979692	449.8517938	935.5354543	
		515.8798066			
UBP1	UBP1	1596.892663	2753.691607	1972.541381	
		1548.62018			
APP	APP	166.6685102	510.594991	265.3843124	
		242.2477419			
LOC100652758	LOC100652758		47.91719668	84.51227438	
		109.2758934	84.34536763		
CNIH4	CNIH4	3514.622209	3697.412004	3056.379834	
		2993.279791			
LOC101928844	LOC101928844		0	0.880336191	0
		ZNF503-AS1	0	0	2.230120273
		1.961520177			
PROSER2-AS1	PROSER2-AS1		3.125034566	1.760672383	
		16.72590204	10.78836098		
ARMCX5	ARMCX5	589.5898548	546.6887749	1161.892662	
		939.5681649			
KTN1	KTN1	3357.328802	4161.349177	3884.869515	
		4055.442967			
RILP	RILP	204.168925	150.5374887	148.3029981	
		180.4598563			
CPVL	CPVL	211.4606723	168.1442126	18.95602232	
		19.61520177			
POM121	POM121	2433.360249	4022.256059	2592.514817	
		3498.371236			
ZNF749	ZNF749	291.6698928	261.4598489	382.4656267	
		439.3805197			
LDLRAD2	LDLRAD2	3.125034566	0.880336191	11.15060136	0
		TM2D2	1564.357412	2023.834147	
		1841.867447			
AGAP6	AGAP6	248.9610871	360.0575023	324.4824997	
		327.5738696			
TNFAIP8	TNFAIP8	10917.8291	11717.27471	13488.88247	
		16644.47946			
SGOL1	SGOL1	3189.618614	3038.040197	1275.628796	
		1863.444168			
MARK3	MARK3	6150.068026	4304.843976	5675.656094	
		5069.548898			
MIR7161	MIR7161	23.95859834	18.48706002	12.2656615	
		26.48052239			
CHRNA3	CHRNA3	64.5840477	47.53815434	62.44336763	
		57.86484523			
ANKS1B	ANKS1B	146.8766246	343.3311147	141.6126373	

212.8249392					
USP1	USP1	8263.633071	8057.71716	8245.869708	
7044.799717					
SDC2	SDC2	22.91692015	26.41008574	34.56686422	
106.9028497					
SIAH1	SIAH1	1011.469521	1114.505618	1282.319157	
1172.008306					
SHC1	SHC1	2511.486113	3023.074481	2486.584104	
2155.710675					
SRC	SRC	34.37538023	128.529084	51.29276627	
121.614251					
SPRR3	SPRR3	0	0	1.115060136	0
RPL37	RPL37	8951.140675	12598.49124	11213.04473	
10037.09875					
TP53I11	TP53I11	387.5042862	735.961056	1436.197456	
2606.860316					
RUNX1T1	RUNX1T1	0	0	3.345180409	1.961520177
GABBR1	GABBR1	6.250069132	0	7.805420954	0
USP5	USP5	9262.602454	8452.107774	6401.560242	
8120.693534					
PIGG	PIGG	3088.575829	2312.643175	2675.029267	
2638.244639					
FAM210A	FAM210A	1464.599533	1200.778565	1546.588409	
1120.028021					
ANKRD19P	ANKRD19P		19.79188559	34.33311147	
36.7969845					
INPP5J	INPP5J	9.375103698	0	3.345180409	0.980760089
SMEK1	SMEK1	12556.38889	9923.14955	14645.19983	
10297.00017					
DMRTC2	DMRTC2	2.083356377	0	0	0
SMIM6	SMIM6	0	0	1.961520177	
MPC2	MPC2	2913.573894	3006.348094	2361.697369	
2581.360553					
CECR6	CECR6	0	0.880336191	0	3.923040355
C17orf99	C17orf99		4.166712755	1.760672383	0
0					
TRMT1	TRMT1	3153.159877	1756.270702	3415.429197	
3546.428481					
ZNF83	ZNF83	581.2564293	801.9862704	1215.415549	
1507.428256					
PQLC1	PQLC1	931.2603007	2166.507367	1057.077009	
1257.334434					
EIF4E	EIF4E	11950.13218	8272.519191	9626.314156	
9445.700414					
ASNS	ASNS	4816.719945	4657.858789	5978.952451	
5463.814454					
RBM24	RBM24	0	0	3.923040355	
COQ6	COQ6	1702.10216	1346.034037	1387.13481	
1506.447496					
STK11	STK11	4880.262314	4436.014069	4469.161026	

4467.362204				
PSEN2	PSEN2	1486.474775	1141.79604	885.3577482
759.1083086				
BLMH	BLMH	5674.021094	4277.553554	3446.650881
3593.504965				
DGUOK-AS1	DGUOK-AS1		2319.817326	1675.279772
2725.206973		2125.307112		
CCDC84	CCDC84	6089.650691	6260.070657	10843.95983
8265.846027				
EPPK1	EPPK1	9.375103698	37.85445623	134.9222765
154.960094				
PARP1	PARP1	30055.54078	27757.88045	19056.37773
23803.04735				
SLC25A11	SLC25A11		9894.901114	6735.452201
5426.997683		6237.634164		
PLA2G10	PLA2G10	0	1.760672383	0
				2.942280266
RUVBL1	RUVBL1	9829.275389	6570.829333	6113.874727
7170.337008				
CASK	CASK	1891.687591	1130.35167	1997.072704
2146.883834				
SEH1L	SEH1L	7445.915693	6323.454863	8060.769725
7862.753631				
RYR1	RYR1	162.5017974	136.4521097	36.7969845
74.53776674				
CD274	CD274	1057.303362	739.4824008	3794.549644
2358.728013				
KIAA0895L	KIAA0895L		428.1297356	489.4669224
191.7903434		270.6897845		
TMEM220-AS1	TMEM220-AS1		9.375103698	8.803361914
26.76144327		28.44204257		
CD37	CD37	1427.099119	2002.764836	1699.351648
1704.561034				
ARL16	ARL16	1526.058546	1302.897563	1536.552868
1461.332532				
ZNF385A	ZNF385A	2.083356377	3.521344766	21.18614259
20.59596186				
TCEAL4	TCEAL4	94.79271517	361.8181747	398.0764686
620.8211361				
GDF9	GDF9	3443.788092	3591.771661	2883.545512
2818.704495				
C4orf3	C4orf3	3565.66444	4303.083304	6722.697562
6217.038202				
LIMCH1	LIMCH1	0	0	23.41626286
NOS3	NOS3	796.8838144	340.6901061	3.923040355
514.8990466				619.9734358
F12	F12	58.33397857	82.751602	34.56686422
94.15296851				
HDAC2	HDAC2	9407.395722	8123.742375	9228.237688
9293.6826				
ZNF222	ZNF222	140.6265555	145.2554716	309.9867179

177.517576				
PSMD6-AS2	PSMD6-AS2	248.9610871	253.5368231	
509.5824823	314.8239885			
MGAT4EP	MGAT4EP	0	0.880336191	0
PITRM1-AS1	PITRM1-AS1	2338.567534	1482.486146	
2186.632927	1778.118041			
LINC01021	LINC01021	3.125034566	11.44437049	
13.38072164	10.78836098			
LINC00665	LINC00665	17.70852921	20.2477324	
36.7969845	47.07648426			
EFCAB14-AS1	EFCAB14-AS1	1013.552878	798.4649256	
1191.999286	901.3185215			
TBC1D2B	TBC1D2B	3109.409393	5632.390953	2698.44553
3735.715178				
CRLS1	CRLS1	3834.417413	2840.84489	3447.765941
3400.295227				
SGSM2	SGSM2	556.2561528	1457.836733	936.6505145
1571.177662				
SRGAP3	SRGAP3	134.3764863	93.31563629	136.0373366
47.07648426				
TRIP4	TRIP4	3060.450518	1826.697597	2363.927489
2001.731341				
CD96	CD96	10638.65934	10148.51561	9407.76237
8250.153866				
QRFP	QRFP	0	0	1.115060136
0	0			0
TEX9	TEX9	7.291747321	29.05109432	22.30120273
20.59596186				
SYF2	SYF2	2667.737841	2078.473748	3608.334601
2743.185968				
CES1	CES1	8.33342551	4.401680957	0
0	0			0
EFTUD1	EFTUD1	2786.489155	2089.037782	2288.1034
2613.725636				
C20orf194	C20orf194	115.6262789	159.3408507	
74.70902913	147.1140133			
U2AF2	U2AF2	596.8816021	1091.616877	512.9276627
500.1876452				
HHLA3	HHLA3	347.920515	404.0743119	698.0276453
507.0529658				
TROVE2	TROVE2	6291.73626	4781.105856	6670.289735
5415.75721				
RALGDS	RALGDS	5926.107216	6356.027302	4253.95442
6888.858863				
ABCE1	ABCE1	15157.45932	10824.61381	14288.38059
14423.05786				
PRKCSH	PRKCSH	1839.603681	4072.435222	1999.302824
1893.847731				
LACE1	LACE1	178.1269703	153.1784973	122.656615
139.2679326				
NUDCD1	NUDCD1	4710.468769	3254.6029	4054.358655
3815.156745				

RASGEF1A	RASGEF1A	29.16698928	66.90555055	
83.62951022	152.9985738			
KCTD4 KCTD4	5.208390943	3.521344766	0 0	
ZNHIT6 ZNHIT6	2258.358313	1847.825666	2230.120273	
2313.613049				
LAS1L LAS1L	6462.571483	4764.379468	5225.171799	
5622.697588				
SCAPER SCAPER	1020.844625	1168.206126	1480.799861	
1489.774575				
IL27RA IL27RA	14372.03397	10648.54657	9660.881021	
12591.97878				
C6orf48 C6orf48	2.083356377	0 2.230120273	0	
BCL11A BCL11A	0 0.880336191	13.38072164	2.942280266	
GPR155 GPR155	610.4234186	558.1331454	2666.108786	
1475.063173				
LRRC75A LRRC75A	430.2130919	268.5025384	728.134269	
440.3612798				
LRP8 LRP8	4018.794452	3030.997507	3199.107531	
2963.856988				
KCTD18 KCTD18	841.6759765	999.1815773	1122.865557	
1033.721133				
TRMT10B TRMT10B	572.9230038	458.6551557	734.8246298	
647.3016585				
VN1R10P VN1R10P	0 0	0 0.980760089		
RPA30S RPA30S	1314.597874	1467.520431	1481.914921	
1851.675047				
LOC728730	LOC728730	64.5840477	50.17916291	
115.9662542	74.53776674			
LOC400685	LOC400685	4.166712755	29.05109432	
126.0017954	43.1534439			
WFDC21P WFDC21P	0 0	0 1.961520177		
MIR320A MIR320A	3.125034566	1.760672383	7.805420954	0
USP3-AS1	USP3-AS1	922.9268752	815.1913133	
987.9432807	968.0102075			
LOC643733	LOC643733	33.33370204	64.26454197	
403.6517693	234.4016612			
LOC440434	LOC440434	363.5456879	427.843389	
334.5180409	372.6888337			
THAP9-AS1	THAP9-AS1	1207.305021	1118.907299	
1733.918512	1399.544647			
LOC283038	LOC283038	47.91719668	49.29882672	
80.28432981	30.40356275			
LINC00837	LINC00837	0 0	2.230120273	0
LOC285484	LOC285484	34.37538023	17.60672383	
16.72590204	9.807600887			
RNF213 RNF213	30089.91616	42154.01819	21217.36427	
17709.58492				
TIAM2 TIAM2	636.4653733	627.6797045	544.1493465	
512.9375264				
LHFP LHFP	246.8777307	60.74319721	462.7499566	

123.5757712				
HRSP12 HRSP12	894.8015641	699.8672722	795.0378772	
758.1275485				
C8orf58 C8orf58	245.8360525	298.4339689	437.1035734	
618.8596159				
SPDYA SPDYA	326.0452731	317.8013651	238.6228692	
403.0923964				
PIK3R5 PIK3R5	3491.705289	5977.48274	3042.999112	
3841.637267				
RPGRIP1L RPGRIP1L		361.4623315	358.2968299	
396.9614085	407.0154368			
SRRM5 SRRM5	218.7524196	301.0749775	224.1270874	
283.4396656				
C1orf228 C1orf228		146.8766246	82.751602	
585.4065715	834.6268355			
ORMDL1 ORMDL1	6143.817957	4922.839983	7180.987278	
5223.528232				
FAM71F2 FAM71F2	1.041678189	9.683698106	1.115060136	
0.980760089				
SYCE1 SYCE1	23.95859834	36.97412004	32.33674395	
72.57624656				
SLC05A1 SLC05A1	44.79216211	15.84605145	6.690360818	
4.903800443				
CDK16 CDK16	2468.777307	2644.529919	2389.573872	
2516.630388				
CALCOC01 CALCOC01		1392.723738	1379.486812	
2115.269078	1977.212339			
GM2A GM2A	2105.231619	2064.388369	918.8095523	
1724.176236				
FBXL19 FBXL19	26.04195472	122.3667306	16.72590204	
38.24964346				
SLC25A19 SLC25A19		4430.257337	2844.366235	
3357.44607	3784.753182			
HDAC8 HDAC8	2021.897364	1916.491889	1234.371571	
1687.888113				
IGF2 IGF2	1.041678189	11.44437049	3.345180409	
112.7874102				
9-Sep 9-Sep	4363.589932	15306.40536	4605.198363	
6452.420623				
MTRNR2L4 MTRNR2L4		0 0	0 0.980760089	
MTRNR2L3 MTRNR2L3		5.208390943	12.32470668	
51.29276627	25.49976231			
TMEM116 TMEM116	532.2975544	569.5775159	1236.601691	
764.0121091				
NUDT16L1 NUDT16L1		4221.921699	2416.522845	
3260.435838	2668.648201			
CSH2 CSH2	0 0	2.230120273	0	
FAHD1 FAHD1	1018.761269	809.0289599	821.7993204	
909.1646022				
CABP1 CABP1	2.083356377	2.641008574	0 2.942280266	

LINC01355	LINC01355	28.12531109	61.6235334
47.94758586	44.13420399		
TACR1 TACR1	9.375103698	6.16235334	0 0
VCPIP1 VCPIP1	2489.610871	2676.222022	4263.989961
2753.974329			
PEA15 PEA15	497.9221742	1816.133563	884.2426881
788.5311113			
FKBP1B FKBP1B	83.3342551	91.55496391	121.5415549
64.73016585			
ZDHHC8 ZDHHC8	112.5012444	595.9876016	196.250584
314.8239885			
SFI1 SFI1	3918.793346	3957.991517	3220.293674
4616.437737			
GPR68 GPR68	3377.120688	2799.469089	1452.923358
1322.0646			
SH3YL1 SH3YL1	280.2114328	260.5795127	647.8499392
482.5339636			
ATN1 ATN1	107.2928534	386.467588	181.7548022
168.6907353			
MPP3 MPP3	0 0	6.690360818	10.78836098
PDGFB PDGFB	0 14.08537906	0	83.36460754
IL11 IL11	1.041678189	0.880336191	0 0
ATP5D ATP5D	3639.623591	3990.563956	2892.465993
3560.159122			
MYC MYC	4596.925847	3485.250982	6743.883704
8613.035099			
ERCC8 ERCC8	967.7190373	887.378881	793.922817
878.7610394			
FNDC3B FNDC3B	1036.469798	753.5677799	895.3932894
1019.990492			
ALDH4A1 ALDH4A1	803.1338835	1045.839395	432.6433329
728.7047459			
EPRS EPRS	12707.43222	9739.159286	14733.28958
12051.57997			
PRSS12 PRSS12	6.250069132	8.803361914	0 9.807600887
MAP4K3 MAP4K3	352.0872278	266.741866	509.5824823
414.8615175			
SOCS5 SOCS5	209.3773159	221.8447202	676.8415027
315.8047486			
ALKBH6 ALKBH6	1761.477817	1293.213865	1044.811348
1418.179088			
ANKRD20A3	ANKRD20A3	3.125034566	10.5640343
4.460240545	1.961520177		
RUNX2 RUNX2	1550.017145	4061.871187	741.5149906
1956.616377			
C20orf27	C20orf27	2010.438904	1606.613549
1570.004672	1837.944406		
GLB1 GLB1	7168.829295	4497.637602	5809.46331
5057.779777			
AHCYL2 AHCYL2	2136.481965	2246.617961	2096.313056

2724.551526				
APBB2 APBB2	27.08363291	55.46118006	57.98312709	
40.21116364				
PRR7 PRR7	96.87607155	182.2295916	179.5246819	
186.3444168				
SLIT1 SLIT1	8.33342551	35.21344766	4.460240545	
18.63444168				
EZH2 EZH2	10842.82827	8990.873523	7828.837217	
7145.818006				
AGAP7P AGAP7P	22.91692015	19.36739621	16.72590204	
17.6536816				
PCGF6 PCGF6	1348.973254	1162.043773	1045.926408	
1015.086692				
PPP6C PPP6C	6877.159402	6919.442465	6896.646943	
5628.582149				
POLG POLG	6458.40477	7806.821346	6147.326531	
7304.70114				
OVGP1 OVGP1	18.7502074	26.41008574	97.01023186	
40.21116364				
AGL AGL	1471.891281	1971.072733	1829.813684	
2253.786684				
SMC3 SMC3	7480.291073	7131.603487	7642.622174	
6805.494255				
RERE RERE	518.755738	1077.531498	885.3577482	
688.4935822				
NRBP1 NRBP1	14879.33125	10829.01549	11179.59293	
11015.89732				
TRA2A TRA2A	2536.486389	3499.336361	2737.472635	
2357.747253				
EEF2K EEF2K	1079.178603	1545.870352	877.5523272	
1091.585979				
CCDC106 CCDC106	47.91719668	187.5116088	56.86806695	
102.9798093				
RBM15B RBM15B	5418.809938	5603.339859	6041.395818	
5203.91303				
GNL2 GNL2	10756.36898	8034.828419	8591.53835	
10010.61823				
COPS8 COPS8	7723.002091	6082.242747	5679.001274	
6458.305184				
CACNB2 CACNB2	45.8338403	66.90555055	115.9662542	
78.46080709				
CEP120 CEP120	1508.350017	1898.004829	2295.908821	
2276.344166				
ODF3B ODF3B	163.5434756	242.9727888	323.3674395	
286.3819459				
NR5A1 NR5A1	1.041678189	0 0	0	
MTOR MTOR	1442.724291	3953.589836	1890.026931	
1842.848207				
ROR1 ROR1	8.33342551	2.641008574	15.61084191	
8.826840798				

ITGB3	ITGB3	14.58349464	30.8117667	5.575300681
24.51900222				
SLC7A5	SLC7A5	26130.49736	40401.26883	22565.47198
29537.55159				
CYFIP1	CYFIP1	2033.355824	2358.420657	1746.184173
2760.83965				
RPS6KC1	RPS6KC1	1107.303915	937.5580439	1378.214328
1184.758187				
PITPNA	PITPNA	6804.241929	4986.224188	6064.812081
5421.64177				
PIN4	PIN4	988.5526011	1767.715072	1101.679415
1478.986214				
ZFPL1	ZFPL1	1252.097183	1111.86461	1130.670978
1120.028021				
DDX20	DDX20	3369.82894	2215.806194	4137.988166
3482.679075				
VILL	VILL	368.7540788	515.8770082	932.1902739
850.3189969				
GIPC1	GIPC1	1383.348635	774.6958485	1072.687851
654.1669791				
BNIP1	BNIP1	1112.512306	775.5761847	1054.846889
935.6451246				
ANKHD1	ANKHD1	8221.965943	7904.538663	10246.28759
9743.851481				
KIAA0226	KIAA0226		3004.199896	3390.174673
4555.020657	3093.31732			
CNTNAP3P2	CNTNAP3P2		0	0
CRYBB2	CRYBB2	21.87524196	0	7.805420954
CD44	CD44	19468.96535	8866.74612	29834.54901
26277.50506				
HEXA	HEXA	4630.259549	3315.346097	5222.941678
3883.809951				
HIST2H4A	HIST2H4A		1.041678189	0.880336191
2.230120273	0			
HIST1H4L	HIST1H4L		14.58349464	14.08537906
2.230120273	4.903800443			
HIST1H4E	HIST1H4E		73.9591514	256.1778317
56.86806695	50.01876452			
PDE6A	PDE6A	2.083356377	1.760672383	5.575300681
1.961520177				
LLGL1	LLGL1	575.0063602	667.2948331	446.0240545
633.5710173				
CD248	CD248	10.41678189	10.5640343	179.5246819
90.22992816				
PGLYRP4	PGLYRP4	105.2094971	30.8117667	57.98312709
19.61520177				
COX16	COX16	3389.620826	3837.385458	2796.570822
2932.472665				
GNA01	GNA01	2.083356377	7.042689532	2.230120273
3.923040355				

AP1M1	AP1M1	11530.33587	9804.304164	8199.037182
7866.676671				
JAGN1	JAGN1	3362.537193	2985.220025	3133.318983
3034.471714				
PARD6A	PARD6A	865.6345748	830.1570285	700.2577656
764.9928692				
HMMR	HMMR	5875.064984	6123.618548	3409.853897
5019.530134				
METTL13	METTL13	6177.151659	4662.26047	4707.783895
5484.410416				
RWDD2B	RWDD2B	798.9671707	1000.061913	705.8330663
964.0871672				
6-Sep	6-Sep	15151.20925	12813.29327	11962.36514
9458.450295				
HNRNPA1	HNRNPA1	37695.20861	31169.18319	41134.56843
38490.91044				
HIGD2A	HIGD2A	3542.74752	3296.859037	2456.47748
2293.017087				
MTCL1	MTCL1	0	2.641008574	3.345180409
0				0
SMYD4	SMYD4	1437.5159	1455.195724	1606.801656
1558.427781				
PWHP2A	PWHP2A	1335.431438	1246.556047	1696.006467
1415.236808				
SSH2	SSH2	993.760992	2979.057672	2156.526304
1758.502839				
SCFD2	SCFD2	2246.899853	1777.398771	1658.094423
2408.746778				
ZFH2	ZFH2	12.50013826	37.85445623	14.49578177
27.46128248				
FGD5	FGD5	2.083356377	0.880336191	4.460240545
3.923040355				
TK1	TK1	17661.65369	17067.07774	7049.410181
12078.06049				
DCAF17	DCAF17	1187.513135	1434.947992	1598.996235
1848.732767				
GPR115	GPR115	0	0	2.942280266
0				
SLC16A7	SLC16A7	614.5901313	907.6266134	946.6860557
1294.603317				
DEDD2	DEDD2	3330.245169	2202.601151	3843.61229
2773.589531				
IQGAP2	IQGAP2	8114.67309	10115.94318	4490.347169
6403.382619				
GAS5	GAS5	2628.15407	1827.577933	5544.078998
3282.604017				
FASTKD3	FASTKD3	1914.604511	1611.895567	1420.586614
1436.81353				
DBI	DBI	11244.91605	12404.81727	7841.102878
9013.185215				
CEP76	CEP76	1723.977402	1367.162105	1244.407112
1098.451299				

LRFN2	LRFN2	3.125034566	0	94.78011158	13.73064124
VPS18	VPS18	2891.698652	3077.655325	3176.806328	
2523.495708					
NRSN2-AS1	NRSN2-AS1	37.50041479	30.8117667		
51.29276627	77.480047				
FCGR3B	FCGR3B	0	5.282017149	0	0
ANKRD18B	ANKRD18B	2.083356377	29.93143051		
4.460240545	9.807600887				
ZNF557	ZNF557	970.8440719	783.4992104	1874.416089	
1066.086216					
FAM160B1	FAM160B1	4865.678819	5580.451118		
3305.038244	3404.218268				
ARHGEF2	ARHGEF2	990.6359575	2860.212286	921.0396726	
1086.682178					
VIT	VIT	0	0.880336191	0	0
FIBP	FIBP	6078.192231	5305.786226	4108.996602	
4996.972652					
RAB6A	RAB6A	9671.981982	7732.873106	10513.90202	
8232.500184					
POLR2C	POLR2C	3735.457985	4358.544484	3470.067144	
3601.351046					
HAGLR	HAGLR	1.041678189	4.401680957	0	24.51900222
TRPV1	TRPV1	206.2522814	228.0070736	263.1541922	
221.65178					
STK19	STK19	39.58377117	0	32.33674395	0
TIRAP	TIRAP	588.5481766	713.0723151	565.3354891	
514.8990466					
DIS3L2	DIS3L2	1316.681231	1184.932514	1138.476399	
1610.408066					
TMEM107	TMEM107	594.7982457	1084.574188	585.4065715	
768.9159095					
NAV2	NAV2	25.00027653	16.72638764	2.230120273	
6.865320621					
CD320	CD320	4015.669417	2530.086214	2738.587695	
3003.087392					
BCCIP	BCCIP	9334.478249	6695.837072	6970.240912	
7890.214913					
WBP11	WBP11	14368.90893	11553.53218	14155.68843	
12221.25146					
RSL24D1	RSL24D1	5340.684073	5468.648421	7536.691461	
5603.082387					
LRRC42	LRRC42	1585.434203	1566.998421	1595.651055	
1926.212814					
COL6A2	COL6A2	790.6337452	490.3472586	434.8734531	
569.8216115					
ZNF398	ZNF398	1476.057993	1599.57086	2634.887102	
1882.07861					
SLC44A1	SLC44A1	703.1327774	809.0289599	2002.648005	
1692.791913					
TSSK3	TSSK3	7.291747321	7.923025723	0	17.6536816

PANX2	PANX2	21.87524196	38.73479242	4.460240545	
16.67292151					
NUDT2	NUDT2	1265.638999	1156.761756	884.2426881	
926.8182838					
ATP1A3	ATP1A3	21.87524196	102.1189982	66.90360818	
21.57672195					
SERPINC1	SERPINC1		5.208390943	0	3.345180409
1.961520177					
ARSA	ARSA	609.3817404	1342.512692	308.8716577	
828.7422749					
LY75	LY75	2211.482795	2935.921198	5115.895905	
4769.436311					
RAB9B	RAB9B	13.54181645	55.46118006	64.6734879	
80.42232727					
ISYNA1	ISYNA1	1083.345316	1430.546311	1038.120987	
1591.773624					
GP6	GP6	0	10.5640343	4.460240545	16.67292151
SMURF1	SMURF1	840.6342983	1101.300575	1099.449294	
988.6061694					
PEX11A	PEX11A	166.6685102	112.6830325	333.4029807	
215.7672195					
BASP1	BASP1	36.4587366	26.41008574	127.1168555	
45.11496408					
CYB5D1	CYB5D1	521.8807725	485.0652415	987.9432807	
606.1097348					
SNX4	SNX4	5226.099473	3943.025801	3775.593621	
4573.284293					
IFIT2	IFIT2	936.4686916	214.8020307	29691.82131	
3667.061972					
IL7	IL7	138.5431991	109.1616877	62.44336763	
77.480047					
HYPK	HYPK	3369.82894	2203.481487	3206.912952	
2875.58858					
PCYT1B	PCYT1B	2.083356377	12.32470668	0	10.78836098
MINPP1	MINPP1	1937.521431	1529.143965	1519.826966	
1615.311866					
ALAS2	ALAS2	4.166712755	0.880336191	2.230120273	
0.980760089					
RASGRP2	RASGRP2	3929.210128	4749.413753	892.048109	
798.3387122					
HES6	HES6	193.7521431	356.5361575	186.2150428	
296.1895468					
OTOG	OTOG	0	0	0.980760089	
LONP1	LONP1	7586.542248	8232.904062	7485.398695	
10126.34792					
TMEM214	TMEM214	4346.923081	4132.298083	3268.241259	
3754.349619					
TRABD2A	TRABD2A	2608.362185	1217.504953	2423.025676	
1916.405213					
OCIAD1	OCIAD1	6594.864613	6292.643096	6362.533138	

6231.749603				
ZMYM1	ZMYM1	301.0449965	276.4255641	468.3252572
389.3617552				
MGC16025	MGC16025		3.125034566	3.521344766
1.115060136		8.826840798		
SREK1	SREK1	3497.955358	3419.225768	3152.275005
3358.122544				
TTLL6	TTLL6	0	0.880336191	0
MED18	MED18	1056.261683	1786.202132	944.4559354
1383.852485				
NUGGC	NUGGC	64.5840477	147.8964802	56.86806695
57.86484523				
FECH	FECH	3496.913679	2965.852629	2676.144327
2512.707347				
ZNF763	ZNF763	18.7502074	22.00840479	345.6686422
197.1327778				
GPRASP2	GPRASP2	30.20866747	36.09378385	216.3216664
146.1332532				
KDM2A	KDM2A	1266.680677	3952.7095	1704.926948
1382.871725				
XPC	XPC	5645.895783	3855.872518	7887.935404
5044.049136				
TBCC	TBCC	2970.866194	2697.350091	3398.703295
2943.261026				
FLT4	FLT4	25.00027653	36.09378385	56.86806695
137.3064124				
CACNA1H	CACNA1H	3.125034566	21.12806859	23.41626286
18.63444168				
HECTD2	HECTD2	271.8780073	285.228926	541.9192262
264.8052239				
GOLGA6L9	GOLGA6L9		8.33342551	7.042689532
12.2656615		4.903800443		
LOC101929378	LOC101929378		2.083356377	6.16235334
2.230120273		7.846080709		
TCEA2	TCEA2	801.0505271	676.098195	477.2457383
732.6277862				
ADAM22	ADAM22	66.66740408	132.0504287	72.47890886
92.19144833				
PRKG1	PRKG1	0	0	6.690360818
1.961520177				
DCAF4L1	DCAF4L1	4.166712755	8.803361914	10.03554123
17.6536816				
CELF2	CELF2	13380.35633	11794.74429	9518.153323
10329.36525				
AMPD3	AMPD3	1066.678465	1346.034037	1270.053495
1850.694287				
WDR31	WDR31	37.50041479	90.67462772	62.44336763
96.11448869				
BROX	BROX	2251.066566	3133.116505	2201.128709
1911.501413				
AGAP2	AGAP2	741.6748704	981.5748535	462.7499566

591.3983335					
PSMD2 PSMD2	43916.11076	30582.87929	30147.8809		
32354.29457					
SNORA19 SNORA19	9.375103698	4.401680957	5.575300681		
5.884560532					
LIPA LIPA	2633.362461	2229.891573	4476.966447		
3535.64012					
ACSF2 ACSF2	179.1686485	294.9126241	175.0644414		
240.2862217					
SNORA71A	SNORA71A	7.291747321	16.72638764		
10.03554123	4.903800443				
CYCSP52 CYCSP52	1.041678189	0.880336191	10.03554123		
2.942280266					
LOC101929524	LOC101929524	43.75048393	63.38420578		
123.7716751	63.74940576				
SCARNA22	SCARNA22	40.62544936	92.4353001		
51.29276627	20.59596186				
SCARNA7 SCARNA7	0 0.880336191	3.345180409	0		
SNORD20 SNORD20	17.70852921	17.60672383	11.15060136		
28.44204257					
SCARNA4 SCARNA4	4.166712755	8.803361914	2.230120273		
5.884560532					
SCARNA8 SCARNA8	5.208390943	5.282017149	0 3.923040355		
SCARNA15	SCARNA15	9.375103698	4.401680957		
18.95602232	14.71140133				
SNORA71B	SNORA71B	11.45846008	12.32470668		
13.38072164	35.30736319				
SIRPD SIRPD	0 1.760672383	0	1.961520177		
ZNF831 ZNF831	214.5857069	818.712658	378.0053862		
372.6888337					
RPIA RPIA	3508.37214	3767.838899	4071.084558		
4057.404487					
GMCL1 GMCL1	4509.424879	3534.549809	3155.620186		
3136.470764					
RRAGA RRAGA	5163.598781	3898.128656	5073.52362		
4655.668141					
STC2 STC2	37.50041479	85.39261057	5.575300681		
44.13420399					
ALDH1B1 ALDH1B1	2520.861217	2089.037782	2145.375702		
2650.99452					
CYP4F2 CYP4F2	0 0	20.07108245	0		
NUP155 NUP155	5759.438705	7665.967555	7034.9144		
7547.929642					
ARHGAP1 ARHGAP1	6288.611225	6734.571864	4180.360451		
5403.988089					
NP1PB9 NP1PB9	2.083356377	3.521344766	1.115060136		
2.942280266					
DBNDD1 DBNDD1	0 0	47.94758586	45.11496408		
C16orf13	C16orf13	1948.979891	2213.165185		
1665.899844	2190.037278				

IL1R1	IL1R1	1891.687591	331.006408	1712.732369	
1781.060321					
CSF1R	CSF1R	8.33342551	19.36739621	3.345180409	
27.46128248					
LINC00261	LINC00261		0	0	4.903800443
BTBD1	BTBD1	10553.24173	9543.724651	7403.999305	
8358.037476					
ING4	ING4	1021.886303	681.3802122	1429.507095	
1109.23966					
ASTN2	ASTN2	338.5454113	250.0154784	375.7752659	
287.362706					
ARF6	ARF6	25749.24315	24501.51688	20696.63119	
26475.61859					
DENR	DENR	10117.82025	8952.138731	7198.82824	
8820.956237					
ZSWIM8	ZSWIM8	1041.678189	3007.22843	1401.630591	
1541.754859					
CCT2	CCT2	19779.38545	17070.59909	16355.70208	
18390.23242					
ZNF669	ZNF669	461.4634376	415.5186824	679.071623	
514.8990466					
BBX	BBX	2060.439457	2171.789384	4892.883878	
3470.909954					
PRR5	PRR5	582.2981075	747.4054265	1456.268538	
852.2805171					
MIR3124	MIR3124	5.208390943	1.760672383	0	1.961520177
MIR3122	MIR3122	0	1.115060136	0	
MIR3121	MIR3121	3.125034566	0	2.230120273	0
PBX4	PBX4	755.2166868	496.509612	379.1204463	
665.9361002					
MROH7-TTC4	MROH7-TTC4		4088.586891	2590.829411	
3879.294214	3538.5824				
DPY19L1P1	DPY19L1P1		20.83356377	65.14487817	
17.84096218	82.38384745				
LOC284080	LOC284080		0	0.880336191	0
MT1JP	MT1JP	1.041678189	0	0	2.942280266
ENOSF1	ENOSF1	17626.23663	19418.45571	10263.01349	
13830.67877					
BCL2L15	BCL2L15	153.1266937	110.9223601	54.63794668	
10.78836098					
EXTL2	EXTL2	294.7949274	258.8188403	485.0511593	
294.2280266					
SIRPA	SIRPA	1.041678189	0	0	4.903800443
ZNF174	ZNF174	877.0930349	661.1324798	965.642078	
727.7239858					
TMPO	TMPO	23744.01263	23232.07209	15027.66546	
16323.77092					
ZNF492	ZNF492	34.37538023	72.1875677	52.4078264	
92.19144833					
FGF20	FGF20	1.041678189	0	0	0.980760089

NGEF	NGEF	0	0	4.460240545	0
IRS4	IRS4	2.083356377		0	0
CUL1	CUL1	11244.91605		8548.944755	9300.716597
		9713.447918			
ARPC2	ARPC2	90336.41588		69046.52817	49694.88509
		53733.88374			
CLDN10	CLDN10	6.250069132		3.521344766	0
DERL1	DERL1	8520.927584		7505.746368	10035.54123
		7728.389499			
SAMD8	SAMD8	1063.553431		957.8057763	2106.348597
		1474.082413			
SYTL1	SYTL1	1212.513412		1544.10968	730.3643893
		1069.028497			
DDIT4L	DDIT4L	9.375103698		377.6642261	32.33674395
		263.8244639			
RMND5A	RMND5A	2934.407458		3332.072485	4179.245391
		2676.494282			
EX05	EX05	870.8429658		834.5587095	1045.926408
		896.414721			
EPS8L2	EPS8L2	252.0861217		348.6131318	108.1608332
		513.9182865			
NDUFB11	NDUFB11	4531.300121		5171.975125	3801.240005
		4161.365056			
UBB	UBB	42974.43367		39806.16157	40006.12757
		38692.94702			
EXOC6	EXOC6	1471.891281		1809.090873	1128.440858
		1160.239185			
DICER1	DICER1	2365.651167		4647.294755	2760.888897
		2998.183591			
PLSCR1	PLSCR1	8370.925924		5864.799707	7126.349331
		3640.581449			
FAM117A	FAM117A	786.4670325		2627.803531	1193.114346
		1179.854387			
GDPD5	GDPD5	652.0905461		464.8175091	659.0005405
		715.9548647			
MLN	MLN	0	0	2.230120273	0
ADAM8	ADAM8	9994.902221		11131.85114	2658.303365
		5457.929893			
ZFP1	ZFP1	1279.180816		1559.075395	1727.228151
		1644.734669			
PTPN7	PTPN7	55203.73561		33607.71444	28622.47864
		32474.92806			
CTDSPL2	CTDSPL2	4280.255677		4508.201636	4241.688758
		3832.810427			
TRMT112	TRMT112	9361.561882		8361.433146	12076.10128
		9584.968347			
IFT57	IFT57	1370.848496		1189.334195	1971.426321
		1717.310915			
TTC32	TTC32	428.1297356		845.1227438	558.6451283
		724.7817055			

BTN2A1	BTN2A1	1904.187729	1470.16144	2133.110041
1492.716855				
COMMD3	COMMD3	6794.866825	6678.230348	4189.280932
4922.434885				
CD302	CD302	63.54236951	94.19597248	108.1608332
114.7489304				
ZC3H4	ZC3H4	303.1283529	519.3983529	506.2373019
307.9586678				
MLC1	MLC1	42.70880574	78.34992104	2.230120273
0.980760089				
PLEKHM2	PLEKHM2	2364.609488	2332.890907	2188.863047
2503.880506				
CXorf58	CXorf58	5.208390943	2.641008574	11.15060136
6.865320621				
IL1RL2	IL1RL2	4.166712755	0	21.57672195
			0	
KDSR	KDSR	3947.960335	4997.668559	6141.751231
6690.745325				
IKZF1	IKZF1	18900.20906	29821.38848	23766.39174
25099.61219				
PABPC1	PABPC1	9476.146483	18029.2852	13842.35653
13289.2992				
PEBP1	PEBP1	16088.71962	13124.05194	14174.64445
14056.25359				
UCKL1	UCKL1	2096.898194	1918.252561	1778.520917
2048.807825				
PDE6G	PDE6G	248.9610871	143.4947992	40.14216491
68.65320621				
CYLD	CYLD	21966.90964	21113.10288	21428.11064
18165.63836				
DISC2	DISC2	15.62517283	21.12806859	13.38072164
23.53824213				
PSMB2	PSMB2	21418.98692	19902.64062	13691.82341
14908.53411				
AIF1	AIF1	45.8338403	76.58924866	31.22168382
73.55700665				
MSX1	MSX1	3.125034566	1.760672383	7.805420954
10.78836098				
TRAPPC11	TRAPPC11		3668.790581	3605.85704
3438.84546	3405.199028			
CD99L2	CD99L2	1225.01355	1267.684116	1160.777602
961.1448869				
SERF1B	SERF1B	13.54181645	54.58084387	30.10662368
65.71092594				
SH3BP4	SH3BP4	4.166712755	12.32470668	0
MYBBP1A	MYBBP1A	5069.847744	5024.078645	16.67292151
5958.117539				5489.441051
S100A14	S100A14	0	1.760672383	3.345180409
				0
TMEM27	TMEM27	8.33342551	2.641008574	24.531323
13.73064124				
MRS2	MRS2	3016.700034	2185.874763	3109.90272

2405.804498				
ADGB	ADGB	0	0.880336191	0
CNOT2	CNOT2	5051.097537	4193.04128	4993.23929
5243.143434				
GOLIM4	GOLIM4	260.4195472	508.8343187	173.9493813
179.4790962				
RFWD3	RFWD3	6665.698729	9460.973049	6381.48916
7376.296627				
RPS6KA6	RPS6KA6	0	0	6.690360818
VPS13C	VPS13C	2233.358037	3119.911462	3625.060503
2800.070053				
OGT	OGT	4640.676331	7783.052269	5565.26514
7210.548172				
MRPL49	MRPL49	9618.856394	6139.464599	9269.494913
8024.579045				
APOPT1	APOPT1	1611.476158	1497.451862	1465.189019
1626.100227				
ALG1	ALG1	4522.966695	2876.058337	3549.236414
3084.490479				
FBXW5	FBXW5	10241.77995	8622.892995	6639.068051
8079.50161				
DPCR1	DPCR1	0	0	5.575300681
IL12RB1	IL12RB1	3283.369651	2347.856623	1466.304079
1529.004978				
STRC	STRC	0	0	6.865320621
HYAL1	HYAL1	7.291747321	19.36739621	23.41626286
12.74988115				
UBA1	UBA1	25075.27736	21820.01284	16253.11655
18104.83124				
TPM3	TPM3	81433.1924	65060.36589	46118.88724
58682.79915				
PDS5A	PDS5A	12143.88432	17137.50464	11340.16159
11214.99161				
IP07	IP07	777.0919288	1471.922112	985.7131605
999.3945304				
TEAD2	TEAD2	13.54181645	14.08537906	8.92048109
8.826840798				
GBP6	GBP6	29.16698928	22.00840479	1112.830016
657.1092594				
LPAR2	LPAR2	1312.514518	1100.420239	1019.164965
1448.582651				
SOX21	SOX21	0	1.760672383	0
MSN	MSN	84617.60262	74354.9554	58830.57279
68351.1321				
C2CD5	C2CD5	3169.826728	3494.054344	2641.577463
3402.256748				
WDR88	WDR88	11.45846008	22.00840479	8.92048109
33.34584301				
CACNB1	CACNB1	226.0441669	372.382209	433.758393
243.228502				

NF1	NF1	229.1692015	514.996672	673.4963223	
307.9586678					
LGALS9B	LGALS9B	1.041678189	4.401680957	0	0
CPS1	CPS1	5.208390943	27.29042193	53.52288654	
44.13420399					
PRKCQ	PRKCQ	6702.157466	6628.931522	5946.615707	
5739.408039					
LTBP3	LTBP3	811.467309	1052.882085	1047.041468	
1138.662463					
KIAA0141	KIAA0141		2397.94319	1811.731882	
1352.567945	1866.386449				
MIR34A	MIR34A	1.041678189	0.880336191	2.230120273	0
LOC100506124	LOC100506124		3.125034566	12.32470668	
13.38072164	20.59596186				
LINC00881	LINC00881		6.250069132	17.60672383	
13.38072164	38.24964346				
LOC100288069	LOC100288069		87.50096785	111.8026963	
110.3909535	140.2486927				
HNRNPCL2	HNRNPCL2		0	1.115060136	0
PAXIP1	PAXIP1	968.7607155	1475.443457	812.8788393	
979.7793286					
RRM2B	RRM2B	3753.166514	2653.333281	3194.64729	
2111.576471					
GLTSCR2	GLTSCR2	2556.278275	2802.110097	4663.18149	
3369.891665					
NMT1	NMT1	7767.794253	6474.872688	6868.770439	
6575.996395					
ESD	ESD	5158.39039	5175.496469	5925.429564	
5970.86742					
KRIT1	KRIT1	1880.229131	1848.706002	2275.837738	
1867.367209					
PKP3	PKP3	1.041678189	2.641008574	1.115060136	0
POLI	POLI	452.0883339	517.6376806	690.2222243	
732.6277862					
SORBS3	SORBS3	273.9613636	302.8356499	669.0360818	
729.685506					
DNAJC8	DNAJC8	11178.24864	10370.36034	10016.5852	
10810.91846					
LPPR2	LPPR2	46.87551849	69.54655912	131.5770961	
141.2294528					
KDM3B	KDM3B	1254.180539	2575.863696	1740.608873	
1593.735144					
QPCTL	QPCTL	109.3762098	214.8020307	110.3909535	
211.8441792					
DUT	DUT	15380.37846	18046.01159	11496.27	
14649.61344					
FAM107B	FAM107B	45886.96589	44118.04823	17879.98929	
21695.39392					
ATP5G1	ATP5G1	6934.451702	6895.673388	6041.395818	
6365.132975					

IL19	IL19	93.75103698	20.2477324	97.01023186
3.923040355				
ANAPC2	ANAPC2	197.9188559	405.8349843	246.4282901
163.7869348				
CDV3	CDV3	8376.134315	10840.45986	8000.556478
7007.530834				
SGSH	SGSH	1623.976296	949.0024144	1433.967335
1451.524931				
BIK	BIK	236.4609488	283.4682536	303.2963571
407.0154368				
TMEM231	TMEM231	102.0844625	150.5374887	115.9662542
188.305937				
TAGLN2	TAGLN2	48589.07911	40609.90851	32963.40775
37187.48028				
EPC1	EPC1	1000.011061	1162.924109	1963.6209
1171.027546				
SCN4B	SCN4B	0	28.99156354	0
NIPA1	NIPA1	3129.201279	2354.018976	1733.918512
1956.616377				
COL6A6	COL6A6	0	2.641008574	7.805420954
LOC151174	LOC151174		18.7502074	58.10218863
40.14216491	100.037529			
MSH5-SAPCD1	MSH5-SAPCD1		35.41705842	31.69210289
13.38072164	29.42280266			
SFMBT2	SFMBT2	535.422589	1457.836733	1183.078805
1188.681227				
ECSIT	ECSIT	1577.100778	1019.42931	1822.008263
1330.89144				
DCAF8	DCAF8	3619.831706	5499.460188	3713.150254
4818.474316				
SPARCL1	SPARCL1	12.50013826	14.08537906	2.230120273
11.76912106				
EFHC1	EFHC1	79.16754234	55.46118006	160.5686596
133.3833721				
NSUN5P2	NSUN5P2	363.5456879	486.8259139	273.1897334
479.5916834				
NSUN5P1	NSUN5P1	317.7118476	529.0820511	245.31323
478.6109233				
LOC283683	LOC283683		0	6.16235334
2.942280266				12.2656615
IQCH-AS1	IQCH-AS1		214.5857069	213.0413583
549.7246472	396.2270758			
C16orf96	C16orf96		0	3.521344766
3.923040355				0
GPR133	GPR133	48.95887487	14.96571525	75.82408927
35.30736319				
RLN2	RLN2	81.25089872	191.0329535	130.4620359
114.7489304				
RANBP1	RANBP1	16213.72101	11559.69453	9936.300874
11363.08639				

GPC1	GPC1	169.7935448	182.2295916	172.8343211
136.3256523				
C11orf44	C11orf44	16.66685102	42.25613719	
3.345180409	10.78836098			
ZNF322	ZNF322	356.2539405	317.8013651	686.8770439
442.3228				
KMT2E	KMT2E	7437.582267	6752.178588	11476.19892
8957.28189				
DOCK9	DOCK9	1068.761822	2072.311395	3299.462943
2657.85984				
LRRFIP2	LRRFIP2	2455.235491	2084.636101	1322.461322
1617.273386				
ZKSCAN5	ZKSCAN5	1353.139967	1468.400767	958.9517172
1049.413295				
VWA3B	VWA3B	1.041678189	1.760672383	0 0
SNRPE	SNRPE	11915.7568	12107.26364	11351.31219
11898.5814				
TBCB	TBCB	8282.383278	5605.100531	4464.700786
4794.936073				
CIRBP	CIRBP	3435.454666	3765.197891	6225.380741
4682.148663				
CHI3L1	CHI3L1	0 5.282017149	0	0.980760089
ZNF630	ZNF630	31.25034566	22.88874098	263.1541922
156.9216142				
C12orf74	C12orf74	0	0.880336191	6.690360818
0				
TAC4	TAC4	0 7.042689532	3.345180409	4.903800443
GATSL3	GATSL3	500.0055306	296.6732965	299.9511767
221.65178				
ORC4	ORC4	2133.35693	1861.911045	2776.499739
2585.283594				
PPP2R3A	PPP2R3A	11.45846008	26.41008574	112.6210738
48.05724434				
PRIM2	PRIM2	1953.146604	1795.885831	1021.395085
1444.659611				
SIGLEC10	SIGLEC10	70.83411683	28.17075813	
63.55842777	16.67292151			
CNR1	CNR1	0 0	0 1.961520177	
HCK	HCK	6.250069132	8.803361914	0 0
C8G	C8G	11.45846008	16.72638764	23.41626286
12.74988115				
ELAVL3	ELAVL3	0 2.641008574	0	0
ZCCHC9	ZCCHC9	1801.061588	1765.074064	1328.036622
1513.312817				
ARF1	ARF1	47553.65099	34819.05704	38062.57775
36630.40855				
AREG	AREG	3.125034566	4.401680957	17.84096218
29.42280266				
CGGBP1	CGGBP1	8696.971197	10571.95732	9244.96359
9720.313239				

APLP2	APLP2	4259.422114	2815.31514	6911.142725	
4911.646524					
PPFIA3	PPFIA3	13.54181645	16.72638764	80.28432981	
120.6334909					
PNRC2	PNRC2	2442.735353	1759.792047	2450.90218	
1923.270534					
TESC	TESC	1813.561727	1706.091539	864.1716056	
1035.682654					
ABHD11	ABHD11	753.1333304	782.6188742	783.8872758	
879.7417995					
PDE4B	PDE4B	5286.516808	3012.510447	3111.01778	
4028.962444					
L2HGDH	L2HGDH	975.0107846	931.3956905	863.0565455	
1002.336811					
FLI1	FLI1	4425.048946	5818.141889	3017.352729	
3466.006153					
TMSB4X	TMSB4X	374332.2655	507112.3811	243121.0218	
316725.6823					
HSPB2-C11orf52	HSPB2-C11orf52	5.884560532	4.166712755	2.641008574	0
5.884560532					
DDX11L9	DDX11L9	3.125034566	4.401680957	3.345180409	
4.903800443					
LOC100505795	LOC100505795		0	3.345180409	0
EXD2	EXD2	723.9663411	658.4914712	1149.627	
978.7985685					
LOC101926889	LOC101926889		1.041678189	1.760672383	
1.115060136	2.942280266				
LSP1	LSP1	29581.5772	25290.29811	17364.8315	
19155.22529					
SPDYE2	SPDYE2	143.75159	138.2127821	136.0373366	
117.6912106					
FLOT1	FLOT1	0	0	1.961520177	
RGCC	RGCC	2881.28187	2495.753103	3967.383965	
5948.309938					
ALYREF	ALYREF	10467.82412	9504.109523	6465.11867	
7239.970975					
NT5DC1	NT5DC1	2685.44637	2530.086214	2537.87687	
2479.361504					
FAM156A	FAM156A	195.8354995	176.0672383	140.4975772	
168.6907353					
PM20D1	PM20D1	52.08390943	4.401680957	40.14216491	
5.884560532					
TNK1	TNK1	491.6721051	396.1512861	514.0427228	
660.0515397					
PPDPF	PPDPF	643.7571206	1456.956397	1081.608332	
410.9384772					
AVL9	AVL9	1347.931576	1283.530167	1045.926408	
1226.930871					
PROCR	PROCR	38.54209298	77.46958485	59.09818722	
111.8066501					

NEBL	NEBL	18.7502074	9.683698106	71.36384872	
40.21116364					
PMF1	PMF1	4625.051158	4309.245657	3669.662908	
4464.419924					
CA5B	CA5B	408.33785	496.509612	510.6975424	
377.5926341					
RNF139	RNF139	3926.085093	3452.678543	4172.55503	
3532.697839					
PDCD10	PDCD10	7425.082129	5653.519021	6102.724126	
5884.560532					
SYNE1	SYNE1	2547.94485	3285.414666	5169.418792	
3818.099025					
PFDN5	PFDN5	5709.438152	6966.100283	7876.784803	
6711.341287					
ANKS4B	ANKS4B	0	1.115060136	0	
C1orf43	C1orf43	12909.51779	9440.725317	12550.00183	
10714.80397					
GPR56	GPR56	407.2961718	2589.068739	151.6481785	
607.0904949					
HDLBP	HDLBP	14783.49685	13710.35585	12990.45059	
12594.92106					
STK38	STK38	7171.954329	6900.955405	5361.209135	
4916.550324					
CHEK2	CHEK2	1594.809307	1308.17958	870.8619664	
1138.662463					
OSBPL2	OSBPL2	1582.309169	1519.460266	2148.720883	
1828.136805					
RETSAT	RETSAT	1463.557855	1758.031374	1339.187224	
1381.890965					
OBFC1	OBFC1	3623.998418	2674.46135	3567.077376	
3660.196651					
KIAA0226L	KIAA0226L		58.33397857	203.3576602	0
157.9023743					
FOXP3	FOXP3	7662.584756	1653.271368	5656.700071	
3664.119691					
BAZ1A	BAZ1A	4990.680202	4124.375057	5754.825363	
4139.788334					
EMR2	EMR2	5.208390943	404.0743119	6.690360818	
252.0553428					
IRS2	IRS2	56.25062219	70.42689532	338.9782814	
139.2679326					
SUPT3H	SUPT3H	386.462608	507.0736463	641.1595784	
707.1280239					
C4orf6	C4orf6	0	0.880336191	0.980760089	
KLF11	KLF11	828.13416	958.6861125	1050.386648	
764.9928692					
PKDREJ	PKDREJ	0	1.760672383	2.942280266	
BTN3A2	BTN3A2	1743.769288	2333.771244	6419.401204	
3961.289998					
CPAMD8	CPAMD8	13.54181645	8.803361914	1.115060136	

5.884560532					
PIK3R2	PIK3R2	1336.473116	1065.206792	1440.657696	
1574.119942					
WIBG	WIBG	3977.127324	3145.441212	2470.973262	
2685.321123					
LSS	LSS	1167.72125	1782.680788	1539.898048	
1743.791438					
FAM104B	FAM104B	609.3817404	584.5432311	550.8397073	
594.3406137					
PDLIM7	PDLIM7	732.2997667	1178.77016	580.946331	
925.8375237					
ZBTB16	ZBTB16	432.2964483	387.3479242	246.4282901	
433.4959592					
IDH1	IDH1	2447.943743	2420.924526	1574.464912	
2160.614475					
CIDEB	CIDEB	1116.679018	1584.605145	990.173401	
1819.309964					
CPNE7	CPNE7	114.5846008	402.3136395	57.98312709	
250.0938226					
ZSCAN26	ZSCAN26	829.1758382	465.6978453	1306.85048	
1009.202131					
DPF1	DPF1	14.58349464	9.683698106	12.2656615	
11.76912106					
CTXN1	CTXN1	3.125034566	7.042689532	0	1.961520177
TCEAL7	TCEAL7	0	0	0.980760089	
NMRK1	NMRK1	1392.723738	2739.606228	1663.669723	
2694.147964					
P4HA2	P4HA2	945.8437953	557.2528092	384.695747	
527.6489277					
SMN1	SMN1	2141.690356	1145.317385	1977.001622	
1428.967449					
PCBP4	PCBP4	333.3370204	693.7049189	267.6144327	
518.8220869					
SLC24A4	SLC24A4	0	4.401680957	0	0
PIK3CB	PIK3CB	1117.720696	1751.869021	1626.872739	
1856.578848					
DMAP1	DMAP1	2702.113221	2039.738956	2002.648005	
1901.693812					
WDR6	WDR6	9244.893925	9780.535087	8801.169656	
10750.11133					
AHSA1	AHSA1	12016.79958	9605.348185	11477.31398	
11145.35765					
ENTPD3	ENTPD3	8.33342551	5.282017149	6.690360818	
15.69216142					
SEC22B	SEC22B	4789.636312	5531.152291	4970.938087	
4863.58928					
HHEX	HHEX	15.62517283	70.42689532	5.575300681	
18.63444168					
SRGN	SRGN	19245.00454	30759.82687	16798.38095	
21311.91673					

DAG1	DAG1	352.0872278	552.8511282	498.4318809
357.9774324				
CMTM2	CMTM2	8.33342551	3.521344766	1.115060136
13.73064124				
UIMC1	UIMC1	1551.058823	1520.340603	1721.65285
1707.503314				
GNPAT	GNPAT	6654.240269	5013.51461	5289.845286
5095.048661				
ADK	ADK	5543.81132	4669.303159	3825.771328
4731.186668				
PAFAH2	PAFAH2	1757.311104	1271.20546	1529.862507
1188.681227				
TESK1	TESK1	762.5084341	1172.607807	965.642078
1089.624459				
TACC1	TACC1	11515.75238	14103.86612	8835.73652
10923.70587				
LRRN2	LRRN2	40.62544936	59.86286102	1.115060136
12.74988115				
VRK2	VRK2	3059.40884	2475.50537	2388.458812
2515.649627				
RAB3GAP2	RAB3GAP2		4018.794452	4309.245657
3389.782814	3286.527057			
SLC22A18AS	SLC22A18AS		31.25034566	61.6235334
24.531323	53.94180488			
IL4I1	IL4I1	1821.895152	1717.535909	2506.655186
4194.710899				
FDXR	FDXR	3920.876702	1659.433721	2701.79071
1534.889539				
PPP2R1B	PPP2R1B	10995.95496	9379.98212	6358.072897
7621.486649				
ZNF532	ZNF532	42.70880574	122.3667306	179.5246819
121.614251				
EIF1AY	EIF1AY	0	5963.397361	0
4536.01541				
SEC24B	SEC24B	4070.878361	4204.48565	5143.772409
4709.609946				
CDRT1	CDRT1	5.208390943	17.60672383	14.49578177
13.73064124				
SYT9	SYT9	3.125034566	0	0
1008.014363				
ZNF48	ZNF48	1219.805159	1842.543649	1008.014363
1314.218519				
NFKBIB	NFKBIB	1714.602299	2125.131566	1353.683005
1631.984788				
ABTB1	ABTB1	745.8415831	1022.070318	1732.803452
1438.77505				
CYB561D1	CYB561D1		536.4642672	903.2249324
1100.564354	1016.067452			
SYT7	SYT7	0	0	2.942280266
166.1439603				
GPR146	GPR146	663.5490062	299.3143051	166.1439603
263.8244639				
GLCCI1	GLCCI1	1092.72042	1718.416246	1519.826966

2320.47837				
CABLES1	CABLES1	867.7179312	797.5845894	253.1186509
275.5935849				
TAS1R1	TAS1R1	0	2.641008574	0
KRR1	KRR1	5605.270333	5021.437636	4688.827873
4791.013033				
CACYBP	CACYBP	27709.6815	20241.57005	19880.40717
19441.60724				
OS9	OS9	4308.380988	4781.986192	3806.815305
3556.236082				
CCDC150	CCDC150	303.1283529	316.9210289	80.28432981
262.8437038				
KREMEN1	KREMEN1	11.45846008	17.60672383	88.08975076
25.49976231				
IGF1	IGF1	11.45846008	9.683698106	20.07108245
4.903800443				
ZFYVE16	ZFYVE16	615.6318095	809.0289599	770.5065542
768.9159095				
CD6	CD6	15900.17587	15434.05411	19795.6626
27499.53213				
SMARCD1	SMARCD1	671.8824317	1594.288843	884.2426881
725.7624656				
VAMP4	VAMP4	1932.31304	1483.366483	2136.455221
1558.427781				
VAMP8	VAMP8	7497.999602	5421.110267	5676.771154
5553.063622				
SLC4A4	SLC4A4	11.45846008	12.32470668	1.115060136
17.6536816				
LCP1	LCP1	200588.6771	184234.9975	133234.0754
182976.4867				
FARSA	FARSA	16135.59514	10236.54923	11611.1212
12109.44481				
DLGAP1-AS2	DLGAP1-AS2		29.16698928	14.08537906
31.22168382		21.57672195		
SNHG22	SNHG22	4.166712755	5.282017149	27.87650341
15.69216142				
FAP	FAP	2.083356377	0.880336191	0
KRTAP3-2	KRTAP3-2		0	0.980760089
GOLGB1	GOLGB1	2510.444435	2790.665727	3135.549103
2348.920412				
XKR5	XKR5	2.083356377	7.042689532	0
MCOLN3	MCOLN3	47.91719668	25.52974955	1.961520177
5.884560532				43.48734531
OGDH	OGDH	3782.333503	7985.529593	2865.70455
3326.738221				
SRL	SRL	0	2.641008574	2.230120273
RNF24	RNF24	1179.17971	780.8582018	0.980760089
1051.374815				2000.417884
DPP8	DPP8	4196.921422	3575.92561	3621.715323
3476.794514				

MAP2K7	MAP2K7	30.20866747	259.6991765	56.86806695
48.05724434				
IFT122	IFT122	1338.556472	1154.120747	1039.236047
1059.220896				
CITED4	CITED4	86.45928966	27.29042193	287.6855152
156.9216142				
ZNF418	ZNF418	54.16726581	60.74319721	78.05420954
69.6339663				
ZBED2	ZBED2	22370.0391	27102.02999	26830.577
54473.37684				
ZFP90	ZFP90	693.7576737	1102.180912	1721.65285
1949.751056				
SLC25A38	SLC25A38		4740.677437	2895.425734
4912.95496	3225.719932			
ASB6	ASB6	5318.808831	3931.581431	4996.584471
4366.343915				
WNT2B	WNT2B	3.125034566	0.880336191	14.49578177
6.865320621				
DHDDS	DHDDS	3450.038161	2427.967216	2658.303365
2622.552477				
FAM72D	FAM72D	1541.683719	1619.818592	913.2342516
1339.718281				
PTPRE	PTPRE	1716.685655	1730.740952	1468.534199
2295.959368				
DUSP23	DUSP23	885.4264604	903.2249324	1102.794475
1016.067452				
LUC7L	LUC7L	1625.017974	1385.649165	1543.243229
1563.331581				
FLAD1	FLAD1	6720.907673	4156.06716	5414.732022
5069.548898				
GPX1	GPX1	7996.963455	5435.195646	5526.238035
4936.165526				
MOB3C	MOB3C	1976.063524	940.1990525	2612.585899
1882.07861				
CCL15	CCL15	1.041678189	0	0
LHX1	LHX1	12.50013826	77.46958485	2.230120273
14.71140133				
PHACTR1	PHACTR1	3.125034566	8.803361914	6.690360818
16.67292151				
PTGER3	PTGER3	10.41678189	4.401680957	0
PTCRA	PTCRA	1.041678189	0	0
BDH2	BDH2	977.094141	1020.309646	759.3559528
898.3762412				
8-Sep	8-Sep	750.0082959	576.6202054	681.3017433
514.8990466				
METAP1	METAP1	4060.46158	3743.189486	3547.006293
3671.965772				
TMEM74	TMEM74	5.208390943	0.880336191	30.10662368
1.961520177				
TMEM130	TMEM130	0	0	4.903800443

NIM1K	NIM1K	42.70880574	14.96571525	22.30120273
45.11496408				
RAD23A	RAD23A	10310.53071	9077.14647	8398.632946
9195.606591				
MARCKSL1	MARCKSL1		1385.431991	4207.126659
1799.70706	2639.225399			
GPR34	GPR34	483.3386796	477.1422158	173.9493813
125.5372913				
MOV10L1	MOV10L1	2.083356377	0	0
CDK2AP2	CDK2AP2	11409.5012	11485.74629	8543.590764
10557.88235				
KIAA0895	KIAA0895		270.8363291	348.6131318
201.8258847	244.2092621			
KLK6	KLK6	0	0	1.961520177
PRSS2	PRSS2	0	5.282017149	0
CETN2	CETN2	833.342551	795.8239171	698.0276453
761.0698288				
SLBP	SLBP	18169.99265	13671.62105	12359.32655
11848.56263				
BRAF	BRAF	384.3792516	632.9617216	643.3896986
629.6479769				
BPHL	BPHL	553.1311182	419.0400271	481.7059789
578.6484523				
ZNF670	ZNF670	276.04472	286.1092622	438.2186336
440.3612798				
MRPL54	MRPL54	2645.862599	1900.645837	1606.801656
1214.18099				
CHST14	CHST14	70.83411683	209.5200136	35.68192436
73.55700665				
NOTCH1	NOTCH1	793.7587798	3219.389452	1260.017954
1517.235857				
GDPD2	GDPD2	0	2.641008574	20.07108245
1-Sep	1-Sep	11848.04772	13429.5286	6424.976505
9098.511343				
PARD6B	PARD6B	53.12558762	135.5717735	305.5264773
129.4603317				
EXOSC7	EXOSC7	3733.374628	2659.495634	2708.481071
3254.161974				
MIR4292	MIR4292	6.250069132	16.72638764	6.690360818
2.942280266				
QS0X1	QS0X1	606.2567058	1302.017227	798.3830576
1371.102604				
ALG11	ALG11	1765.64453	1514.178249	2201.128709
1574.119942				
MEN1	MEN1	3198.993717	3254.6029	3712.035194
4332.017312				
STAMBPL1	STAMBPL1		2705.238256	1611.01523
2662.763605	2658.8406			
USP35	USP35	144.7932682	194.5542983	154.9933589
158.8831344				

NELFCD	NELFCD	8806.347407	5590.134816	7604.710129
7454.757434				
CDKN1A	CDKN1A	21061.6913	6466.949662	11117.14956
7222.317293				
MAP2	MAP2	3.125034566	4.401680957	0 25.49976231
HNRNPU	HNRNPU	59230.86349	53244.49353	46070.93965
55326.63812				
TSHR	TSHR	40.62544936	568.6971797	40.14216491
90.22992816				
EPGN	EPGN	21.87524196	11.44437049	36.7969845
2.942280266				
PHF19	PHF19	6517.780427	8037.469428	2624.851561
3115.874802				
NTMT1	NTMT1	3559.414371	2788.024718	3400.933416
3113.913282				
ABCA8	ABCA8	0 0	0 0.980760089	
UBL7	UBL7	5352.142534	4514.36399	4165.864669
4409.497359				
BLOC1S5	BLOC1S5	2301.067119	1928.816595	2853.438889
2423.458179				
SSC5D	SSC5D	7.291747321	2.641008574	4.460240545
3.923040355				
IFIT5	IFIT5	1990.647019	1012.38662	8319.463677
3124.701642				
FSCN2	FSCN2	1.041678189	2.641008574	0 0
INMT	INMT	5.208390943	5.282017149	27.87650341
3.923040355				
DDX18	DDX18	5682.354519	4639.371729	7736.287225
6839.820858				
NCAM2	NCAM2	6.250069132	0 0	6.865320621
NDUFA1	NDUFA1	10794.91107	11895.10262	9447.904535
9120.088065				
KRT17	KRT17	37.50041479	9.683698106	65.78854804
6.865320621				
COX6C	COX6C	14509.53549	18152.53227	12116.24344
12839.13032				
ADAR	ADAR	25658.61714	31032.73108	43586.58567
29335.51501				
SLC15A2	SLC15A2	31.25034566	87.15328295	42.37228518
35.30736319				
CLDN9	CLDN9	0 2.641008574	0 0	0
COQ2	COQ2	1031.261407	1315.22227	1035.890867
1402.486927				
SGSM3	SGSM3	3511.497174	3644.591833	2399.609413
4267.287146				
ADAMTS7	ADAMTS7	2.083356377	7.042689532	0 0.980760089
SLC38A4	SLC38A4	0 5.282017149	0 0	3.923040355
H1F0	H1F0	143.75159	392.6299414	450.4842951
360.9197126				
GZMM	GZMM	630.2153042	741.2430732	611.0529547

854.2420372					
GRPR GRPR	3.125034566	6.16235334	28.99156354		
3.923040355					
PDIA3 PDIA3	29111.78034	24196.04022	41735.58584		
35045.50025					
CYSLTR2 CYSLTR2	33.33370204	36.97412004	161.6837198		
110.82589					
ATG13 ATG13	8167.798678	6687.03371	7664.923377		
7080.10708					
SBN02 SBN02	407.2961718	2457.898646	490.62646		
698.3011831					
SLC8A2 SLC8A2	0 0.880336191	5.575300681	2.942280266		
EBP EBP	15659.54821	8817.447293	6679.210216		
6544.612072					
CLDN16 CLDN16	0 1.760672383	0	0		
GNA13 GNA13	6946.95184	9460.092713	8480.032336		
6991.838672					
FARS2 FARS2	1792.728163	1831.979614	1417.241433		
2092.942029					
SKIL SKIL	805.2172399	879.4558552	1322.461322		
873.857239					
PALM3 PALM3	3.125034566	3.521344766	0 0.980760089		
CLTCL1 CLTCL1	13.54181645	29.05109432	55.75300681		
56.88408514					
CD9 CD9	1397.932129	2059.986688	519.6180235		
1167.104506					
ST3GAL2 ST3GAL2	1771.894599	2667.41866	1593.420935		
1846.771247					
USP11 USP11	3159.409946	4004.649335	8657.326898		
5753.13868					
PNPLA4 PNPLA4	690.6326391	453.3731386	589.8668121		
472.7263627					
PRH2 PRH2	0 4.401680957	10.03554123	0		
HIST1H3I HIST1H3I	18.7502074	92.4353001			
13.38072164	15.69216142				
HIST1H3E HIST1H3E	35.41705842	7.923025723			
28.99156354	8.826840798				
JMJD4 JMJD4	2183.357484	1951.705336	2255.766656		
2445.034901					
MCPH1 MCPH1	2041.68925	1977.235086	2158.756424		
2175.325877					
MYD88 MYD88	16492.89076	11118.6461	12597.94942		
10902.12915					
CASP10 CASP10	1744.810966	1281.769495	1433.967335		
725.7624656					
TEC TEC	42.70880574	67.78588674	194.0204637		
205.9596186					
SECISBP2 SECISBP2	2230.233002	2326.728554			
2693.985289	2357.747253				
SEPP1 SEPP1	63.54236951	132.9307649	198.4807043		

164.7676949					
EWSR1	EWSR1	55425.61306	39886.27216	36386.64237	
39180.38478					
DNAJC5B	DNAJC5B	9.375103698	6.16235334	33.45180409	
10.78836098					
CD209	CD209	0	0	1.115060136	0
EYA2	EYA2	6.250069132	4.401680957	0	0
FCGR3A	FCGR3A	0	7.042689532	14.49578177	7.846080709
ULK4P2	ULK4P2	0	2.641008574	0	0
TMP0-AS1	TMP0-AS1		2427.11018	2561.778317	
1411.666133		1677.099752			
INTS4L2	INTS4L2	8.33342551	6.16235334	6.690360818	
8.826840798					
SMG1P1	SMG1P1	458.338403	605.6712997	475.015618	
652.205459					
RPL21P44	RPL21P44		3.125034566	1.760672383	
23.41626286		11.76912106			
LINC00469	LINC00469		0	2.641008574	23.41626286
0					
ECE1	ECE1	5164.64046	5978.363076	8127.673333	
8011.829164					
SLFN14	SLFN14	3.125034566	22.00840479	5.575300681	
2.942280266					
PTCH1	PTCH1	14.58349464	62.50386959	228.5873279	
105.9220896					
ABLIM2	ABLIM2	9.375103698	13.20504287	16.72590204	
47.07648426					
LTB4R2	LTB4R2	268.7529727	309.8783394	195.1355238	
437.4189995					
PRKACA	PRKACA	117.7096353	288.7502708	100.3554123	
101.0182891					
SORT1	SORT1	186.4603958	186.6312726	100.3554123	
47.07648426					
RAB27A	RAB27A	6690.699006	13276.3501	4902.919419	
9048.492578					
FIG4	FIG4	2054.189388	1666.47641	1520.942026	
1954.654857					
SPIN2B	SPIN2B	197.9188559	194.5542983	137.1523968	
197.1327778					
GJB3	GJB3	0	0	1.961520177	
LRRC66	LRRC66	3.125034566	7.042689532	0	8.826840798
C1orf53	C1orf53	46.87551849	31.69210289	57.98312709	
22.55748204					
MAGIX	MAGIX	50.00055306	32.57243908	94.78011158	
26.48052239					
ZNF285	ZNF285	54.16726581	36.97412004	21.18614259	
88.26840798					
CPT1C	CPT1C	30.20866747	1.760672383	25.64638313	
12.74988115					
AXL	AXL	15.62517283	4.401680957	147.187938	

35.30736319					
OPN1SW	OPN1SW	64.5840477	14.96571525	138.2674569	
14.71140133					
EIF4A2	EIF4A2	5881.315053	4369.988854	13634.95535	
8628.72726					
ERCC3	ERCC3	6914.659817	5129.718988	5022.230854	
5456.949133					
ATP1B2	ATP1B2	0	6.16235334	11.15060136	5.884560532
LOC101928784	LOC101928784		295.8366056	258.8188403	
424.8379119		391.3232754			
FGF17	FGF17	3.125034566	0	17.84096218	1.961520177
FGF18	FGF18	5.208390943	6.16235334	0	0.980760089
DPM1	DPM1	4681.30178	4105.007661	4358.770073	
3979.92444					
HTR3D	HTR3D	0	0	7.805420954	0
SYTL3	SYTL3	3467.74669	3309.183744	3701.999652	
4279.056267					
RPRD1B	RPRD1B	2673.98791	2808.272451	2551.257592	
2154.729915					
HPS5	HPS5	3272.952869	2664.777651	3674.123149	
2345.978132					
MRPS18A	MRPS18A	4799.011415	3575.045273	3707.574953	
3618.023967					
RSPH9	RSPH9	48.95887487	32.57243908	41.25722504	
38.24964346					
TMEM254-AS1	TMEM254-AS1		106.2511752	95.07630868	
154.9933589		155.9408541			
CEP85L	CEP85L	1263.555643	1154.120747	2154.296183	
1514.293577					
C15orf26	C15orf26		4.166712755	0.880336191	0
1.961520177					
UBA5	UBA5	6421.946033	4474.748861	4203.776714	
6476.939626					
ARID5B	ARID5B	4244.838619	5421.990603	5409.156721	
5849.253169					
ITIH1	ITIH1	0	0	0.980760089	
C7orf50	C7orf50	2745.863705	2012.448534	2973.865383	
2646.090719					
RCL1	RCL1	2895.865365	3813.616381	2906.961775	
2611.764116					
HMGCR	HMGCR	3536.497451	4788.148545	4203.776714	
4952.838448					
ESRRG	ESRRG	0	0	2.230120273	0
DPYD	DPYD	2204.191047	2061.74736	1788.556459	
1725.156996					
TPI1	TPI1	115068.9811	79263.71	77429.77586	
111132.8679					
ADAL	ADAL	754.1750086	646.1667645	780.5420954	
580.6099725					
CERKL	CERKL	3055.242127	3786.325959	1018.049904	

1186.719707					
NR3C1 NR3C1	2638.570852	2491.351422	6433.896986		
4554.649852					
ZNF185 ZNF185	170.8352229	118.8453858	198.4807043		
176.536816					
LYRM7 LYRM7	1706.268873	1652.391031	2033.869689		
1903.655332					
ATG4B ATG4B	4662.551573	4648.175091	4432.364042		
4448.727762					
MAPK1 MAPK1	7884.46221	7724.95008	10373.40445		
9615.371909					
LOC728819	LOC728819	0	5.282017149	0	
19.61520177					
LOC101927151	LOC101927151	260.4195472	493.8686034		
337.8632213	611.9942953				
TCERG1 TCERG1	10178.23758	8638.739047	9100.005772		
9145.587827					
MIR1278 MIR1278	0	0.880336191	2.230120273	0.980760089	
NOTCH4 NOTCH4	0	0	1.115060136	0.980760089	
NFATC3 NFATC3	14997.04088	14927.8608	10152.62254		
10595.15124					
SLC28A3 SLC28A3	67.70908227	176.9475745	98.12529199		
104.9413295					
MIER1 MIER1	3187.535257	3669.241246	5129.276627		
3469.929194					
COG2 COG2	3493.788645	2718.478159	3193.53223		
3280.642497					
VNN2 VNN2	212.5023505	382.0659071	1098.334234		
804.2232727					
SLC7A8 SLC7A8	14.58349464	2.641008574	60.21324736		
41.19192372					
DCC DCC	0	0	0	0.980760089	
CTLA4 CTLA4	14455.36822	11755.12916	6810.787312		
15115.47449					
CSTA CSTA	0	2.641008574	1.115060136	0	
CTTN CTTN	84.37593328	184.8706002	248.6584104		
550.2064097					
DNAJB5 DNAJB5	300.0033183	433.1254062	346.7837024		
692.4166226					
BIRC2 BIRC2	2763.572235	2344.335278	3529.165331		
2956.010907					
BIRC3 BIRC3	13674.10958	10086.01175	14034.14688		
11986.8498					
DHPS DHPS	4185.462962	4166.631194	4566.171258		
4500.708047					
MX2 MX2	1658.351676	950.7630868	6277.788567		
1770.27196					
AGFG1 AGFG1	9063.64192	7312.072406	8321.693797		
8757.206832					
NKX2-5 NKX2-5	0	1.760672383	0	0	

C11orf91	C11orf91	9.375103698	3.521344766
16.72590204	11.76912106		
AR	AR	0	0
CDKN1C	CDKN1C	0	18.48706002
ACSL3	ACSL3	4546.925294	5083.061169
5512.852458			5849.605475
RAPH1	RAPH1	45.8338403	80.99092961
161.8254146			23.41626286
CTAGE5	CTAGE5	2602.112115	2774.819675
2450.919462			2119.729319
EEF1D	EEF1D	8077.172675	8101.73397
8649.323222			9601.782833
NASP	NASP	11877.21471	12616.9783
11020.80112			8705.274484
TUBD1	TUBD1	1005.219452	947.241742
836.5883556			1129.555918
CSRP1	CSRP1	6742.782915	6221.335865
4566.418973			3741.026757
ENY2	ENY2	5296.93359	5171.975125
4449.708522			4431.248982
KLRD1	KLRD1	250.0027653	35.21344766
128.4795716			226.3572077
LGALS1	LGALS1	15541.83858	23033.11611
8974.935571			3163.425607
RPSA	RPSA	18019.99099	17320.61457
16088.38849			17312.42368
NPR3	NPR3	1.041678189	0
LY86	LY86	14.58349464	16.72638764
43.1534439			93.66505145
MED17	MED17	4111.503811	2986.980698
3556.236082			4146.908647
CHST2	CHST2	1882.312487	1688.484815
1026.855813			732.5945095
FADS2	FADS2	129.1680954	689.3032379
410.9384772			113.7361339
SETMAR	SETMAR	702.0910992	675.2178588
653.1862191			777.196915
SYNGR3	SYNGR3	661.4656498	1011.506284
1082.759138			565.3354891
NEURL1	NEURL1	111.4595662	360.0575023
277.5551051			151.6481785
RPP38	RPP38	1502.099948	1302.017227
1673.176711			1784.096218
RPP30	RPP30	3716.707777	3482.609973
3917.155794			3989.685168
MATN2	MATN2	3.125034566	26.41008574
34.3266031			12.2656615
SCAMP1	SCAMP1	1410.432268	1272.085797
1228.892391			2367.272669
CD83	CD83	2843.781455	931.3956905
			4413.408019

3229.642972				
HLA-DPB1	HLA-DPB1		1323.972978	155.8195059
692.4523446	87.28764789			
S1PR2 S1PR2	243.7526962		358.2968299	291.0306956
370.7273135				
FOXJ3 FOXJ3	2811.489431		3495.815016	4786.953165
4137.826814				
LAMP2 LAMP2	10443.86552		9112.359918	10290.89
7386.104228				
CTCF CTCF	5401.101408		4665.781815	4449.089944
3777.887862				
FAM109A FAM109A	57.29230038		55.46118006	144.9578177
78.46080709				
GNE GNE	829.1758382		1398.854208	1037.005927
968.0102075				
HELQ HELQ	1273.972425		923.4726648	1694.891407
1245.565313				
GST01 GST01	9658.440166		8253.151795	7397.308944
7594.025367				
LTA LTA	4.166712755	0	10.03554123	3.923040355
FXYD6 FXYD6	0 0	21.18614259	0	
FANCD20S	FANCD20S	156.2517283	241.2121165	
147.187938	135.3448922			
CCHCR1 CCHCR1	64.5840477		143.4947992	69.13372845
154.960094				
BZRAP1 BZRAP1	112.5012444		634.722394	150.5331184
247.1515423				
ATP2A3 ATP2A3	4559.425432		12433.86837	3423.234618
4559.553652				
FAM129C FAM129C	2.083356377		3.521344766	15.61084191
1.961520177				
DSN1 DSN1	3802.125389		3028.356499	2591.399757
2727.493807				
PIGX PIGX	5109.431516		4670.183496	2846.748528
3652.35057				
PLIN1 PLIN1	0 1.760672383	0		1.961520177
PLD3 PLD3	1759.394461		1955.226681	2293.6787
1927.193574				
SHB SHB	16.66685102		44.01680957	30.10662368
57.86484523				
SRSF3 SRSF3	30373.25263		26897.79199	27491.80766
25508.58915				
RGPD5 RGPD5	307.2950657		233.2890907	296.6059962
288.3434661				
CBX3 CBX3	16000.17698		13091.4795	11443.86218
13816.94813				
SEBOX SEBOX	0 3.521344766	0		0
SLC35B3 SLC35B3	1353.139967		954.2844315	1286.779397
1041.567214				
ENTPD4 ENTPD4	2556.278275		3352.320217	2782.07504

2860.877179					
NFASC	NFASC	0	9.683698106	1.115060136	9.807600887
ZNF668	ZNF668	1117.720696	989.4978792	792.8077569	
957.2218465					
RAB40C	RAB40C	942.7187608	1000.94225	981.2529199	
1117.085741					
ZFP62	ZFP62	503.1305651	645.2864283	979.0227996	
910.1453623					
PRR29	PRR29	3943.793622	2363.702674	4345.389351	
3100.18264					
NE01	NE01	148.959981	444.5697767	282.1102145	
456.0534412					
WDR46	WDR46	11.45846008	386.467588	7.805420954	
598.2636541					
CMIP	CMIP	23.95859834	108.2813515	16.72590204	
34.3266031					
FLNB	FLNB	3722.957846	9056.018401	2622.62144	
2586.264354					
IGFBP1	IGFBP1	1.041678189	0.880336191	0	0
KCTD7	KCTD7	1092.72042	1368.922778	997.978822	
1147.489304					
BARX2	BARX2	2.083356377	2.641008574	0	0.980760089
OXA1L	OXA1L	5142.765218	4981.822507	4084.465279	
5222.547472					
HDAC9	HDAC9	42.70880574	30.8117667	173.9493813	
200.0750581					
FAM213B	FAM213B	1466.68289	1360.999752	1629.102859	
2446.996421					
IFRD2	IFRD2	8284.466635	4866.498466	7397.308944	
8116.770494					
DUSP11	DUSP11	4687.551849	3065.330619	4294.096585	
4037.789285					
DYRK2	DYRK2	1409.390589	2187.635436	3749.947238	
2712.782405					
CDC16	CDC16	2406.276616	2864.613967	1973.656441	
3043.298555					
UGT3A2	UGT3A2	2.083356377	10.5640343	4.460240545	
11.76912106					
FRS2	FRS2	309.378422	434.0057424	1102.794475	
565.8985712					
STRN3	STRN3	657.2989371	933.1563629	443.7939342	
663.97458					
FAM26D	FAM26D	0	0	0	0.980760089
FOXMI	FOXMI	4961.513213	7187.064667	2808.836483	
3444.429431					
SLC35E2B	SLC35E2B		1547.933788	3590.891325	
2013.798606		3258.085015			
WDR83	WDR83	5062.555997	4837.447372	5147.117589	
4928.319446					
SULT1A4	SULT1A4	12.50013826	26.41008574	14.49578177	

13.73064124					
ANXA2	ANXA2	62775.69436	48711.64248	18344.96936	
25406.5901					
FCH02	FCH02	16.66685102	35.21344766	35.68192436	
86.3068878					
NKRF	NKRF	717.716272	1069.608473	875.322207	
847.3767166					
GYS1	GYS1	5354.22589	4791.66989	3083.141277	
4862.60852					
MID1	MID1	8.33342551	0	0	15.69216142
SYT2	SYT2	6.250069132	3.521344766	0	0.980760089
POMC	POMC	32.29202385	88.91395534	86.97469063	
229.4978607					
SCNN1A	SCNN1A	10.41678189	9.683698106	17.84096218	
19.61520177					
GREB1	GREB1	15.62517283	10.5640343	32.33674395	
3.923040355					
STRIP1	STRIP1	3126.076244	2842.605562	3870.373733	
3248.277414					
FARSB	FARSB	13418.89843	8121.981702	9592.862352	
9400.58545					
PIP4K2B	PIP4K2B	1116.679018	2214.925858	1359.258306	
1943.866496					
ABCC5	ABCC5	820.8424127	931.3956905	579.8312709	
895.433961					
PRSS57	PRSS57	7.291747321	0	0	0
MAD1L1	MAD1L1	2627.112392	2409.480156	1844.309465	
2028.211863					
RPS18	RPS18	0	13.20504287	2.230120273	6.865320621
LAMB1	LAMB1	11.45846008	24.64941336	33.45180409	
6.865320621					
CASC11	CASC11	3.125034566	0.880336191	17.84096218	
6.865320621					
LIPT1	LIPT1	237.502627	169.9048849	439.3336937	
347.1890714					
BSCL2	BSCL2	2989.616402	2390.993096	2426.370857	
1958.577897					
NOL10	NOL10	4317.756092	3136.63785	3649.591826	
3870.07931					
LINC00511	LINC00511		3.125034566	18.48706002	0
2.942280266					
TSN	TSN	11207.41563	8795.438889	9420.028031	
9977.272382					
SLC43A1	SLC43A1	998.969383	1245.675711	724.7890886	
1187.700467					
NFYA	NFYA	2127.106861	2324.967882	2561.293133	
2319.49761					
TERT	TERT	83.3342551	247.3744698	26.76144327	
144.171733					
CDCA7	CDCA7	8865.723064	10537.62421	3057.494894	

5947.329178				
ZNF655	ZNF655	5384.434557	4951.891077	4749.04112
4893.012082				
IQSEC1	IQSEC1	1356.265002	2860.212286	1079.378212
1697.695713				
JAKMIP1	JAKMIP1	2170.857345	2774.819675	822.9143806
1247.526833				
FASTKD2	FASTKD2	5778.188913	3601.455359	6316.815672
5716.850557				
CCDC124	CCDC124	3922.960059	2721.999504	2397.379293
2651.97528				
SUCLG2	SUCLG2	3762.541618	2966.732965	3695.309292
4113.307812				
ZNF549	ZNF549	486.4637141	572.2185244	968.9872584
868.9534386				
ALCAM	ALCAM	1165.637893	976.2928363	1183.078805
905.2415618				
PI3	PI3	1.041678189	0	0
HIVEP3	HIVEP3	1154.179433	2015.969878	1140.706519
1414.256048				
RIC1	RIC1	1448.97436	2398.916122	1817.548022
1574.119942				
WDFY1	WDFY1	4784.427921	4995.907886	6350.267476
5225.489752				
LMBRD2	LMBRD2	1286.472563	1116.266291	1060.42219
834.6268355				
COLQ	COLQ	34.37538023	35.21344766	88.08975076
120.6334909				
RHPN2	RHPN2	76.04250777	99.47798963	95.89517172
183.4021366				
MAGI1	MAGI1	35.41705842	30.8117667	8.92048109
13.73064124				
GBA3	GBA3	0	0.880336191	12.2656615
15.69216142				
MAP3K1	MAP3K1	4888.59574	5672.006081	6287.824108
5411.834169				
SEC11A	SEC11A	7734.460551	7201.150046	4705.553775
5027.376215				
RBM6	RBM6	3855.250976	4297.801287	3739.911697
4681.167903				
ITGB3BP	ITGB3BP	1627.101331	1838.141968	1332.496863
1461.332532				
CNST	CNST	3432.329632	2829.400519	4290.751404
3548.390001				
SRA1	SRA1	7675.084894	4230.0154	4669.871851
4037.789285				
RABGAP1L	RABGAP1L		3944.835301	3364.644924
3939.507461		3614.100927		
RPL14	RPL14	6930.284989	8563.030134	9945.221355
9326.047683				
ART3	ART3	60.41733494	63.38420578	30.10662368

34.3266031						
TMEM132C	TMEM132C		0	0.880336191	0	0
ATL2	ATL2	3895.876426	3557.43855		3335.144868	
3373.814705						
MLLT10	MLLT10	229.1692015	624.1583597		545.2644066	
336.4007104						
TSEN2	TSEN2	1022.927981	617.9960064		1601.226356	
1143.566263						
PACSIN1	PACSIN1	19.79188559	42.25613719		0	17.6536816
TMEFF2	TMEFF2	3.125034566	0	0	0	
TTC8	TTC8	176.0436139	161.9818592		227.4722678	
168.6907353						
AFTPH	AFTPH	3359.412159	3240.517521		3075.335856	
2709.840125						
MGST3	MGST3	1023.969659	2138.336609		2077.357034	
2349.901172						
MEOX1	MEOX1	210.4189941	51.93983529		130.4620359	
88.26840798						
TRIM68	TRIM68	1265.638999	1007.104603		1945.779938	
1260.276714						
PTPRO	PTPRO	83.3342551	41.375801		541.9192262	
122.5950111						
SLC39A3	SLC39A3	2470.860664	2020.371559		2085.162455	
1743.791438						
NOP9	NOP9	1155.221111	2067.909714		1012.474604	
1835.002126						
ZBTB7B	ZBTB7B	730.2164103	1981.636767		527.4234445	
847.3767166						
DBT	DBT	1215.638446	1160.2831		1255.557713	
1339.718281						
HSPA9	HSPA9	38400.42475	25946.14857		38689.24155	
36414.64133						
MY05B	MY05B	17.70852921	12.32470668		6.690360818	
30.40356275						
DAXX	DAXX	153.1266937	146.1358078		98.12529199	
154.960094						
MLST8	MLST8	3380.245722	2371.6257		2310.404602	
2395.016137						
MGAT5B	MGAT5B	25.00027653	38.73479242		64.6734879	
30.40356275						
CSAG3	CSAG3	10.41678189	0.880336191		28.99156354	0
CCDC42B	CCDC42B	965.6356809	794.0632447		1080.493272	
965.0679272						
ZFYVE19	ZFYVE19	1764.602852	1223.667306		1388.24987	
1479.966974						
TMPRSS13	TMPRSS13		48.95887487		45.77748195	
82.51445008	35.30736319					
INS-IGF2	INS-IGF2		1.041678189		11.44437049	
6.690360818	105.9220896					
DRP2	DRP2	23.95859834	47.53815434		7.805420954	

22.55748204					
CENPL	CENPL	2461.48556	2070.550722	1685.970926	
1828.136805					
CX3CR1	CX3CR1	854.1761147	242.9727888	130.4620359	
49.03800443					
SLC25A21	SLC25A21	0	0.880336191	7.805420954	
0					
PDIA6	PDIA6	30901.38347	26107.25009	19220.29157	
24151.21718					
EMR3	EMR3	0	0	0.980760089	
SPNS1	SPNS1	3253.160983	1947.303655	2545.682291	
1759.483599					
CEP63	CEP63	857.3011493	1037.036034	1176.388444	
1270.084315					
SNCA	SNCA	90.62600242	235.9300993	34.56686422	
74.53776674					
CDHR1	CDHR1	5.208390943	0.880336191	0	3.923040355
GUF1	GUF1	3410.45439	2147.139971	2278.067858	
2326.36293					
POLR1A	POLR1A	1087.512029	2123.370894	1517.596845	
1687.888113					
DLL3	DLL3	90.62600242	88.03361914	102.5855325	
69.6339663					
LGSN	LGSN	0	0	10.78836098	
SETDB1	SETDB1	1144.804329	1578.442791	1602.341416	
1323.04536					
MAPRE1	MAPRE1	14134.53134	13146.94068	10584.15081	
11598.46881					
COA4	COA4	3510.455496	3106.70642	2831.137686	
3109.990241					
PCDHGA4	PCDHGA4	6.250069132	4.401680957	54.63794668	
15.69216142					
LSM5	LSM5	5944.857423	6461.667645	5460.449487	
5458.910654					
SCAND1	SCAND1	2060.439457	2095.200136	1679.280565	
1716.330155					
PSMC3IP	PSMC3IP	2625.029036	1810.851546	2069.551613	
1931.116615					
ANKMY1	ANKMY1	310.4201002	294.0322879	480.5909187	
536.4757685					
KLHL3	KLHL3	44.79216211	101.238662	131.5770961	
150.0562936					
ZNF227	ZNF227	1490.641488	1394.452527	2167.676905	
1362.275763					
LETM1	LETM1	4968.80496	4501.158947	3968.499025	
4096.63489					
LDOC1	LDOC1	431.2547701	615.3549978	343.438522	
491.3608044					
LPHN2	LPHN2	0	19.36739621	0	0
KIR2DS4	KIR2DS4	0	1.760672383	0	0

GPR83	GPR83	0	0	0	4.903800443	
KIF4A	KIF4A	3956.293761		3504.618378		1749.529354
2383.247015						
HNRNPC	HNRNPC	75222.70704		50187.96627		59244.2601
58710.26043						
SULF1	SULF1	0	0	1.115060136		0
LAIR1	LAIR1	4896.929165		2681.504039		1003.554123
952.3180461						
TICAM2	TICAM2	389.5876426		313.3996842		283.2252746
258.9206634						
C5orf30	C5orf30	2187.524196		2200.840479		831.8348617
990.5676896						
BPIFB1	BPIFB1	0	0	0	0.980760089	
WDR63	WDR63	14.58349464		12.32470668		23.41626286
12.74988115						
ZNF383	ZNF383	313.5451348		275.5452279		730.3643893
506.0722058						
CLDN23	CLDN23	4.166712755		1.760672383		0 15.69216142
PXDNL	PXDNL	4.166712755		2.641008574		0 0.980760089
TMEM71	TMEM71	1444.807648		1938.500294		1157.432421
1521.158898						
ZFAND2A	ZFAND2A	1045.844901		1029.113008		1267.823375
1034.701894						
IFI27L1	IFI27L1	540.6309799		1412.939587		266.4993726
713.9933446						
GNL3	GNL3	12933.47639		8792.79788		13582.54752
14203.3676						
RNF168	RNF168	1682.310275		2096.080472		2274.722678
1751.637518						
CCM2	CCM2	8953.224032		7114.877099		4596.277882
4381.055316						
C7orf31	C7orf31	109.3762098		160.2211868		269.844553
207.9211388						
SLC9B1	SLC9B1	1957.313317		1508.896232		1321.346261
1256.353674						
FAM160A2	FAM160A2			419.79631		750.9267713
970.1023186	646.3208984					
MID1IP1	MID1IP1	1429.182475		2446.454276		2017.143787
1761.445119						
MAGED4	MAGED4	0	0	0	2.942280266	
METAP1D	METAP1D	189.5854303		127.6487478		163.91384
180.4598563						
RPL13	RPL13	24098.18322		21700.28712		26722.41617
24830.88392						
LINC01119	LINC01119			2.083356377		0 12.2656615
2.942280266						
KIAA0930	KIAA0930			166.6685102		446.3304491
324.4824997	272.6513047					
PHF21A	PHF21A	1283.347528		1638.305652		1393.82517
1407.390727						

TDRKH	TDRKH	1913.562833	2194.678125	2109.693778	
2496.034426					
BZRAP1-AS1	BZRAP1-AS1	4361.506576	6021.499549		
3504.634008	4875.358401				
MTA3	MTA3	951.0521863	1322.26496	1030.315566	
1146.508544					
STMN4	STMN4	1.041678189	0	0	
SS18	SS18	9575.105911	7492.541325	8774.408212	
8741.51467					
CLEC12A	CLEC12A	2.083356377	7.923025723	2.230120273	0
MAGEE2	MAGEE2	1.041678189	0	0	
HIST3H2BB	HIST3H2BB	19.79188559	25.52974955		
12.2656615	13.73064124				
HIST4H4	HIST4H4	35.41705842	55.46118006	57.98312709	
41.19192372					
ADSSL1	ADSSL1	18.7502074	19.36739621	93.66505145	
31.38432284					
SYS1	SYS1	2045.855963	1479.845138	2633.772042	
1660.42683					
PTCD2	PTCD2	601.0483149	445.4501129	331.1728605	
483.5147237					
SCN11A	SCN11A	5.208390943	0.880336191	20.07108245	
3.923040355					
FKRP	FKRP	461.4634376	756.2087884	592.0969324	
431.534439					
STRN4	STRN4	4640.676331	4225.613719	3210.258132	
3452.275512					
FAM76A	FAM76A	351.0455496	513.2359996	634.4692175	
501.1684053					
MIR4761	MIR4761	1333.348082	734.2003837	839.6402826	
938.5874049					
MIR4758	MIR4758	0	0.880336191	0	
LINC00332	LINC00332	2.083356377	0	0	12.2656615
3.923040355					
SNX22	SNX22	24337.7692	16117.19499	15948.70513	
13535.46998					
VPS51	VPS51	4394.840278	3994.085301	3906.055657	
4567.399733					
PSMA8	PSMA8	77.08418596	84.51227438	123.7716751	
118.6719707					
SPINK5	SPINK5	5.208390943	0	0	0.980760089
NQ01	NQ01	4583.38403	2135.6956	1415.011313	
1040.586454					
PHACTR4	PHACTR4	1711.477264	2111.046187	1603.456476	
1899.732292					
CSK	CSK	5375.059454	8265.476501	3383.092453	
4432.054841					
MY07A	MY07A	29.16698928	43.13647338	57.98312709	
69.6339663					
NTNG1	NTNG1	0	0	0	3.923040355

TMEM70	TMEM70	4307.33931	3901.65	3887.099635	3808.291424
C5orf49	C5orf49	3.125034566	1.760672383	0	0
CDC25B	CDC25B	5470.893847	6656.221943	2803.261183	
2480.342264					
GNA15	GNA15	3269.827834	5707.219529	966.7571381	
2483.284545					
FAM219B	FAM219B	1610.43448	1841.663312	1617.952258	
2294.978607					
MIR1343	MIR1343	1.041678189	0	0	0
LOC100499489	LOC100499489		47.91719668	43.13647338	
201.8258847	129.4603317				
UBAC2-AS1	UBAC2-AS1		108.3345316	117.9650497	
256.4638313	149.0755335				
LOC100499484-C90RF174	LOC100499484-C90RF174			105.2094971	
65.14487817	133.8072164		141.2294528		
ZNF226	ZNF226	467.7135067	713.0723151	962.2968976	
999.3945304					
G6PD	G6PD	167.7101884	1117.146627	220.781907	
207.9211388					
ABI1	ABI1	12922.01793	11152.97921	10289.77494	
11010.01276					
ZIC4	ZIC4	0	0	0.980760089	
SMG7	SMG7	5146.93193	5841.910966	4785.838105	
5371.623006					
OSBPL10	OSBPL10	275.0030418	247.3744698	49.062646	
75.51852683					
CENPO	CENPO	2837.531386	3597.934014	2165.446785	
2236.133002					
ADORA2A	ADORA2A	2930.240745	3479.088629	2574.673855	
4239.825863					
ADH5	ADH5	7863.628646	7174.73996	5567.49526	
6382.786657					
MTHFSD	MTHFSD	886.4681386	839.8407266	916.579432	
818.934674					
RNF103	RNF103	1225.01355	1214.863944	1270.053495	
1250.469113					
LTBP2	LTBP2	8.33342551	9.683698106	26.76144327	
10.78836098					
CLEC3B	CLEC3B	2.083356377	2.641008574	11.15060136	
3.923040355					
AURKC	AURKC	25.00027653	11.44437049	43.48734531	
11.76912106					
GAB1	GAB1	2.083356377	40.49546481	0	3.923040355
ATP6V0E1	ATP6V0E1		10139.69549	8409.851637	
10585.26587	8571.843175				
KITLG	KITLG	4.166712755	0.880336191	17.84096218	0
ZNF202	ZNF202	1183.346422	919.0709839	1254.442653	
1317.160799					
MYOT	MYOT	39.58377117	33.45277527	22.30120273	
31.38432284					

TRAF5	TRAF5	3508.37214	4410.484319	2116.384139	
4169.211137					
RAPGEF6	RAPGEF6	3688.582466	4764.379468	5976.72233	
5964.002099					
MIR4435-1HG	MIR4435-1HG		2810.447753	5518.827584	
867.516786	1830.098325				
TTC26	TTC26	910.4267369	740.362737	429.2981525	
678.6859814					
FBLL1	FBLL1	1.041678189	0.880336191	1.115060136	0
LINC01135	LINC01135		6.250069132	12.32470668	
20.07108245	9.807600887				
PPP4R1L	PPP4R1L	466.6718285	557.2528092	321.1373192	
326.5931095					
PRRT4	PRRT4	0	12.2656615	4.903800443	
SPTAN1	SPTAN1	6267.777661	15730.7274	6490.765053	
8940.608968					
C2orf74	C2orf74	552.08944	542.2870939	681.3017433	
630.628737					
CAMK2G	CAMK2G	159.3767629	339.8097699	393.6162281	
214.7864594					
CAMK2D	CAMK2D	2228.149646	3582.087963	2993.936466	
3578.793564					
MXD1	MXD1	1692.727057	1999.243491	641.1595784	
745.3776674					
M6PR	M6PR	12914.72618	8716.208631	14394.3113	
12113.36786					
EPCAM	EPCAM	8.33342551	1.760672383	14.49578177	
7.846080709					
TACSTD2	TACSTD2	0	1.115060136	4.903800443	
SH2D1A	SH2D1A	12187.63481	9173.103115	7692.79988	
6242.537964					
LYN	LYN	255.2111562	612.7139892	92.54999131	
314.8239885					
GTF2B	GTF2B	4584.425708	4026.65774	4911.8399	
3961.289998					
CDK7	CDK7	4640.676331	3056.527257	3016.237669	
3168.835846					
CENPB	CENPB	60.41733494	356.5361575	71.36384872	
92.19144833					
TGM4	TGM4	4.166712755	1.760672383	7.805420954	
4.903800443					
GHITM	GHITM	39658.772	26509.56373	34669.44976	
29452.22546					
APOA2	APOA2	3.125034566	0	0.980760089	
GPR64	GPR64	2.083356377	2.641008574	0	1.961520177
TRIM6-TRIM34	TRIM6-TRIM34		841.6759765	719.2346684	
871.9770266	843.4536763				
DDX11L2	DDX11L2	144.7932682	44.89714576	90.31987104	
31.38432284					
MCRS1	MCRS1	5622.978863	4553.979118	4168.094789	

4033.866245				
CDK5RAP1	CDK5RAP1		3840.667482	2769.537658
3142.239464	3564.082162			
DNAJB14	DNAJB14	2356.276063	2126.011902	2456.47748
2729.455327				
TXNRD2	TXNRD2	1229.180263	1386.529502	983.4830402
1089.624459				
NPIPA8	NPIPA8	1.041678189	0	4.460240545
				1.961520177
PLOD1	PLOD1	1650.018251	1857.509364	1010.244483
1276.949635				
SYNJ2BP-COX16	SYNJ2BP-COX16		3193.785327	3579.446954
2825.562385	2969.741548			
SNORD18B	SNORD18B		6.250069132	4.401680957
5.575300681	2.942280266			
SNORD18A	SNORD18A		16.66685102	0
				6.690360818
	7.846080709			
SNORD16	SNORD16	56.25062219	30.8117667	52.4078264
44.13420399				
LILRP2	LILRP2	0	0	5.884560532
ZFAT-AS1	ZFAT-AS1		28.12531109	36.97412004
33.45180409	48.05724434			
ARGFXP2	ARGFXP2	0	21.12806859	2.230120273
				16.67292151
DPRXP4	DPRXP4	0	5.282017149	0
				2.942280266
CYP4V2	CYP4V2	1182.304744	1432.306983	904.3137705
1559.408541				
MEIS3P1	MEIS3P1	0	0	0.980760089
MRPL42P5	MRPL42P5		114.5846008	121.4863944
74.70902913	130.4410918			
UBE3B	UBE3B	3140.659739	3303.901726	2906.961775
3658.235131				
SPOCD1	SPOCD1	0	0	26.76144327
YAP1	YAP1	7.291747321	0	25.64638313
				5.884560532
FTH1P3	FTH1P3	9.375103698	17.60672383	6.690360818
10.78836098				
HCG26	HCG26	3.125034566	11.44437049	11.15060136
12.74988115				
SUM01P1	SUM01P1	6.250069132	0	1.115060136
				0
FAM83A	FAM83A	1.041678189	0	0
				0
FAM98B	FAM98B	204.168925	287.8699346	188.445163
158.8831344				
PIR	PIR	739.591514	384.7069157	130.4620359
88.26840798				
ERI2	ERI2	1213.55509	1327.546977	841.8704029
1081.778378				
MSM01	MSM01	3740.666376	4080.358247	4084.465279
4678.225623				
RBP4	RBP4	1.041678189	0	0
				0
CCDC3	CCDC3	11.45846008	91.55496391	5.575300681
36.28812328				
ZMIZ2	ZMIZ2	1040.636511	2779.221356	1738.378752

2154.729915				
WNT16	WNT16	11.45846008	2.641008574	4.460240545
4.903800443				
EID2	EID2	1041.678189	1135.633687	1134.016159
1057.259376				
TRIM56	TRIM56	1577.100778	1635.664644	2103.003417
1579.023743				
DDAH1	DDAH1	0	0.880336191	5.575300681
0				0
CD200R1	CD200R1	1018.761269	758.849797	1959.160659
1004.298331				
NEK5	NEK5	0	2.641008574	0
0				0
MARK2	MARK2	3864.62608	3683.326625	3240.364756
2662.763641				
FBXL17	FBXL17	185.4187176	322.2030461	351.2439429
392.3040355				
POMT1	POMT1	3401.079286	2564.419326	1704.926948
2616.667917				
UCK1	UCK1	1926.062971	1862.791381	1651.404062
1580.985263				
SUV39H2	SUV39H2	2085.439734	1975.474414	1570.004672
1794.790962				
LGALS4	LGALS4	4.166712755	10.5640343	15.61084191
9.807600887				
RNF170	RNF170	1213.55509	1044.959059	1033.660746
1176.912106				
PHF8	PHF8	2486.485836	3700.933349	3545.891233
3494.448196				
FBXL20	FBXL20	539.5893017	926.9940096	963.4119577
909.1646022				
KLHL30	KLHL30	0	0	0.980760089
0				
EYS	EYS	2.083356377	4.401680957	8.92048109
0.980760089				
NHLRC1	NHLRC1	2.083356377	7.923025723	5.575300681
39.23040355				
SLC24A1	SLC24A1	67.70908227	205.9986688	177.2945617
220.67102				
TLX2	TLX2	132.29313	102.1189982	50.17770613
22.55748204				
PCNT	PCNT	3580.247935	4386.715242	2846.748528
2818.704495				
LOC100505812	LOC100505812		694.7993519	1091.616877
671.266202				
748.3199477				
HCG25	HCG25	0	8.803361914	0
0				17.6536816
NRARP	NRARP	27.08363291	33.45277527	3.345180409
12.74988115				
FGFRL1	FGFRL1	237.502627	300.1946413	391.3861078
473.7071228				
HGF	HGF	0	9.683698106	0
0				0
UMODL1	UMODL1	2.083356377	10.5640343	3.345180409
4.903800443				

TMC5	TMC5	1.041678189	2.641008574	2.230120273	0
PAPD5	PAPD5	997.9277048	1477.204129	1236.601691	
1048.432535					
ZKSCAN1	ZKSCAN1	4370.88168	4205.365986	5057.912778	
4259.441065					
GALK2	GALK2	2454.193813	1729.860616	1448.463117	
1621.196427					
FAM86A	FAM86A	2773.989017	1870.714407	2543.452171	
2218.479321					
ZIM2	ZIM2	0	0	1.961520177	
MFSD6	MFSD6	5513.602653	5411.426569	4534.949574	
4676.264103					
ROPN1L-AS1	ROPN1L-AS1		2.083356377	7.042689532	
4.460240545	1.961520177				
NR2F2-AS1	NR2F2-AS1		1.041678189	0	0
LINC01024	LINC01024		90.62600242	37.85445623	0
171.719261	50.99952461				
LINC00568	LINC00568		3.125034566	4.401680957	
1.115060136	10.78836098				
HLTF-AS1	HLTF-AS1		172.9185793	203.3576602	
160.5686596	199.094298				
SNX17	SNX17	13872.02844	10756.82792	10587.49599	
11729.89066					
AN07	AN07	7.291747321	4.401680957	14.49578177	
50.99952461					
DHRS3	DHRS3	1337.514794	757.0891246	2202.243769	
1288.718757					
LOC100134868	LOC100134868		45.8338403	46.65781815	
63.55842777	27.46128248				
DHRS4L1	DHRS4L1	96.87607155	60.74319721	71.36384872	
75.51852683					
CCNT1	CCNT1	710.4245247	1622.459601	822.9143806	
1178.873627					
CKS1B	CKS1B	6169.859912	6631.57253	5168.303732	
5814.926566					
LINC01420	LINC01420		1733.352506	1616.297247	
2990.591285	2233.190722				
LOC389834	LOC389834		236.4609488	316.9210289	
172.8343211	339.3429907				
LINC00635	LINC00635		0	1.760672383	0
ZNF670-ZNF695	ZNF670-ZNF695		54.16726581	73.06790389	0
65.78854804	47.07648426				
ARL17A	ARL17A	325.0035949	296.6732965	331.1728605	
336.4007104					
FAM195B	FAM195B	1755.227748	1656.792712	1632.448039	
1345.602842					
DHRS9	DHRS9	6.250069132	63.38420578	22.30120273	
150.0562936					
KIR3DS1	KIR3DS1	0	65.78854804	0.980760089	
SQSTM1	SQSTM1	20327.30817	14208.62613	44010.30852	

24358.15756					
FAM198A	FAM198A	5.208390943	3.521344766	12.2656615	0
ACPP	ACPP	1.041678189	1.760672383	8.92048109	0
RDM1	RDM1	110.417888	245.6137974	20.07108245	
170.6522554					
COL4A3BP	COL4A3BP		2141.690356	2148.900643	
2119.729319		1958.577897			
RGL1	RGL1	707.2994901	707.7902979	608.8228344	
412.8999973					
MTCH1	MTCH1	8565.719746	8063.879514	6773.990328	
7276.259098					
GPI	GPI	36478.52849	31809.18761	22046.96901	
32933.92378					
GP1BA	GP1BA	5.208390943	14.08537906	4.460240545	
2.942280266					
TRIM69	TRIM69	521.8807725	242.0924526	478.3607985	
423.6883583					
ZNRF3	ZNRF3	9.375103698	8.803361914	49.062646	
37.26888337					
ZNF30	ZNF30	319.7952039	296.6732965	647.8499392	
438.3997596					
HMG2P46	HMG2P46		14.58349464	14.96571525	
32.33674395		2.942280266			
CALHM2	CALHM2	2841.698099	2076.713076	842.985463	
1049.413295					
DMTF1	DMTF1	3250.035949	3418.345431	4479.196567	
3811.233705					
MPP2	MPP2	42.70880574	93.31563629	326.7126199	
210.8634191					
DNMBP-AS1	DNMBP-AS1		27.08363291	47.53815434	
47.94758586		45.11496408			
OSBP2	OSBP2	365.6290442	1199.898229	188.445163	
469.7840825					
ZFX	ZFX	3459.413265	2357.540321	4473.621267	
2211.614					
EXT2	EXT2	4206.296526	3110.227764	3890.444815	
3324.776701					
SYCP3	SYCP3	157.2934065	301.0749775	126.0017954	
343.266031					
CKLF-CMTM1	CKLF-CMTM1		4642.759687	6687.914046	
2745.278055		3979.92444			
RBBP6	RBBP6	3297.953145	4201.844642	4474.736327	
3748.465059					
SNORA62	SNORA62	66.66740408	39.61512861	43.48734531	
44.13420399					
KIZ	KIZ	644.7987988	581.9022225	824.0294407	
652.205459					
LAMA1	LAMA1	0	0	1.961520177	
GNB5	GNB5	1798.978232	1837.261632	2024.949207	
2125.307112					

MTUS2	MTUS2	1.041678189	2.641008574	7.805420954	
3.923040355					
DLGAP1	DLGAP1	12.50013826	1.760672383	22.30120273	
1.961520177					
WNT7A	WNT7A	0	36.7969845	41.19192372	
TTC4	TTC4	4118.795558	2639.247902	3921.666499	
3566.043682					
TAF7	TAF7	4991.72188	5391.178836	8148.859476	
6845.705419					
GADD45G	GADD45G	1037.511476	509.7146548	473.9005579	
335.4199503					
JTB	JTB	14036.61359	10249.75428	11996.93201	
10806.01466					
EIF2D	EIF2D	4194.838066	3215.868107	2688.409989	
3425.79499					
RAB1A	RAB1A	9500.105081	6483.67605	7254.581247	
6472.035825					
C1orf61	C1orf61	15.62517283	9.683698106	26.76144327	
23.53824213					
NUP62CL	NUP62CL	73.9591514	76.58924866	110.3909535	
70.61472638					
TMEM108	TMEM108	11.45846008	3.521344766	0	0
MTMR8	MTMR8	267.7112945	287.8699346	454.9445356	
345.2275512					
CUEDC2	CUEDC2	4413.590486	3521.344766	3118.823201	
3844.579548					
C1orf116	C1orf116		0	3.521344766	13.38072164
	10.78836098				
DDRGK1	DDRGK1	2997.949827	2171.789384	2334.935925	
1885.02089					
C7orf49	C7orf49	2867.740053	2405.078475	2619.27626	
2776.531811					
DLK2	DLK2	67.70908227	83.63193819	121.5415549	
132.402612					
C17orf53	C17orf53		1438.557579	1454.315388	
933.3053341	1196.527308				
CDHR2	CDHR2	4.166712755	6.16235334	10.03554123	
13.73064124					
YIPF2	YIPF2	554.1727964	601.2696188	670.1511419	
531.5719681					
TRPM6	TRPM6	8.33342551	14.96571525	0	0
BMS1P5	BMS1P5	5.208390943	4.401680957	44.60240545	
31.38432284					
SNORD71	SNORD71	1.041678189	1.760672383	2.230120273	0
SNORA20	SNORA20	13.54181645	18.48706002	25.64638313	
30.40356275					
SNORD70	SNORD70	15.62517283	13.20504287	24.531323	
5.884560532					
SNORD69	SNORD69	31.25034566	7.923025723	21.18614259	
9.807600887					

SLC22A17	SLC22A17	14.58349464	73.06790389	
120.4264947	215.7672195			
MRGBP MRGBP	1481.266384	1361.880088	1430.622155	
1297.545597				
ATP8B2 ATP8B2	2147.940425	3849.710165	2155.411243	
2400.900697				
HPSE2 HPSE2	0 0.880336191	0	0	
NCALD NCALD	3203.16043	4580.389204	1083.838452	
2252.805924				
UBE4B UBE4B	1348.973254	2164.746695	1175.273384	
1241.642272				
UBAP1 UBAP1	4152.12926	4427.210707	3966.268905	
3821.041305				
ENTPD1 ENTPD1	8475.093743	5135.001005	2880.200332	
2159.633715				
JSRP1 JSRP1	2.083356377	3.521344766	8.92048109	
16.67292151				
ATP6V0B ATP6V0B	12278.26081	9809.586181	8836.85158	
7378.258147				
RTN4RL2 RTN4RL2	3.125034566	7.923025723	11.15060136	
2.942280266				
RTN4RL1 RTN4RL1	16.66685102	21.12806859	90.31987104	
71.59548647				
ZDHHC21 ZDHHC21	878.1347131	890.0198895	467.2101971	
579.6292124				
NRBP2 NRBP2	67.70908227	156.6998421	95.89517172	
285.4011858				
PRMT3 PRMT3	3888.584678	2875.178001	3642.901465	
3454.237032				
CLPS CLPS	0 0	3.345180409	0	
ZNF182 ZNF182	604.1733494	722.7560132	858.5963049	
971.9332479				
LOC286190	LOC286190	455.2133685	373.2625452	
527.4234445	568.8408514			
SPATA42 SPATA42	0 0.880336191	0	0.980760089	
LOC100287792	LOC100287792	0 0.880336191	0	0
PSORS1C1	PSORS1C1	0 0	1.115060136	
0.980760089				
C1QTNF1 C1QTNF1	0 10.5640343	0	8.826840798	
C11orf74	C11orf74	25.00027653	58.98252483	
65.78854804	100.037529			
TP53 TP53	3053.158771	4870.900147	3665.202668	
3930.886435				
TPD52 TPD52	2781.280764	2638.367566	1983.691982	
2908.934423				
C14orf2 C14orf2	8360.509142	8409.851637	8022.85768	
6965.35815				
PGPEP1L PGPEP1L	1.041678189	0 0	0	
XRCC5 XRCC5	56445.41601	44343.4143	43770.57059	
48584.89327				

CA14	CA14	2.083356377	18.48706002	40.14216491
14.71140133				
COLGALT2	COLGALT2		72.91747321	127.6487478
4.460240545	48.05724434			
SYNP02	SYNP02	33.33370204	47.53815434	79.16926967
63.74940576				
SETD4	SETD4	841.6759765	622.3976873	932.1902739
878.7610394				
ZCCHC17	ZCCHC17	2601.070437	2269.506702	2391.803992
2168.460556				
PQLC3	PQLC3	1904.187729	2318.805528	2321.555204
2808.896894				
AHSA2	AHSA2	396.8793899	1103.941584	402.5367092
800.3002324				
CCDC86	CCDC86	5149.015287	2567.94067	3929.47192
3530.736319				
TAF1A	TAF1A	828.13416	617.1156702	836.2951022
879.7417995				
TRAPPC6A	TRAPPC6A		1200.013273	648.8077731
1101.679415	1136.700943			
PTGES3	PTGES3	26684.67016	19966.02482	26436.96077
23089.05401				
LDLR	LDLR	3602.123177	5773.244743	3942.852642
5490.294976				
SLC02B1	SLC02B1	10.41678189	3.521344766	0 19.61520177
STON1	STON1	101.0427843	124.127403	44.60240545
57.86484523				
STON1-GTF2A1L	STON1-GTF2A1L		51.04223125	71.30723151
23.41626286	34.3266031			
FAT2	FAT2	2.083356377	10.5640343	15.61084191
24.51900222				
TRAF1	TRAF1	16976.22944	11704.06967	19106.55543
20841.15188				
HERC6	HERC6	5296.93359	2229.891573	10435.84782
4046.616126				
GSTZ1	GSTZ1	635.4236951	615.3549978	508.4674221
572.7638918				
CHD9	CHD9	834.3842291	1006.224267	1410.551072
1023.913533				
ABCC11	ABCC11	1.041678189	0 0	9.807600887
KDEL2	KDEL2	9651.148418	7439.721154	8491.182938
6934.954587				
PDE11A	PDE11A	0 0	0 0.980760089	
SERPINE3	SERPINE3		2.083356377	6.16235334
13.38072164	4.903800443			
SMIM13	SMIM13	776.0502506	909.3872858	681.3017433
657.1092594				
ZBTB10	ZBTB10	28.12531109	49.29882672	598.7872932
502.1491654				
CMTM1	CMTM1	105.2094971	142.614463	36.7969845

84.34536763					
XKR7	XKR7	0	0	1.115060136	0
HAUS8	HAUS8	2345.859281		2028.294585	1516.481785
1641.792388					
TLE3	TLE3	1440.640935		2699.991099	1875.531149
2313.613049					
SUPT5H	SUPT5H	9754.274559		11567.61756	10355.56349
10178.3282					
C4BPB	C4BPB	172.9185793		110.0420239	61.32830749
34.3266031					
CANX	CANX	47340.10696		39050.83312	41392.14732
35390.7278					
NOS1AP	NOS1AP	1.041678189	0	0	0
MYSM1	MYSM1	788.5503888		1214.863944	1016.934844
1090.605219					
RPL36AL	RPL36AL	13252.22992		13583.58743	13046.20359
11446.45099					
TGFBI	TGFBI	0	6.16235334	17.84096218	20.59596186
ZNF711	ZNF711	8.33342551		179.5885831	7.805420954
84.34536763					
XPNPEP3	XPNPEP3	769.8001814		743.8840818	1369.293847
1005.279091					
DKC1	DKC1	11968.88239		7528.635109	10042.23159
10012.57975					
KCNAB3	KCNAB3	32.29202385		52.82017149	70.24878858
50.99952461					
AIFM1	AIFM1	6567.78098		4686.029547	3815.735786
4488.938926					
ATG12	ATG12	2370.859557		2116.328204	3026.27321
2343.035852					
LOC100379224	LOC100379224			780.2169633	701.6279446
1359.258306	1021.952012				
CTBP1-AS2	CTBP1-AS2			496.880496	825.7553476
1117.290257	1458.390252				
HNRNPL	HNRNPL	3622.95674		10174.04536	4392.221877
4356.536314					
C14orf142	C14orf142			1565.642318	1805.569529
1254.442653	1439.75581				
NKIRAS1	NKIRAS1	422.9213446		279.0665727	912.1191915
414.8615175					
CLEC16A	CLEC16A	3183.368545		3446.516189	3084.256337
3116.855562					
PRUNE2	PRUNE2	37.50041479		97.71731725	28.99156354
32.36508293					
CLDN19	CLDN19	0	2.641008574	0	0
RAB3GAP1	RAB3GAP1			2123.981827	1946.423319
2662.763605	1974.270058				
TMEM129	TMEM129	1823.978508		1397.093536	1775.175737
2092.942029					
SIRPB1	SIRPB1	53.12558762		43.13647338	12.2656615

71.59548647						
PODXL2	PODXL2	106.2511752	143.4947992	227.4722678		
278.5358652						
FKBP5	FKBP5	10353.23952	12454.1161	13607.07884		
19503.39512						
PIP4K2C	PIP4K2C	3729.207916	2572.342351	3979.649626		
3400.295227						
CLEC18A	CLEC18A	0	2.230120273	0		
CSMD2	CSMD2	0	2.230120273	4.903800443		
SCARNA20	SCARNA20	0	0.880336191	0		0
SCARNA3	SCARNA3	1.041678189	6.16235334	3.345180409		
4.903800443						
LINC01184	LINC01184		347.920515	328.3653994		
341.2084017	348.1698315					
SNORA80A	SNORA80A		2.083356377	2.641008574		
2.230120273	6.865320621					
RREB1	RREB1	190.6271085	645.2864283	376.8903261		
268.7282643						
SAP130	SAP130	3070.8673	2883.101027	2417.450375		
2016.442742						
DNAH3	DNAH3	7.291747321	1.760672383	31.22168382		
12.74988115						
SLA2	SLA2	1580.225812	3088.21936	921.0396726		
1118.066501						
ELMOD3	ELMOD3	1185.429779	1015.027629	1233.256511		
1101.39358						
ANTXR1	ANTXR1	0	0.880336191	24.531323	0.980760089	
LAPTM4A	LAPTM4A	3822.958953	3229.07315	5208.445896		
4016.212563						
ERV3-1	ERV3-1	213.5440287	269.3828746	165.0289002		
246.1707823						
TVP23A	TVP23A	832.3008728	621.5173512	601.0174134		
592.3790936						
CD200R1L	CD200R1L		1.041678189	0	0	0
TPM4	TPM4	46708.84998	50617.57034	17600.10919		
29512.05183						
SLC27A2	SLC27A2	5277.141704	8569.192487	1643.598641		
4701.763865						
DHX40	DHX40	1427.099119	1566.118085	1584.500454		
1643.753909						
EXOC7	EXOC7	4725.052264	5647.356668	5369.014556		
5525.60234						
TOP1	TOP1	3365.662228	4649.055427	3946.197822		
3611.158646						
GLIS3	GLIS3	8.33342551	32.57243908	20.07108245		
16.67292151						
BBS12	BBS12	316.6701694	286.1092622	369.0849051		
314.8239885						
PARP15	PARP15	466.6718285	360.0575023	365.7397247		
464.880282						

TMEM44	TMEM44	145.8349464	247.3744698	76.9391494
137.3064124				
SNRPF	SNRPF	6128.192784	7449.404852	5416.962142
6017.943904				
MARS	MARS	27176.34226	19462.47252	29636.0683
23320.51339				
RPS14	RPS14	24216.93453	24453.09839	33265.58905
28238.04447				
DBNL	DBNL	19876.26152	12631.06367	10694.54177
12773.41939				
SUGT1	SUGT1	2990.65808	2582.906386	2708.481071
2420.515899				
KNOP1	KNOP1	1037.511476	910.2676219	900.9685901
918.9722031				
COA6	COA6	2535.444711	2542.410921	2290.33352
2013.500462				
C16orf86	C16orf86		58.33397857	69.54655912
39.02710477	114.7489304			
COG8	COG8	3372.953975	2817.956149	3157.850306
3390.487627				
PPP1R42	PPP1R42	0	1.115060136	0
WIPI2	WIPI2	3446.913126	4414.886	4675.447151
4928.319446				
GIGYF2	GIGYF2	3691.707501	4069.794213	3687.503871
3735.715178				
METTL21A	METTL21A		955.218899	1058.164102
1082.723392	1218.10403			
BSPRY	BSPRY	364.587366	695.4655912	110.3909535
597.282894				
PNCK	PNCK	0	0	0.980760089
OR10G2	OR10G2	0	5.282017149	0
HIST2H3A	HIST2H3A		1.041678189	0
0				1.115060136
CCDC73	CCDC73	2186.482518	1611.01523	2038.329929
1819.309964				
VCPKMT	VCPKMT	676.0491445	654.9701264	1072.687851
853.2612771				
MY07B	MY07B	17.70852921	32.57243908	7.805420954
13.73064124				
ZNF331	ZNF331	736.4664794	725.3970217	1941.319697
1232.815431				
EVPLL	EVPLL	1.041678189	0.880336191	5.575300681
2.942280266				
SSX2IP	SSX2IP	1102.095524	1362.760424	1229.91133
1126.893342				
PTCH2	PTCH2	21.87524196	77.46958485	16.72590204
35.30736319				
KCNJ11	KCNJ11	0	5.575300681	0.980760089
ATP6V1G2	ATP6V1G2		0	0
SDAD1	SDAD1	5004.222019	4442.176422	5236.3224

4694.898544				
RNASEH1	RNASEH1	4461.507682	3597.053678	3216.948493
3127.643923				
FCH01	FCH01	2219.81622	2816.195476	1873.301029
2516.630388				
FAM221B	FAM221B	0	0.880336191	0
0.980760089				
PAICS	PAICS	22039.82712	18265.2153	18773.15245
23594.14545				
FBP1	FBP1	0	2.641008574	120.4264947
73.55700665				
GALE	GALE	2819.822857	2264.224684	2348.316647
3382.641546				
ALDOA	ALDOA	104253.2365	75095.31814	80429.28763
109613.6706				
PLSCR2	PLSCR2	0	1.760672383	17.84096218
7.846080709				
GAS2	GAS2	37.50041479	62.50386959	22.30120273
6.865320621				
CERS1	CERS1	0	0.880336191	1.115060136
3.923040355				
LSMEM1	LSMEM1	9.375103698	3.521344766	76.9391494
16.67292151				
IQCH	IQCH	78.12586415	62.50386959	76.9391494
108.8643698				
TLE4	TLE4	1348.973254	975.4125001	1922.363675
1355.410443				
MON1B	MON1B	6206.318648	5888.568785	4992.12423
5385.353647				
CTAGE1	CTAGE1	1.041678189	0	0
0.980760089				
TFB1M	TFB1M	1296.889345	1292.333529	1137.361339
1693.772673				
SLC38A5	SLC38A5	4545.883615	3201.782728	3739.911697
3323.79594				
C19orf35	C19orf35		122.9180263	100.3583258
30.10662368	17.6536816			
PRR14L	PRR14L	2565.653379	3178.893987	2964.944902
2590.187394				
UNC5CL	UNC5CL	73.9591514	45.77748195	80.28432981
89.24916807				
RFX6	RFX6	0	1.760672383	0
1.961520177				
MIR4530	MIR4530	1.041678189	0.880336191	0
0.980760089				
MIR4526	MIR4526	0	0.880336191	0
0				
SC5D	SC5D	1009.386165	1022.070318	2085.162455
1395.621606				
TGFBR2	TGFBR2	5595.89523	6769.785312	11673.56457
13151.01203				
FUT6	FUT6	0	0.880336191	0
0				
VASN	VASN	19.79188559	44.01680957	65.78854804
25.49976231				
TMEM139	TMEM139	64.5840477	50.17916291	148.3029981
91.21068825				
TSPYL6	TSPYL6	0	0.880336191	0
0				
KDM5C	KDM5C	2593.77869	4539.893739	3734.336396

2549.976231					
LAMTOR5	LAMTOR5	8460.510249	8297.168604	7885.705284	
8013.790685					
KLF4	KLF4	2.083356377	1.760672383	2.230120273	0
ANP32B	ANP32B	8626.137081	9714.509873	7269.077028	
7137.971925					
LAT	LAT	17563.73594	12046.52044	8914.905789	
11407.22059					
IPCEF1	IPCEF1	1766.686208	1495.691189	5030.036275	
2945.222546					
DLG4	DLG4	626.0485914	557.2528092	363.5096044	
534.5142483					
COP57A	COP57A	3623.998418	2725.520849	3323.994266	
4034.847005					
CKAP2	CKAP2	7527.166592	5836.628949	3931.70204	
4962.646049					
TMCC1	TMCC1	194.7938213	280.8272451	229.7023881	
203.9980984					
MXD4	MXD4	1645.851538	1253.598737	1135.131219	
1216.14251					
CHD1L	CHD1L	4668.801642	4347.100113	2893.581054	
4068.192848					
RAB3D	RAB3D	105.2094971	294.0322879	202.9409448	
248.1323024					
BAG2	BAG2	4089.628569	3334.713493	1923.478735	
2445.034901					
BAG3	BAG3	1838.562003	2241.335943	1842.079345	
2117.461031					
PIGL	PIGL	577.0897165	425.2023805	508.4674221	
474.6878829					
CLCA2	CLCA2	3.125034566	0	0	0
ZNF518A	ZNF518A	984.3858883	1280.889159	1326.921562	
1018.028972					
BMS1	BMS1	8657.387426	6297.044777	8395.287766	
8381.575718					
PRCC	PRCC	4549.00865	3736.146796	3706.459893	
3743.561258					
LTV1	LTV1	5607.35369	3675.403599	5084.674221	
4770.417071					
SNORA14B	SNORA14B		2.083356377	0	4.460240545
	11.76912106				
MSH6	MSH6	10904.28728	11860.76951	8660.672078	
11913.2928					
PQLC2	PQLC2	636.4653733	481.5438967	373.5451456	
502.1491654					
IKZF3	IKZF3	6027.15	12226.10903	7473.133033	8386.479518
DTYMK	DTYMK	7799.044599	6047.909635	4924.105562	
5528.54462					
MED12	MED12	1363.556749	4443.056758	1868.840788	
2159.633715					

SERGEF	SERGEF	933.3436571	934.0366991	981.2529199
1283.814956				
YWHAZ	YWHAZ	119985.7022	97093.15889	76577.86992
78400.98073				
TPM1	TPM1	183.3353612	163.7425316	249.7734705
282.4589055				
TMEM230	TMEM230	7172.996007	6209.011158	7616.975791
6780.975253				
LGALS9C	LGALS9C	12.50013826	0.880336191	0 0
GSPT2	GSPT2	915.6351279	918.1906477	835.1800421
968.0102075				
ENOX1	ENOX1	50.00055306	38.73479242	122.656615
86.3068878				
TTC14	TTC14	1307.306127	1226.308315	1440.657696
1265.180514				
MRPS21	MRPS21	3707.332674	4305.724312	3632.865924
3844.579548				
LARP4	LARP4	8645.928966	6399.163776	8427.62451
6144.461956				
PLAC8	PLAC8	242.711018	903.2249324	3838.036989
5337.296403				
NOX5	NOX5	7.291747321	27.29042193	16.72590204
26.48052239				
E2F5	E2F5	345.8371586	426.9630528	491.7415201
515.8798066				
FANCA	FANCA	4665.676607	5848.07332	2901.386475
4490.900446				
PODXL	PODXL	70.83411683	211.2806859	95.89517172
139.2679326				
CDC42SE2	CDC42SE2		30550.33792	12878.43814
43501.8411	11546.48852			
C7orf57	C7orf57	16.66685102	0 16.72590204	14.71140133
GLP1R	GLP1R	0 0	1.115060136	10.78836098
RAPGEF5	RAPGEF5	7.291747321	21.12806859	15.61084191
32.36508293				
MCM3	MCM3	27990.93461	24266.46712	20131.2957
26039.18035				
ADAMTSL3	ADAMTSL3		1.041678189	0 1.115060136
5.884560532				
CCSER1	CCSER1	0 0	20.07108245	8.826840798
ATP6V0A1	ATP6V0A1		1620.851262	914.6693029
966.7571381	1168.085266			
EXOC4	EXOC4	2207.316082	2483.428396	2276.952798
2935.414945				
IRAK4	IRAK4	1986.480306	1909.449199	1721.65285
2052.730866				
ELK4	ELK4	798.9671707	1362.760424	1518.711906
1297.545597				
TRPV2	TRPV2	7813.628093	5635.912298	2924.802737
3609.197126				

PKD2L1	PKD2L1	3.125034566	2.641008574	0	0
C1orf194	C1orf194	30.10662368	3.125034566	14.96571525	
RBM12B	RBM12B	1750.656758	1668.237083	1875.531149	
C12orf42	C12orf42	7.805420954	5.208390943	5.282017149	
AUP1	AUP1	7711.716577	7683.574279	8232.488986	
SLC46A3	SLC46A3	790.6337452	808.1486237	1202.034827	
EML2	EML2	4116.250092	3110.227764	2573.558795	
ZSCAN9	ZSCAN9	105.9220896	106.5206792	130.4620359	
DAGLA	DAGLA	1.041678189	23.76907717	33.45180409	
RPGRIP1	RPGRIP1	22.55748204	7.923025723	3.345180409	
BTBD10	BTBD10	2326.36293	2623.40185	2872.394911	
WHSC1	WHSC1	5998.328702	12523.66266	4113.456843	
ZNF7	ZNF7	1715.349395	1119.787636	1892.257051	
7-Mar	7-Mar	8832.725359	8922.2073	10424.69721	
TBL1XR1	TBL1XR1	6407.305659	7615.788392	5363.439255	
PCDHB9	PCDHB9	0	11.15060136	0.980760089	
NOX1	NOX1	46.09572417	32.57243908	43.48734531	
PRC1	PRC1	4405.574318	6485.436722	3259.320778	
CHMP2B	CHMP2B	2199.844879	2151.541652	2405.184714	
CPNE2	CPNE2	495.2838448	597.748274	403.6517693	
ETNK2	ETNK2	214.7864594	35.21344766	228.5873279	
SAGE1	SAGE1	0	1.760672383	0	
DDX43	DDX43	46.09572417	100.3583258	41.25722504	
DDX49	DDX49	2647.071479	2506.317137	2745.278055	
LPO	LPO	0.980760089	2.641008574	7.805420954	
TNFAIP3	TNFAIP3	19693.66258	12278.04886	17444.00077	
TST	TST	441.671552	555.4921368	130.4620359	

321.6893091					
PTP4A3	PTP4A3	1451.057717	533.483732	1925.708855	
1742.810678					
GLCE	GLCE	310.4201002	365.3395194	447.1391146	
381.5156745					
RNF113A	RNF113A	1943.7715	1662.955066	1930.169096	
1885.02089					
SUSD5	SUSD5	3.125034566	4.401680957	0	0
PLEKHG3	PLEKHG3	760.4250777	927.8743458	241.9680496	
315.8047486					
DMC1	DMC1	694.7993519	853.0457695	308.8716577	
602.1866944					
KAT7	KAT7	5552.144746	4963.335447	5836.224753	
5672.716353					
CDC37	CDC37	6283.402834	7985.529593	4790.298345	
5681.543194					
INTS5	INTS5	4240.671906	4025.777403	3687.503871	
4116.250092					
DAB1	DAB1	8.33342551	36.97412004	1.115060136	
7.846080709					
CHST11	CHST11	5521.936078	3772.24058	2222.314852	
2151.787635					
PAX6	PAX6	31.25034566	29.05109432	35.68192436	
17.6536816					
BPGM	BPGM	3736.499663	1812.612218	2910.306956	
1762.425879					
RNF138	RNF138	5026.09726	4471.227516	7115.19873	
5561.890463					
CACNB3	CACNB3	28.12531109	136.4521097	75.82408927	
89.24916807					
CD22	CD22	1.041678189	5.282017149	2.230120273	
11.76912106					
RAB22A	RAB22A	5134.431792	4275.792882	5079.098921	
4745.898069					
DNAJC10	DNAJC10	4989.638524	4359.42482	5028.921215	
5109.760062					
LRRC2-AS1	LRRC2-AS1		0	0.880336191	0
MAGEA8-AS1	MAGEA8-AS1		1.041678189	0	0
1.961520177					
LOC284581	LOC284581		52.08390943	193.6739621	
112.6210738	283.4396656				
MIR137HG	MIR137HG		1.041678189	0	0
LINC01146	LINC01146		10.41678189	18.48706002	0
13.38072164	12.74988115				
LOC654841	LOC654841		18.7502074	7.042689532	
20.07108245	28.44204257				
TRAF3IP2-AS1	TRAF3IP2-AS1		196.8771777	315.1603565	
405.8818896	414.8615175				
RNF185	RNF185	3407.329355	2624.282187	4150.253827	
3697.465534					

MKKS	MKKS	2095.856516	2155.943333	2240.155814	
2356.766493					
ATG14	ATG14	293.7532492	323.0833823	844.1005232	
727.7239858					
ZNF767P	ZNF767P	173.9602575	153.1784973	384.695747	
560.9947707					
MUC20	MUC20	25.00027653	27.29042193	12.2656615	
22.55748204					
TMEM14B	TMEM14B	7478.207717	6492.479412	6139.52111	
5698.216115					
FTL	FTL	131481.6627	84680.41859	151524.4069	
70081.1929					
LOC101927051	LOC101927051		554.1727964	1512.417577	
352.3590031	563.937051				
KCNJ1	KCNJ1	7.291747321	7.923025723	0	0
CLEC4A	CLEC4A	10.41678189	23.76907717	12.2656615	
14.71140133					
RNF212	RNF212	12.50013826	40.49546481	33.45180409	
68.65320621					
SEMA6D	SEMA6D	0	0.880336191	0	0
SF3A2	SF3A2	1309.389483	2005.405844	1500.870943	
1274.007355					
SLC16A5	SLC16A5	59.37565676	121.4863944	140.4975772	
233.4209011					
PRKRIR	PRKRIR	2473.985698	2657.734962	3029.61839	
2422.477419					
RABEP1	RABEP1	5017.763835	5832.227268	6346.922296	
6389.651978					
LINC01372	LINC01372		0	1.760672383	12.2656615
0					
CAPS	CAPS	78.12586415	85.39261057	78.05420954	
73.55700665					
ARHGAP29	ARHGAP29		3.125034566	0	0
TIMM8B	TIMM8B	3446.913126	3727.343435	2983.900925	0
2809.877654					
TIMM9	TIMM9	1592.725951	1615.416911	1917.903434	
1574.119942					
TIMM13	TIMM13	4780.261208	3772.24058	3623.945443	
3620.966247					
TIMM10	TIMM10	6130.27614	3897.248319	4160.289368	
3716.099976					
SETD1B	SETD1B	332.2953422	447.2107853	551.9547675	
306.9779078					
LY6K	LY6K	0	0	0.980760089	
PDE7A	PDE7A	3882.334609	5218.632943	2774.269619	
3091.355799					
PCOLCE	PCOLCE	61.45901313	35.21344766	51.29276627	
55.90332505					
PCSK2	PCSK2	0	3.345180409	0	
PTPRU	PTPRU	3.125034566	19.36739621	7.805420954	

22.55748204					
TMEM208	TMEM208	4439.63244	3268.688279	3141.124404	
3071.740598					
SLC38A6	SLC38A6	281.2531109	285.228926	238.6228692	
343.266031					
DBX1	DBX1	0	4.460240545	5.884560532	
HNRNPH2	HNRNPH2	8717.804761	8093.810944	10555.15925	
9424.123692					
SUOX	SUOX	1000.011061	455.133811	312.2168382	
445.2650803					
ZNF562	ZNF562	572.9230038	666.4144969	1002.439063	
864.0496381					
VN1R1	VN1R1	14.58349464	7.042689532	20.07108245	
1.961520177					
ATP6V0A4	ATP6V0A4		10.41678189	133.8111011	
2.230120273		139.2679326			
FGF23	FGF23	5.208390943	11.44437049	10.03554123	
18.63444168					
ALPK1	ALPK1	142.7099119	265.8615298	1876.646209	
1323.04536					
RTN1	RTN1	5.208390943	4.401680957	0	2.942280266
HECTD1	HECTD1	3294.828111	4163.109849	3931.70204	
3748.465059					
UMPS	UMPS	6937.576737	5379.734466	5563.03502	
6203.307561					
SF1	SF1	8898.015088	13895.22645	10215.06591	
9327.028443					
HEIH	HEIH	959.3856118	1005.343931	1765.140196	
1157.296905					
KIF19	KIF19	11.45846008	19.36739621	2.230120273	
7.846080709					
EBAG9	EBAG9	1262.513965	1244.795375	1797.47694	
1513.312817					
DYNLRB1	DYNLRB1	5076.097814	5292.581183	4323.088148	
4109.384772					
CYP3A43	CYP3A43	0	12.2656615	0	
DYDC2	DYDC2	0	0	9.807600887	
CAPG	CAPG	5700.063049	2266.865693	1752.874534	
1150.431584					
IGSF9B	IGSF9B	83.3342551	177.8279107	176.1795015	
183.4021366					
YPEL3	YPEL3	1532.308616	2069.670386	2273.607618	
2197.883359					
SFXN4	SFXN4	2504.194366	1833.740287	1941.319697	
2138.056993					
ABCG2	ABCG2	621.8818787	1385.649165	162.7987799	
513.9182865					
CRLF1	CRLF1	0	1.760672383	6.690360818	5.884560532
IRS1	IRS1	1.041678189	110.0420239	68.01866831	
23.53824213					

GUCY1A3	GUCY1A3	9.375103698	8.803361914	0	5.884560532
GXYLT1	GXYLT1	1105.220558	1141.79604	1190.884226	
875.8187592					
MARVELD3	MARVELD3	10.78836098	10.41678189	3.521344766	0
ALAD	ALAD	1563.558961	1620.698928	1358.143246	
1699.657234					
LOC200726	LOC200726	0	0	1.115060136	0
KCNK6	KCNK6	914.5934497	998.3012411	922.1547327	
1141.604743					
PLD1	PLD1	194.7938213	420.8006995	46.83252572	
138.2871725					
NLRP3	NLRP3	5.208390943	0.880336191	117.0813143	
166.7292151					
KCNS3	KCNS3	3.125034566	1.760672383	7.805420954	0
SH3BP2	SH3BP2	1683.351953	2569.701343	1234.371571	
1775.17576					
RGS1	RGS1	15692.88191	8039.2301	22106.0672	
8298.21111					
SNAP25	SNAP25	7.291747321	20.2477324	56.86806695	
61.78788559					
RFX3	RFX3	314.586813	442.8091043	645.6198189	
441.3420399					
SLC16A1	SLC16A1	10880.32868	7739.915795	7110.738489	
6309.22965					
MPP1	MPP1	1739.602575	2214.045521	1454.038418	
1771.25272					
C12orf56	C12orf56	6.865320621	4.166712755	0.880336191	0
EIF4EBP3	EIF4EBP3	449.3692349	141.6682337	187.5116088	
371.7080736					
SSNA1	SSNA1	4460.466004	4138.460436	3363.021371	
3473.852234					
EVC2	EVC2	39.58377117	242.9727888	55.75300681	
133.3833721					
AANAT	AANAT	4.166712755	0	1.961520177	
NIPAL4	NIPAL4	83.3342551	29.05109432	65.78854804	
180.4598563					
SYNJ2	SYNJ2	2189.607553	4656.978453	1933.514276	
2395.016137					
CCDC23	CCDC23	594.7982457	658.4914712	557.5300681	
463.8995219					
LRR37A3	LRR37A3	45.71746559	16.66685102	25.52974955	
36.28812328					
SLC43A3	SLC43A3	18518.95484	12607.2946	15214.99556	
18715.84477					
XCL2	XCL2	89.58432423	15.84605145	728.134269	
224.5940603					
SUPV3L1	SUPV3L1	4447.965866	2999.305404	3551.466534	
3728.849857					

WDR65	WDR65	39.58377117	16.72638764	78.05420954
51.9802847				
MDM4	MDM4	1018.761269	1119.787636	2031.639568
1333.833721				
SPHK2	SPHK2	1219.805159	1434.067656	1191.999286
1149.450824				
FOXO3	FOXO3	542.7143363	612.7139892	1383.789629
928.779804				
FOXJ1	FOXJ1	3.125034566	2.641008574	14.49578177
3.923040355				
FOXC1	FOXC1	1.041678189	0	0
IKBKB	IKBKB	2731.280211	4382.313561	2299.254001
3169.816607				
GPC4	GPC4	0	21.12806859	1.115060136
FABP5	FABP5	8549.052895	9128.205969	7502.124597
10652.03532				
NFKB2	NFKB2	10039.69438	9010.240919	12227.74945
12103.56025				
NFIX	NFIX	3.125034566	10.5640343	27.87650341
11.76912106				
NDUFB3	NDUFB3	8866.764742	9524.357255	6242.106643
6834.917058				
ATP2C1	ATP2C1	3055.242127	4499.398274	2554.602772
2212.59476				
SLC1A4	SLC1A4	16069.96942	12622.26031	4364.345373
4021.116364				
UBR2	UBR2	3308.369927	4491.475249	4795.873646
4790.032273				
CHRNA10	CHRNA10	16.66685102	15.84605145	13.38072164
15.69216142				
EBI3	EBI3	1029.17805	530.8427234	1173.043263
989.5869295				
KLRG1	KLRG1	214.5857069	143.4947992	312.2168382
459.9764816				
MPZL2	MPZL2	164.5851538	103.8796706	744.860171
635.5325375				
IER3	IER3	0	136.4521097	0
NAGLU	NAGLU	551.0477618	725.3970217	731.4794494
868.9534386				
NAGA	NAGA	5358.392603	5783.808778	2646.037703
3907.348193				
AGAP2-AS1	AGAP2-AS1		122.9180263	200.7166516
84.74457036		138.2871725		
TCAIM	TCAIM	1368.76514	1094.257886	1101.679415
1112.181941				
GLRA4	GLRA4	4.166712755	0.880336191	14.49578177
2.942280266				
TRIM71	TRIM71	0	10.5640343	0
MOSPD3	MOSPD3	904.1766678	540.5264215	496.2017606
529.6104479				

KALRN	KALRN	1.041678189	8.803361914	59.09818722	
66.69168603					
CCDC180	CCDC180	45.8338403	34.33311147	79.16926967	
56.88408514					
UBE2J1	UBE2J1	7628.209376	9577.177427	4615.233904	
6026.770745					
BABAM1	BABAM1	7899.045705	6319.053182	4763.536902	
5658.985712					
NACC1	NACC1	101.0427843	540.5264215	127.1168555	
167.7099752					
TMTC3	TMTC3	437.5048393	465.6978453	550.8397073	
415.8422776					
FAM104A	FAM104A	10321.98917	7378.09762	6142.866291	
5741.369559					
ZNF841	ZNF841	416.6712755	352.1344766	444.9089944	
493.3223246					
BTF3L4	BTF3L4	3717.749455	3390.174673	3817.965907	
3621.947007					
HOMER3	HOMER3	3.125034566	10.5640343	8.92048109	
6.865320621					
C16orf45	C16orf45		697.9243864	562.5348263	
489.5113998	640.4363379				
LOXL1-AS1	LOXL1-AS1		100.0011061	241.2121165	
129.3469758	529.6104479				
UAP1	UAP1	2876.073479	2569.701343	3859.223132	
3526.813279					
POC1B	POC1B	3989.627463	2943.844224	2565.753374	
2608.821836					
CDC5L	CDC5L	6471.946586	5166.693108	4991.00917	
5161.740347					
RASGRF1	RASGRF1	1.041678189	2.641008574	1.115060136	
7.846080709					
TSPAN6	TSPAN6	0	142.7276974	30.40356275	
ALS2CR12	ALS2CR12		18.7502074	26.41008574	
50.17770613	70.61472638				
SZT2	SZT2	314.586813	1204.29991	922.1547327	
675.7437011					
PLA2G2C	PLA2G2C	4.166712755	2.641008574	3.345180409	
10.78836098					
C7orf73	C7orf73	3769.833365	4141.981781	3097.637059	
3514.063398					
ZNF135	ZNF135	0	14.96571525	46.83252572	122.5950111
LRRC75A-AS1	LRRC75A-AS1		7631.33441	4094.443626	
8633.910635	6071.885709				
LY86-AS1	LY86-AS1		0	0	18.95602232
5.884560532					
EFCAB10	EFCAB10	640.632086	463.0568367	597.672233	
454.0919211					
LINC00114	LINC00114		0	0	5.575300681
SOD1	SOD1	23452.34274	16230.75836	24661.78503	0

16080.54241				
CSF3R CSF3R	1.041678189	0	0	0
LOC253573	LOC253573	13.54181645		1.760672383
16.72590204	29.42280266			
LINC00630	LINC00630	188.5437522		187.5116088
175.0644414	140.2486927			
PNPLA8 PNPLA8	2592.737012	2632.205212		3360.791251
2536.245589				
RDX RDX	3974.00229	3606.737376		2366.157609
2563.706872				
SYT14 SYT14	0	0	1.115060136	0
ZNF484 ZNF484	516.6723816	558.1331454		1134.016159
757.1467885				
ITCH ITCH	2414.610041	2787.144382		1600.111296
2085.095949				
ZFR ZFR	9119.892542	7495.182334		9998.744242
8822.917758				
LDHA LDHA	198671.9892	182424.1459		146572.4248
221252.6107				
HCN3 HCN3	47.91719668	87.15328295		42.37228518
61.78788559				
MPC1 MPC1	1582.309169	1301.136891		1873.301029
1306.372438				
CRIP2 CRIP2	165.626832	26.41008574		72.47890886
84.34536763				
TSSK4 TSSK4	35.41705842	67.78588674		127.1168555
88.26840798				
WNT9A WNT9A	0	3.521344766	0	0
MAD2L2 MAD2L2	4215.67163	4191.280607		3200.222591
3551.332281				
PANK2 PANK2	3915.668311	3217.62878		3635.096044
3360.084064				
MLX MLX	6772.991583	4428.971379		5335.562752
4914.588804				
WDR20 WDR20	2301.067119	1711.373556		2385.113631
2205.729439				
KIAA1804	KIAA1804	97.91774974		249.1351422
306.6415375	175.5560559			
MAPT MAPT	1.041678189	3.521344766		15.61084191
14.71140133				
SBN01 SBN01	7035.494486	6987.228351		7366.08726
6880.032022				
ZNF546 ZNF546	301.0449965	328.3653994		497.3168208
537.4565286				
TAP1 TAP1	673.9657881	21.12806859		586.5216317
56.88408514				
MDK MDK	53.12558762	106.5206792		277.6499739
198.1135379				
ADAM11 ADAM11	4.166712755	0	30.10662368	7.846080709
NME3 NME3	959.3856118	1308.17958		723.6740284

1019.990492					
GPNMB GPNMB	115.6262789	89.79429153	50.17770613		
59.82636541					
NKX2-2 NKX2-2	33.33370204	29.05109432	25.64638313		
26.48052239					
POLR2E POLR2E	13704.31825	11898.62396	9447.904535		
11171.83817					
UTS2 UTS2	14.58349464	10.5640343	10.03554123		
22.55748204					
MALT1 MALT1	4103.170385	5424.631612	6019.094616		
5205.874551					
GPR148 GPR148	1.041678189	0 0	0		
ZC3H12D ZC3H12D	4482.341246	6288.241415	2906.961775		
5166.644147					
SNORA18 SNORA18	23.95859834	49.29882672	23.41626286		
27.46128248					
SNORD100 SNORD100		13.54181645	10.5640343		
39.02710477	38.24964346				
SNORD101 SNORD101		6.250069132	11.44437049		
15.61084191	7.846080709				
SNORD12C SNORD12C		95.83439336	116.2043773		
169.4891407	126.5180514				
AXDND1 AXDND1	3.125034566	0.880336191	4.460240545	0	
SNORA9 SNORA9	111.4595662	70.42689532	139.382517		
141.2294528					
NEK6 NEK6	585.423142	245.6137974	1123.980617		
423.6883583					
ST20-MTHFS ST20-MTHFS		1369.806818	1237.752685		
1587.845634	1880.11709				
MTHFS MTHFS	1182.304744	1081.933179	1487.490222		
1695.734193					
PPP2R5A PPP2R5A	3003.158218	4259.94683	3263.781019		
3167.855086					
SLC26A5 SLC26A5	2.083356377	1.760672383	2.230120273	0	
MIR6511B1 MIR6511B1		10.41678189	17.60672383		
15.61084191	9.807600887				
MIR6717 MIR6717	9.375103698	7.042689532	55.75300681		
35.30736319					
MIR6716 MIR6716	1.041678189	0 1.115060136	0		
MIR6514 MIR6514	4.166712755	9.683698106	11.15060136		
2.942280266					
MIR6515 MIR6515	32.29202385	48.41849053	34.56686422		
24.51900222					
MIR6513 MIR6513	153.1266937	142.614463	142.7276974		
122.5950111					
MIR6512 MIR6512	0 0.880336191	0	2.942280266		
GALNT2 GALNT2	3335.45356	7207.312399	2582.479276		
4589.957215					
HMBS HMBS	4061.503258	3188.577685	2408.529894		
3309.084539					

BMP5	BMP5	1.041678189	0	0	0
NDUFA12	NDUFA12	10014.69411	9887.055766		6676.980096
7123.260524					
SULF2	SULF2	98.95942793	49.29882672		84.74457036
108.8643698					
AMICA1	AMICA1	7115.703707	4820.720984		10123.63098
8358.037476					
MIR7845	MIR7845	0	1.760672383	3.345180409	0.980760089
MIR7844	MIR7844	0	9.683698106	0	8.826840798
MIR6516	MIR6516	58.33397857	30.8117667		63.55842777
53.94180488					
MIR1273H	MIR1273H		21.87524196		10.5640343
32.33674395	33.34584301				
MIR7843	MIR7843	1.041678189	0	0	0
ATP11A-AS1	ATP11A-AS1		10.41678189		4.401680957
26.76144327	5.884560532				
DLG3-AS1	DLG3-AS1		27.08363291		25.52974955
3.345180409	11.76912106				
MIR7162	MIR7162	0	0	3.923040355	
ATPAF1	ATPAF1	6951.118553	4938.686034		5787.162107
5555.025142					
ATP11C	ATP11C	466.6718285	894.4215705		656.7704203
864.0496381					
MYBPHL	MYBPHL	6.250069132	0.880336191	0	0.980760089
USP6NL	USP6NL	187.502074	173.4262297		650.0800594
280.4973854					
ATXN2L	ATXN2L	1766.686208	6006.533834		2769.809378
2253.786684					
CASP8AP2	CASP8AP2		1885.437522		2545.051929
2831.137686	2656.87908				
ANAPC7	ANAPC7	4750.05254	3947.427482		3337.374988
3967.174559					
EPHA1	EPHA1	7.291747321	14.96571525		325.5975598
218.7094998					
TENM1	TENM1	57.29230038	73.06790389		110.3909535
60.8071255					
PRPF40A	PRPF40A	14003.27989	11454.05419		12032.61393
12488.99897					
MVK	MVK	103.1261407	331.006408		92.54999131
140.2486927					
C1orf159	C1orf159		1111.470627		1048.480404
1014.704724	978.7985685				
NCS1	NCS1	140.6265555	191.0329535		104.8156528
302.0741073					
CELSR1	CELSR1	6.250069132	28.17075813	0	15.69216142
EIF2B2	EIF2B2	3854.209298	3523.985774		2724.091913
3013.875752					
TMEM176B	TMEM176B		0	0	11.15060136
TEX101	TEX101	0	5.575300681		1.961520177
SMARCC2	SMARCC2	6068.817127	9369.418085		6314.585552

7390.027268				
CASP9	CASP9	1258.347252	1897.124493	500.6620012
832.6653153				
PXYLP1	PXYLP1	464.5884722	717.473996	966.7571381
685.551302				
NPRL3	NPRL3	1140.637617	1556.434386	827.3746211
1072.951537				
COMMD5	COMMD5	2217.732864	1851.347011	1923.478735
2097.84583				
NR2C1	NR2C1	1191.679848	1134.753351	992.4035213
1138.662463				
CAPN14	CAPN14	15.62517283	88.91395534	13.38072164
56.88408514				
GAS6	GAS6	52.08390943	76.58924866	30.10662368
105.9220896				
RASGRP4	RASGRP4	691.6743173	191.0329535	179.5246819
175.5560559				
CACNA1D	CACNA1D	104.1678189	25.52974955	8.92048109
8.826840798				
SPG11	SPG11	2164.607276	3744.950158	3050.804533
3608.216366				
TMEM189	TMEM189	3265.661122	3162.1676	2032.754628
2172.383596				
TPBG	TPBG	1.041678189	8.803361914	39.02710477
30.40356275				
YIPF4	YIPF4	3488.580254	3224.671469	3349.640649
3092.33656				
CHCHD5	CHCHD5	906.2600242	1187.573522	732.5945095
735.5700665				
KLHL4	KLHL4	19.79188559	4.401680957	0 5.884560532
TUBB4A	TUBB4A	116.6679571	139.0931182	162.7987799
141.2294528				
KDM4A	KDM4A	2203.149369	2015.089542	1626.872739
1554.504741				
PICK1	PICK1	487.5053923	412.8776738	526.3083843
738.5123468				
CDK14	CDK14	62.50069132	80.99092961	28.99156354
64.73016585				
GIPC2	GIPC2	2.083356377	19.36739621	34.56686422
53.94180488				
CYR61	CYR61	4.166712755	1.760672383	0 0
MRPS28	MRPS28	2988.574723	2608.436135	2518.920848
2373.439415				
POLR3D	POLR3D	1557.308892	1263.282435	1777.405857
1693.772673				
IGFBP4	IGFBP4	2030.23079	2449.095285	1087.183633
2305.766968				
LETMD1	LETMD1	967.7190373	934.9170353	1059.307129
1281.853436				
PSPC1	PSPC1	3802.125389	3081.17667	2835.597927

2523.495708				
THEM6	THEM6	1016.677912	1632.143299	1034.775806
1264.199754				
ZNF771	ZNF771	228.1275233	193.6739621	230.8174482
237.3439415				
PRSS50	PRSS50	0	0	3.345180409
13.73064124				
TMEM245	TMEM245	4485.466281	3993.204964	6416.056024
3760.23418				
GORASP1	GORASP1	3111.49275	2751.930934	2250.191355
2569.591432				
C9orf24	C9orf24	7.291747321	29.93143051	22.30120273
15.69216142				
HBP1	HBP1	3252.119305	2628.683868	10022.1605
6319.037251				
STRIP2	STRIP2	3779.208469	3435.952155	1393.82517
2727.493807				
TFDP2	TFDP2	1371.890175	1858.3897	880.8975076
1166.123745				
ERGIC3	ERGIC3	5317.767153	4478.270206	3933.932161
4002.481922				
RDH5	RDH5	170.8352229	223.6053926	173.9493813
127.4988115				
COR01C	COR01C	5644.854105	7867.564543	2751.968416
5914.964095				
AMACR	AMACR	683.3408918	521.1590253	867.516786
776.7619902				
ALG6	ALG6	3096.909255	2457.898646	2003.763065
1976.231579				
DPP7	DPP7	5019.847191	4923.720319	4193.741172
5623.678348				
ZFP69B	ZFP69B	148.959981	98.59765344	327.8276801
132.402612				
SIGIRR	SIGIRR	1256.263896	1736.903306	906.5438908
1871.290249				
FMR1-AS1	FMR1-AS1		65.62572589	65.14487817
100.3554123	70.61472638			
ADAM6	ADAM6	0	0	6.690360818
0				
NUDT8	NUDT8	197.9188559	285.228926	233.0475685
355.0351521				
B3GNT6	B3GNT6	0	0	1.115060136
0				
WARS	WARS	70230.98516	35158.86681	83649.5813
47472.71133				
C15orf62	C15orf62		13.54181645	17.60672383
23.41626286	10.78836098			
HAUS2	HAUS2	2211.482795	2395.394777	2094.082936
1893.847731				
C10orf131	C10orf131		8.33342551	13.20504287
7.805420954	9.807600887			
TNP01	TNP01	5903.190295	6764.503295	6216.46026
6473.016585				

S1PR4	S1PR4	13517.85785	10334.26655	4789.183285
5080.337259				
ERICH3-AS1	ERICH3-AS1	1.041678189	0	0 0
SPIB	SPIB	3.125034566	14.08537906	0 11.76912106
SEMA3C	SEMA3C	0	5.282017149	0 2.942280266
SELPLG	SELPLG	35091.01314	29903.25975	14797.96307
14841.84242				
SLC22A5	SLC22A5	259.377869	296.6732965	390.2710477
374.6503539				
RECQL	RECQL	13878.27851	12599.37157	9334.168401
11390.54767				
HLA-DMB	HLA-DMB	0	49.29882672	0 17.6536816
S100A3	S100A3	1.041678189	14.08537906	0 5.884560532
ALG13	ALG13	1989.60534	1527.383292	1941.319697
1640.811628				
C9orf153	C9orf153	1.041678189	4.401680957	
20.07108245	12.74988115			
DYRK1A	DYRK1A	203.1272468	317.8013651	347.8987625
195.1712576				
RHBDF2	RHBDF2	1356.265002	1064.326455	1632.448039
1916.405213				
PCBD2	PCBD2	1159.387824	1008.865275	878.6673874
841.4921561				
ARL6	ARL6	301.0449965	183.990264	359.0493639
266.7667441				
ZRANB3	ZRANB3	339.5870895	385.5872518	218.5517867
377.5926341				
RBL1	RBL1	4680.260102	5724.826253	3713.150254
4657.629661				
EIF5AL1	EIF5AL1	80.20922053	46.65781815	47.94758586
28.44204257				
GAB3	GAB3	533.3392326	809.0289599	356.8192436
392.3040355				
NOXRED1	NOXRED1	5.208390943	18.48706002	35.68192436
13.73064124				
HIGD1A	HIGD1A	13879.32019	11901.26497	8670.70762
9623.21799				
MAP3K19	MAP3K19	2.083356377	5.282017149	0 0
KCNIP4	KCNIP4	9.375103698	14.96571525	32.33674395
15.69216142				
SNORA28	SNORA28	20.83356377	19.36739621	28.99156354
34.3266031				
SNORD102	SNORD102	32.29202385	33.45277527	
40.14216491	43.1534439			
SNORD58B	SNORD58B	259.377869	214.8020307	
296.6059962	232.440141			
NIPAL2	NIPAL2	43.75048393	95.07630868	60.21324736
88.26840798				
HRASLS5	HRASLS5	6.250069132	6.16235334	12.2656615
21.57672195				

ALDH3A1	ALDH3A1	0	1.760672383	0	3.923040355
TPTE2	TPTE2	7.291747321	5.282017149		1.115060136
		2.942280266			
UPK3BL	UPK3BL	628.1319478	701.6279446		656.7704203
		690.4551024			
SRP54	SRP54	9961.568519	7432.678464		8653.981718
		7576.371685			
EIF2S3	EIF2S3	7838.62837	6345.463268		7475.363154
		6021.866944			
ZNF345	ZNF345	250.0027653	251.7761508		618.8583756
		433.4959592			
MIB2	MIB2	440.6298738	456.0141472		636.6993378
		643.3786182			
ADCK4	ADCK4	792.7171016	1022.950654		719.2137879
		773.81971			
DDX3Y	DDX3Y	2.083356377	7056.774911	0	8024.579045
ADAD2	ADAD2	7.291747321	0	15.61084191	3.923040355
PLIN3	PLIN3	3960.460473	4556.620127		1979.231742
		4008.366482			
XIAP	XIAP	564.5895783	839.8407266		936.6505145
		632.5902572			
SPG20	SPG20	2425.026823	3001.066077		5231.862159
		3675.888812			
SEMA7A	SEMA7A	131.2514518	482.4242329		265.3843124
		604.1482146			
NFE2L2	NFE2L2	7680.293285	6351.625621		12619.13556
		8854.30208			
LSM2	LSM2	0	0	0.980760089	
ZNF696	ZNF696	237.502627	320.4423737		458.289716
		451.1496408			
SNAPC5	SNAPC5	2100.023228	1899.765501		2247.961235
		2036.057944			
SUCLG1	SUCLG1	6433.404493	6351.625621		4663.18149
		4313.38287			
MAMLD1	MAMLD1	912.5100933	1859.270036		696.9125852
		625.7249366			
POFUT2	POFUT2	271.8780073	463.0568367		486.1662194
		350.1313517			
TM2D3	TM2D3	2762.530556	2382.189734		3001.741887
		2417.573619			
TSEN34	TSEN34	1294.805989	1147.958394		1730.573331
		1664.34987			
PVRIG	PVRIG	4018.794452	3679.80528		3225.868974
		3922.059595			
SPATA5L1	SPATA5L1		1101.053845		874.1738381
		985.7131605	1043.528734		
SMAD4	SMAD4	4326.089518	4480.911214		6689.245757
		5698.216115			
GSC2	GSC2	0	1.115060136	0	
SOX15	SOX15	63.54236951	65.14487817		56.86806695

40.21116364					
ATE1	ATE1	3047.95038	2821.477494	2377.308211	
2602.937275					
MRPL28	MRPL28	6880.284436	4778.464847	3742.141817	
4559.553652					
SIVA1	SIVA1	8201.13238	6922.083473	6547.63312	
6271.960767					
OR1A2	OR1A2	0	0.880336191	1.115060136	0
FBX09	FBX09	4592.759134	3656.916539	3187.95693	
4488.938926					
SDF2	SDF2	3866.709436	2559.137309	2953.794301	
2683.359603					
SCN3A	SCN3A	0	21.12806859	0	12.74988115
SIRT5	SIRT5	743.7582267	707.7902979	854.1360644	
973.894768					
LOC101927131	LOC101927131	0	0.880336191	0	0
LGALS9	LGALS9	1380.2236	2200.840479	1018.049904	
560.9947707					
TR0	TR0	40.62544936	68.66622293	146.0728779	
148.0947734					
CLIP2	CLIP2	8.33342551	97.71731725	110.3909535	
64.73016585					
MYBPC2	MYBPC2	3.125034566	0	12.2656615	11.76912106
SSH1	SSH1	1286.472563	2649.811936	1380.444449	
1278.911156					
RAB1B	RAB1B	867.7179312	2866.374639	476.1306782	
600.2251743					
ACRV1	ACRV1	12.50013826	30.8117667	10.03554123	
8.826840798					
MSH3	MSH3	2190.649231	2581.145713	1274.513736	
1782.041081					
STX18	STX18	2017.730652	1629.50229	1630.217919	
1550.5817					
CCDC132	CCDC132	1745.852644	1348.675045	1747.299234	
1580.985263					
ACADVL	ACADVL	20356.47516	15553.77983	11995.81695	
15896.15952					
RPL3L	RPL3L	0	1.760672383	0	1.961520177
PLCL1	PLCL1	331.253664	234.1694269	1089.413753	
834.6268355					
CLTA	CLTA	8703.221267	6914.160448	6213.115079	
5549.140582					
SMTN	SMTN	908.3433805	1147.078057	656.7704203	
863.068878					
CNRIP1	CNRIP1	0	0	2.942280266	
MTMR9	MTMR9	1133.345869	939.3187163	1255.557713	
1190.642748					
CNOT6	CNOT6	2353.151028	3094.381713	2139.800401	
2388.150816					
PHF12	PHF12	434.3798047	1235.992013	945.5709956	

611.0135352					
PLEKHN1	PLEKHN1	54.16726581	42.25613719	59.09818722	
99.05676896					
TMBIM6	TMBIM6	81599.86091	62488.90388	74206.13701	
67572.40859					
CEP44	CEP44	1245.847114	1524.742284	1282.319157	
1283.814956					
ETV3	ETV3	167.7101884	110.0420239	234.1626286	
103.9605694					
PGAM1	PGAM1	40846.28514	32130.51032	28371.59011	
44879.58166					
ADAMTS4	ADAMTS4	59.37565676	25.52974955	59.09818722	
25.49976231					
CPNE9	CPNE9	2.083356377	2.641008574	7.805420954	
0.980760089					
MYT1L	MYT1L	0	19.36739621	0	4.903800443
CHSY1	CHSY1	720.8413066	766.7728227	656.7704203	
532.5527281					
ZNF607	ZNF607	190.6271085	187.5116088	580.946331	
457.0342013					
TFPT	TFPT	1042.719867	922.5923286	534.1138053	
772.8389499					
LPAR3	LPAR3	0	0	117.0813143	0
PRDX1	PRDX1	35146.22209	32172.76645	27844.16666	
23632.3951					
VIPR1-AS1	VIPR1-AS1		2.083356377	4.401680957	
60.21324736	51.9802847				
YIF1B	YIF1B	3452.121517	3166.569281	1917.903434	
2329.305211					
CTD-220I18.1	CTD-220I18.1		6.250069132	8.803361914	
26.76144327	37.26888337				
LOC101928796	LOC101928796		4.166712755	0.880336191	0
0.980760089					
MRPL11	MRPL11	5086.514595	4057.469506	3745.486998	
3932.847956					
KIF27	KIF27	144.7932682	179.5885831	240.8529894	
255.9783831					
MLNR	MLNR	0	0.880336191	1.115060136	8.826840798
MDM2	MDM2	10921.99581	9572.775746	8601.573891	
5284.335358					
MEST	MEST	150.0016592	183.1099278	350.1288828	
362.8812328					
KRT1	KRT1	13.54181645	5.282017149	0	56.88408514
HLA-DMA	HLA-DMA	261.4612254	311.6390118	102.5855325	
127.4988115					
KIF26B	KIF26B	4.166712755	0.880336191	4.460240545	
37.26888337					
CLIC5	CLIC5	626.0485914	823.9946752	541.9192262	
481.5532035					
TRDN	TRDN	0	0	2.230120273	0

DEK	DEK	10474.07419	9797.261475	9689.872584
9288.7788				
USP7	USP7	1776.061312	2393.634105	1718.30767
1772.23348				
FZD5	FZD5	6.250069132	15.84605145	33.45180409
36.28812328				
IL4	IL4	553.1311182	100.3583258	312.2168382
35.30736319				
IL2	IL2	137.5015209	93.31563629	112.6210738
788.5311113				
ALPL	ALPL	1.041678189	0	0
ZNF81	ZNF81	178.1269703	262.340185	240.8529894
203.9980984				
C4A	C4A	1.041678189	0	3.345180409
PCDHGA3	PCDHGA3	4.166712755	4.401680957	2.942280266
10.78836098				33.45180409
RTFDC1	RTFDC1	10239.69659	7967.922869	7270.192088
7235.067174				
PRND	PRND	0	0	1.115060136
CPSF3	CPSF3	9764.691341	7456.447541	7293.608351
8235.442465				
MMRN1	MMRN1	42.70880574	54.58084387	0
DNA2	DNA2	2918.782285	2937.681871	9.807600887
1918.366733				1665.899844
FCAMR	FCAMR	0	5.282017149	0
AIF1L	AIF1L	26.04195472	29.05109432	51.29276627
28.44204257				
SEC23B	SEC23B	14483.49354	10780.597	10450.3436
11120.83865				
OGG1	OGG1	1958.354995	2052.063662	1425.046854
2395.016137				
NFRKB	NFRKB	2523.986251	2395.394777	3085.371397
2997.202831				
WDR89	WDR89	1839.603681	1421.742949	3193.53223
2353.824213				
DTD2	DTD2	547.9227273	522.0393615	602.1324736
653.1862191				
INSL4	INSL4	0	0	2.942280266
NEU1	NEU1	0	0	3.345180409
ZBTB14	ZBTB14	1075.011891	1272.966133	1121.750497
1274.988115				
RANGRF	RANGRF	4159.421007	3347.0382	2468.743142
2988.37599				
ADIPOQ	ADIPOQ	0	0	2.942280266
SCOC	SCOC	3350.037055	3170.090625	4092.2707
3766.11874				
HNRNPD	HNRNPD	25144.02812	24695.19084	19160.07832
21818.96969				
PTPRC	PTPRC	58076.68405	65408.09869	54705.96535
77071.07005				

TACC2	TACC2	3.125034566	0	0	0
PLGRKT	PLGRKT	1700.018804	1622.459601		1203.149887
1709.464835					
BATF3	BATF3	793.7587798	1889.201467		1803.05224
1777.137281					
KIAA1407	KIAA1407		65.62572589		71.30723151
71.36384872		117.6912106			
ADIPOR2	ADIPOR2	432.2964483	876.8148467		518.5029634
429.5729188					
SMPD3	SMPD3	321.8785603	122.3667306		279.8800942
95.1337286					
FAM13A	FAM13A	189.5854303	44.01680957		2174.367266
99.05676896					
CYTL1	CYTL1	0	2.641008574	0	0
ZNF395	ZNF395	271.8780073	759.7301332		880.8975076
1430.928969					
ACP6	ACP6	347.920515	443.6894405		322.2523794
654.1669791					
ABL2	ABL2	164.5851538	286.9895984		389.1559876
304.0356275					
COQ10B	COQ10B	5347.975821	3579.446954		4937.486283
3350.276463					
CD101	CD101	556.2561528	503.5523015		316.6770787
292.2665064					
GBAP1	GBAP1	284.3781455	231.5284183		266.4993726
335.4199503					
LM02	LM02	1.041678189	0	0	0
ZFAND5	ZFAND5	12091.80041	9017.283609		10520.59239
8924.916807					
TMEM38A	TMEM38A	152.0850156	110.9223601		70.24878858
70.61472638					
ZFYVE21	ZFYVE21	1177.096353	829.2766923		1467.419139
1221.04631					
BAIAP2	BAIAP2	112.5012444	135.5717735		233.0475685
199.094298					
TTLL2	TTLL2	0	1.760672383	0	2.942280266
FLRT1	FLRT1	4.166712755	10.5640343		6.690360818
22.55748204					
C7orf25	C7orf25	1136.470904	929.6350182		1103.909535
861.1073579					
KCTD15	KCTD15	23.95859834	86.27294676		12.2656615
40.21116364					
VPS41	VPS41	5580.270057	4342.698432		3885.984575
4434.016361					
RP1L1	RP1L1	1.041678189	0	0	0
STARD13	STARD13	70.83411683	139.9734544		22.30120273
65.71092594					
RAP2A	RAP2A	956.2605772	1895.36382		917.6944921
633.5710173					
SIRT2	SIRT2	4341.71469	3126.954152		2622.62144

2503.880506				
VDAC1	VDAC1	24679.43965	19311.93503	18400.72237
22728.13429				
TMEM184C	TMEM184C		3501.080392	2607.555799
3763.32796	3033.490954			
KLHL21	KLHL21	3440.663057	3029.236835	7943.688411
4221.191422				
PRKG2	PRKG2	46.87551849	83.63193819	80.28432981
35.30736319				
DNAJC3	DNAJC3	2743.780349	2808.272451	2850.093708
1804.598563				
TXNDC9	TXNDC9	5158.39039	3861.154536	3787.859283
3873.02159				
XP05	XP05	6042.775173	5898.252483	5772.666325
5561.890463				
TMEM60	TMEM60	1558.35057	1348.675045	1367.063727
1147.489304				
DENND1A	DENND1A	461.4634376	623.2780235	587.6366918
579.6292124				
DEPDC7	DEPDC7	103.1261407	132.9307649	185.0999826
142.2102129				
C9orf66	C9orf66	334.3786986	249.1351422	179.5246819
138.2871725				
C4orf45	C4orf45	1.041678189	0	0
CLN8	CLN8	783.3419979	691.0639103	812.8788393
934.6643645				
UNC50	UNC50	3108.367715	2327.60889	3154.505125
2982.49143				
SCN5A	SCN5A	1.041678189	3.521344766	16.72590204
9.807600887				
DCAF13	DCAF13	11580.33642	7765.445545	8333.959458
9420.200652				
PDC	PDC	0	1.760672383	3.345180409
GPR135	GPR135	17.70852921	17.60672383	4.460240545
17.6536816				
EAPP	EAPP	2955.241021	2467.582345	4282.945983
3561.139882				
FER	FER	219.7940978	205.1183326	405.8818896
391.3232754				
BCAN	BCAN	27.08363291	36.97412004	34.56686422
37.26888337				
TEAD4	TEAD4	45.8338403	57.22185244	30.10662368
63.74940576				
CCDC62	CCDC62	17.70852921	15.84605145	24.531323
20.59596186				
DENND5A	DENND5A	2033.355824	684.0212207	6348.037356
2856.954138				
TIGD6	TIGD6	475.005254	473.620871	715.8686075
508.0337259				
EFHD1	EFHD1	36.4587366	27.29042193	97.01023186

39.23040355					
RAB5C	RAB5C	2003.147157	2374.266708	1061.53725	
1019.990492					
GAS7	GAS7	11.45846008	27.29042193	21.18614259	
21.57672195					
RASSF6	RASSF6	0	1.760672383	6.690360818	0
CADPS	CADPS	0	0	4.460240545	0
RGL2	RGL2	0	4.401680957	0	0.980760089
DNM1L	DNM1L	8113.631412	6872.784647	4749.04112	
6052.270507					
DGKG	DGKG	89.58432423	37.85445623	61.32830749	
95.1337286					
ZNF578	ZNF578	19.79188559	6.16235334	71.36384872	
21.57672195					
FNDC3A	FNDC3A	1836.478647	1945.542983	4117.917083	
2821.646775					
SON	SON	9889.692723	14640.8712	14787.92753	
12158.48282					
IGFL2	IGFL2	1.041678189	1.760672383	12.2656615	0
ATE1-AS1	ATE1-AS1		41.66712755	38.73479242	
51.29276627		37.26888337			
PAK6	PAK6	861.4678621	827.51602	428.1830923	
716.9356248					
PAK1	PAK1	2936.490814	2172.66972	1722.767911	
1549.60094					
CBX5	CBX5	9032.391574	15339.85814	7135.269812	
9224.048634					
UBAP2L	UBAP2L	15403.29538	14022.87519	13467.69633	
14084.69563					
ZNF566	ZNF566	278.1280764	309.8783394	919.9246124	
584.5330128					
SMIM8	SMIM8	523.9641289	537.0050768	587.6366918	
708.108784					
ZDHHC19	ZDHHC19	0	0	14.49578177	0
MAGEA8	MAGEA8	1.041678189	5.282017149	0	0
ARMC10	ARMC10	2689.613083	2109.285515	2970.520203	
3228.662212					
LATS2	LATS2	32.29202385	116.2043773	57.98312709	
18.63444168					
BCAR1	BCAR1	6.250069132	21.12806859	0	60.8071255
DHX34	DHX34	1818.770117	1312.581261	2118.614259	
1805.579323					
OR3A1	OR3A1	29.16698928	36.09378385	20.07108245	
35.30736319					
OPHN1	OPHN1	4.166712755	0	0	9.807600887
AMPD1	AMPD1	0	0	5.575300681	0
AP4S1	AP4S1	330.2119858	359.1771661	532.9987451	
519.802847					
ZNF883	ZNF883	2.083356377	7.923025723	31.22168382	
49.03800443					

MATN4	MATN4	64.5840477	46.65781815	22.30120273	
8.826840798					
MPDZ	MPDZ	0	0.880336191	0	7.846080709
HSD17B10	HSD17B10		8056.339111		5771.484071
5304.341068	5035.222295				
SNORD81	SNORD81	93.75103698	56.34151625	123.7716751	
96.11448869					
LINC00634	LINC00634		2.083356377	7.923025723	0
0.980760089					
LINC00304	LINC00304		1.041678189	0	0
0.980760089					
RPL13AP20	RPL13AP20		3.125034566	3.521344766	
1.115060136	2.942280266				
SLC17A8	SLC17A8	0	0	1.115060136	0
RAF1	RAF1	10248.03002	8268.11751	9170.254561	
7901.984034					
PMF1-BGLAP	PMF1-BGLAP		3530.247382	3076.774989	
2837.828047	3410.102828				
LETM2	LETM2	611.4650968	507.9539825	240.8529894	
459.9764816					
CCER2	CCER2	1.041678189	8.803361914	4.460240545	
7.846080709					
LRRC63	LRRC63	55.208944	52.82017149	28.99156354	
67.67244612					
RANBP6	RANBP6	2175.024058	2209.643841	2425.255796	
2763.78193					
LAMC3	LAMC3	9.375103698	7.042689532	5.575300681	
9.807600887					
MTHFR	MTHFR	355.2122623	724.5166856	964.5270179	
656.1284993					
MTHFD1	MTHFD1	25758.61825	18939.55282	13291.51682	
15479.33648					
CACNA1C-AS1	CACNA1C-AS1		5.208390943	23.76907717	
44.60240545	86.3068878				
NABP1	NABP1	1104.17888	2008.927189	1829.813684	
2600.975755					
DIP2A-IT1	DIP2A-IT1		9.375103698	10.5640343	
16.72590204	5.884560532				
MTUS2-AS1	MTUS2-AS1		0	0	6.690360818
4.903800443					
CRB1	CRB1	3.125034566	4.401680957	20.07108245	
7.846080709					
DHRS4L2	DHRS4L2	546.8810491	774.6958485	444.9089944	
796.377192					
STK35	STK35	1471.891281	2505.436801	1766.255256	
1834.021366					
HAUS4	HAUS4	2739.613636	3091.740704	2127.53474	
2574.495233					
TPP1	TPP1	7842.795083	8207.374313	11441.63206	
11033.551					

CUX1	CUX1	597.9232803	1064.326455	845.2155833
1126.893342				
COMMD9	COMMD9	2385.443052	1817.894235	1915.673314
2146.883834				
CCDC59	CCDC59	1475.016315	1548.511361	1979.231742
1522.139658				
RAB6C	RAB6C	2.083356377	0	2.942280266
BC02	BC02	16.66685102	20.2477324	18.95602232
36.28812328				
PPIAL4G	PPIAL4G	0	0.880336191	1.115060136
SMC02	SMC02	10.41678189	1.760672383	7.805420954
2.942280266				
SLC15A5	SLC15A5	0	0	1.115060136
AARSD1	AARSD1	2534.403033	1640.066325	2388.458812
2016.442742				
PTGES3L	PTGES3L	36.4587366	31.69210289	17.84096218
26.48052239				
ACSS1	ACSS1	4507.341522	3784.565287	3608.334601
3577.812803				
EPB41L2	EPB41L2	2555.236597	4111.170014	2002.648005
2326.36293				
PAFAH1B1	PAFAH1B1		4234.421837	5068.97579
3203.567771	3223.758411			
KPNA5	KPNA5	208.3356377	173.4262297	1000.208942
458.9957215				
PARD3	PARD3	36.4587366	269.3828746	40.14216491
177.517576				
TCF24	TCF24	4.166712755	0	0
ALDH8A1	ALDH8A1	16.66685102	56.34151625	25.64638313
17.6536816				
CDADC1	CDADC1	641.6737642	500.9112929	607.7077743
522.7451273				
MICAL1	MICAL1	2976.074585	4073.315558	1361.488426
2770.64725				
TEF	TEF	118.7513135	191.0329535	287.6855152
122.5950111				
LMLN	LMLN	359.3789751	195.4346345	367.969845
395.2463157				
ARRB1	ARRB1	575.0063602	749.1660989	374.6602058
571.7831317				
TBC1D8	TBC1D8	95.83439336	83.63193819	214.0915462
260.8821836				
EXOC1	EXOC1	2758.363844	2345.215614	2551.257592
2903.049862				
SNORD116-23	SNORD116-23		0	0
SNORD116-22	SNORD116-22		3.125034566	0
0.980760089				
SNORD116-21	SNORD116-21		2.083356377	0.880336191
12.74988115				0
LOC100289092	LOC100289092		58.33397857	81.8712658

21.18614259	58.84560532			
EXTL3 EXTL3	822.9257691	1733.381961	1146.28182	
1214.18099				
TUBB2B TUBB2B	10.41678189	8.803361914	22.30120273	
22.55748204				
ARMC8 ARMC8	5065.681032	3666.600237	5518.432614	
4380.074556				
LRTOMT LRTOMT	3320.870066	2898.947078	1950.240178	
2250.844403				
SMYD3 SMYD3	750.0082959	667.2948331	689.1071642	
919.9529632				
CDH15 CDH15	0 0	0 0.980760089		
AGTPBP1 AGTPBP1	2275.025164	2776.580348	1819.778142	
2289.094047				
ATCAY ATCAY	0 1.760672383	0	0.980760089	
CLSTN2 CLSTN2	0 3.521344766	0	0	
METTL4 METTL4	1834.39529	1409.418242	2030.524508	
1752.618278				
TSSC2 TSSC2	0 0	1.115060136	1.961520177	
TMPRSS7 TMPRSS7	0 3.521344766	10.03554123	2.942280266	
MTOR-AS1	MTOR-AS1	37.50041479	127.6487478	
33.45180409	54.92256497			
FAM86DP FAM86DP	280.2114328	169.9048849	434.8734531	
297.1703069				
LMAN2L LMAN2L	1232.305297	848.6440885	1349.222765	
1050.394055				
FAM154B FAM154B	11.45846008	7.042689532	53.52288654	
11.76912106				
ESC02 ESC02	3644.831982	3587.36998	2130.87992	
2283.209486				
KY KY	0 0	13.38072164	0	
FGD4 FGD4	7.291747321	6.16235334	0 14.71140133	
USP20 USP20	2886.490261	5247.684037	3228.099094	
3421.871949				
MLLT11 MLLT11	402.0877808	419.9203633	266.4993726	
351.1121117				
ERP29 ERP29	6377.153871	6715.204468	7153.110774	
5627.601389				
PSMF1 PSMF1	8267.799784	6518.889498	7339.325817	
7605.794488				
C4B_2 C4B_2	1.041678189	0 3.345180409	2.942280266	
GNAZ GNAZ	2.083356377	3.521344766	3.345180409	
24.51900222				
PGGT1B PGGT1B	580.2147511	1524.742284	555.2999479	
1750.656758				
B3GALT4 B3GALT4	0 28.17075813	0	25.49976231	
B3GALNT1	B3GALNT1	1168.762928	189.2722812	
321.1373192	101.9990492			
B4GALT2 B4GALT2	471.8802195	787.0205551	403.6517693	
481.5532035				

MRPL40	MRPL40	3456.28823	2916.553802	2758.658777	
2923.645824					
GNRH2	GNRH2	3.125034566	1.760672383	0	0.980760089
KCNH7	KCNH7	0	0	1.961520177	
GPATCH1	GPATCH1	902.0933114	765.8924866	1122.865557	
866.0111583					
NIPAL3	NIPAL3	3927.126771	4015.213369	5356.748895	
4736.090468					
PTPN18	PTPN18	6479.238334	6361.309319	3607.219541	
4403.612798					
LPAR4	LPAR4	11.45846008	4.401680957	1.115060136	0
GPR37	GPR37	0	6.16235334	0	
MAFF	MAFF	401.0461026	331.006408	470.5553775	
440.3612798					
PCDHGC4	PCDHGC4	4.166712755	4.401680957	33.45180409	
10.78836098					
CMTR1	CMTR1	4772.969461	5123.556634	6547.63312	
4417.343439					
TPT1	TPT1	20641.89499	21852.58528	26471.52763	
20357.63716					
TUBGCP3	TUBGCP3	5747.980245	5443.999008	3478.987625	
4319.26743					
TCP11L2	TCP11L2	115.6262789	144.3751354	286.570455	
161.8254146					
LIMD2	LIMD2	14767.87168	17401.6055	9256.114191	
12274.21251					
THAP7	THAP7	1686.476988	1126.830325	2032.754628	
1755.560559					
HIRIP3	HIRIP3	4009.419348	3097.903058	3018.467789	
3059.971477					
ZNF605	ZNF605	87.50096785	206.879005	56.86806695	
255.9783831					
AMT	AMT	89.58432423	97.71731725	88.08975076	
98.07600887					
PNMA5	PNMA5	1.041678189	4.401680957	1.115060136	0
PCYT2	PCYT2	2453.152134	2299.438132	1925.708855	
2415.612098					
DCHS2	DCHS2	0	2.230120273	1.961520177	
ZNF260	ZNF260	655.2155807	984.215862	1335.842043	
1005.279091					
EIF2AK2	EIF2AK2	7895.92067	4997.668559	12373.82233	
5337.296403					
RASA4CP	RASA4CP	160.4184411	266.741866	244.1981698	
344.2467911					
GRAP2	GRAP2	4396.923634	3029.236835	4318.627908	
3028.587154					
NHS	NHS	54.16726581	142.614463	108.1608332	
331.49691					
C19orf71	C19orf71		8.33342551	23.76907717	
27.87650341	18.63444168				

C12orf73	C12orf73	475.005254	593.346593
487.2812795	463.8995219		
HMGB2 HMGB2	60227.74951	53354.53555	31581.84824
35360.32424			
UXT UXT	4053.169832	4495.87693	4468.045966
4275.133227			
ZNF572 ZNF572	2.083356377	4.401680957	44.60240545
120.6334909			
PACRG PACRG	1.041678189	3.521344766	12.2656615
6.865320621			
AFAP1L1 AFAP1L1	4.166712755	14.08537906	51.29276627
13.73064124			
DPM2 DPM2	3377.120688	2772.178667	3048.574413
3160.989766			
ADAM17 ADAM17	2004.188835	1772.99709	2130.87992
1800.675523			
ESR2 ESR2	17.70852921	25.52974955	56.86806695
33.34584301			
DLG2 DLG2	19.79188559	19.36739621	23.41626286
14.71140133			
CD53 CD53	27518.01271	27743.79507	17500.86884
19532.81793			
MRPS16 MRPS16	7464.6659	8090.289599	7040.4897
7859.811351			
DNAJC13 DNAJC13	1410.432268	2810.913459	1991.497403
2083.134428			
SLC9A8 SLC9A8	1058.34504	1093.37755	993.5185814
1121.989541			
KIR3DL2 KIR3DL2	2.083356377	194.5542983	12.2656615
185.3636568			
DNAJB2 DNAJB2	57.29230038	282.5879175	168.3740806
92.19144833			
HOXA2 HOXA2	0 0.880336191 0		1.961520177
HIVEP2 HIVEP2	800.0088489	3079.415998	2689.525049
2366.574094			
CENPI CENPI	830.2175164	971.0108192	431.5282727
641.417098			
NCAPD3 NCAPD3	11189.7071	12589.68787	6931.213807
8513.97833			
PRRC2A PRRC2A	2.083356377	5.282017149	0 1.961520177
TNP03 TNP03	11089.706	8219.699019	8571.467267
9327.028443			
CDRT4 CDRT4	217.7107414	323.9637184	269.844553
204.9788585			
LYSMD2 LYSMD2	1223.971872	1460.477742	3492.368347
2329.305211			
SEC14L1 SEC14L1	5358.392603	5966.918706	3053.034653
3465.025393			
VSIG10L VSIG10L	78.12586415	43.13647338	69.13372845
89.24916807			

LOC100128164	LOC100128164	13.54181645	7.042689532	0
0				
PLEKHA4	PLEKHA4	66.66740408	66.02521436	113.7361339
152.9985738				
ASAH2	ASAH2	26.04195472	14.96571525	20.07108245
28.44204257				
FAM136A	FAM136A	7776.127679	5088.343187	5380.165157
5713.908277				
DCAF4	DCAF4	641.6737642	408.4759928	669.0360818
552.1679299				
MTHFD2	MTHFD2	10615.74242	11241.01283	11374.72845
9874.292573				
FAM122A	FAM122A	1838.562003	1278.24815	1609.031777
1226.930871				
VSIG2	VSIG2	0	16.72638764	5.575300681
				7.846080709
RNF125	RNF125	2335.442499	2755.452279	3051.919593
2220.440841				
NAP1L4	NAP1L4	24561.73001	22083.23336	17898.94531
19112.07185				
URI1	URI1	1741.685932	2646.290591	3089.831638
2642.167679				
ZNF638	ZNF638	5268.808278	5134.120668	5253.048302
5642.31279				
VCAM1	VCAM1	170.8352229	4.401680957	52.4078264
4.903800443				
CTDSP1	CTDSP1	972.9274282	1708.732548	520.7330836
532.5527281				
PBX1	PBX1	0	0	3.345180409
				1.961520177
NPHP1	NPHP1	15.62517283	15.84605145	30.10662368
34.3266031				
GABPB1	GABPB1	5958.399239	5440.477663	4221.617676
5779.619203				
POLR3E	POLR3E	3655.248764	2859.33195	2766.464198
3117.836322				
IDH3A	IDH3A	13395.98151	8652.824426	9084.39493
9295.64412				
POLL	POLL	772.925216	753.5677799	640.0445182
807.165553				
SLC03A1	SLC03A1	3187.535257	2165.627031	1874.416089
1134.739423				
AHCYL1	AHCYL1	5183.390667	6424.693525	5483.86575
5874.752931				
CPSF6	CPSF6	13031.39414	11014.76643	9988.708701
10450.9795				
SCRIB	SCRIB	278.1280764	1348.675045	398.0764686
473.7071228				
TMEM35	TMEM35	0	0.880336191	0
				0
KLF6	KLF6	9009.474654	6194.925779	22185.23647
16201.1759				
LRRC41	LRRC41	6545.905738	5312.828915	5726.94886

5913.002575				
MB21D1 MB21D1	2794.82258	3213.227099	1836.504044	
1949.751056				
FLYWCH2 FLYWCH2	784.3836761	711.3116427	779.4270352	
796.377192				
NIT1 NIT1	2720.863429	2749.289926	2476.548563	
2787.320172				
EHD4 EHD4	3312.53664	4527.569033	2916.997316	
3574.870523				
TRIM27 TRIM27	1.041678189	0 0	0.980760089	
RELB RELB	4041.711372	5151.727392	6203.079538	
6121.904473				
PLCH1 PLCH1	17.70852921	37.85445623	7.805420954	
32.36508293				
RAD54L2 RAD54L2	3134.40967	4472.107853	3234.789455	
3417.948909				
MDM1 MDM1	1713.56062	1997.482818	1390.47999	
1375.025644				
RTF1 RTF1	1885.437522	2647.170928	1528.747447	
1762.425879				
TP53I3 TP53I3	332.2953422	235.0497631	385.8108071	
207.9211388				
FYN FYN	14820.99727	13886.42308	20427.9017	
26540.34876				
FAM92B FAM92B	0 0	3.345180409	0	
EVA1A EVA1A	2.083356377	18.48706002	15.61084191	
11.76912106				
DUSP12 DUSP12	2251.066566	1648.869687	2310.404602	
1736.926117				
RAB10 RAB10	15403.29538	11439.08847	14586.10164	
14098.42627				
DCTN3 DCTN3	4201.088135	3656.036203	2425.255796	
2322.43989				
MAP1B MAP1B	32.29202385	53.70050768	28.99156354	
44.13420399				
SH3BP5-AS1	SH3BP5-AS1	4142.754156	4449.219112	
1606.801656	1892.866971			
VSX1 VSX1	4.166712755	1.760672383	10.03554123	
2.942280266				
BIN2 BIN2	13418.89843	10165.242	6457.313249	
7409.64247				
ZBP1 ZBP1	597.9232803	287.8699346	1263.363134	
271.6705446				
MINOS1 MINOS1	6071.942162	5609.502212	5835.109693	
5384.372887				
LRRC36 LRRC36	0 2.641008574 0		1.961520177	
VWDE VWDE	87.50096785	3.521344766	126.0017954	
6.865320621				
CMTM6 CMTM6	26668.00331	14617.98246	19021.81086	
14939.91843				

MANSC1	MANSC1	26.04195472	42.25613719	72.47890886
135.3448922				
USP18	USP18	5950.065814	1736.903306	8578.157628
2189.056518				
NRDE2	NRDE2	631.2569824	794.9435809	687.9921041
700.2627033				
DCAF11	DCAF11	8058.422468	7287.422993	9094.430471
7642.082611				
PCDH1	PCDH1	0	0	35.68192436
TK2	TK2	429.1714137	604.7909635	5.884560532
234.4016612				147.187938
TRMU	TRMU	2448.985422	1806.449865	1913.443194
2145.903074				
ABHD12B	ABHD12B	1.041678189	0	0
TSC22D1	TSC22D1	50.00055306	174.3065659	0
330.5161499				572.0258499
PTBP3	PTBP3	7103.203569	10654.70893	6384.83434
5949.290698				
ZC3H18	ZC3H18	2505.236044	3770.479908	2078.472094
2466.611623				
GTSF1	GTSF1	616.6734877	441.9287681	574.2559702
401.1308763				
RHEBL1	RHEBL1	1004.177774	904.9856048	643.3896986
567.8600913				
PRDX5	PRDX5	7502.166315	6323.454863	5819.498851
5850.233929				
DTWD1	DTWD1	692.7159955	574.859533	822.9143806
697.320423				
ZNF41	ZNF41	863.5512184	810.7896323	1412.781193
1115.124221				
PCDHGA8	PCDHGA8	5.208390943	4.401680957	43.48734531
10.78836098				
PBXIP1	PBXIP1	6310.486467	5991.568119	4984.318809
5851.214689				
STAT5A	STAT5A	11812.63066	9431.041619	19843.61019
18902.18919				
ATG3	ATG3	7444.874015	5716.903227	7313.679434
5479.506615				
GBP5	GBP5	27609.68039	20837.55765	95174.84287
50320.83863				
TAOK2	TAOK2	722.924663	1708.732548	896.5083496
940.548925				
LCOR	LCOR	618.7568441	713.0723151	1187.539045
887.5878802				
ZNF493	ZNF493	266.6696163	209.5200136	714.7535473
466.8418022				
TLE2	TLE2	17.70852921	48.41849053	239.7379293
279.5166253				
GTF2A1L	GTF2A1L	0	0	3.923040355
KLHL5	KLHL5	3133.367992	4112.930686	2047.25041

2544.09167					
DCTN4	DCTN4	1813.561727	1653.271368	2286.988339	
1922.289774					
SNORD18C	SNORD18C		26.04195472	13.20504287	
57.98312709		57.86484523			
TIE1	TIE1	25.00027653	14.08537906	35.68192436	
24.51900222					
CLDN15	CLDN15	60.41733494	137.3324459	134.9222765	
106.9028497					
LINC00544	LINC00544		6.250069132	51.0594991	0
1.961520177					
RICTOR	RICTOR	1127.0958	2382.189734	2448.672059	
2161.595235					
ACOT7	ACOT7	9335.519927	7118.398444	5046.762177	
5576.601864					
PPP5D1	PPP5D1	28.12531109	23.76907717	66.90360818	
25.49976231					
STXBP4	STXBP4	402.0877808	353.895149	198.4807043	
319.7277889					
IRF2BP2	IRF2BP2	1759.394461	1915.611553	2033.869689	
2045.865545					
NEDD9	NEDD9	5347.975821	4390.236587	4335.35381	
4645.86054					
RBPJL	RBPJL	40.62544936	29.93143051	22.30120273	
15.69216142					
CRELD1	CRELD1	634.3820169	596.8679378	1064.88243	
928.779804					
CALN1	CALN1	0	5.282017149	0	1.961520177
DDA1	DDA1	1987.521984	1964.910379	1557.73901	
1392.679326					
HSDL1	HSDL1	1343.764863	1353.957062	1388.24987	
1380.910205					
GHRL	GHRL	59.37565676	98.59765344	36.7969845	
52.96104479					
DYSF	DYSF	6.250069132	0.880336191	41.25722504	
8.826840798					
RGPD2	RGPD2	6.250069132	13.20504287	20.07108245	
47.07648426					
UBTF	UBTF	6367.778768	7390.422327	7096.242707	
6377.882857					
LACC1	LACC1	538.5476236	456.0141472	648.9649993	
594.3406137					
ZMAT4	ZMAT4	0	0	6.690360818	0
THAP9	THAP9	195.8354995	152.2981611	249.7734705	
235.3824213					
ALDH1A3	ALDH1A3	3.125034566	0	1.115060136	0
MRPL10	MRPL10	4372.965036	3473.806611	3762.2129	
3257.104254					
SETSIP	SETSIP	0	1.760672383	0	0
AQP9	AQP9	3.125034566	0	25.64638313	6.865320621

GAN	GAN	683.3408918	527.3213787	547.4945269
521.7643672				
KCNC1	KCNC1	0	2.641008574	0
CLECL1	CLECL1	161.4601192	483.3045691	90.31987104
283.4396656				
TNFRSF11A	TNFRSF11A		2375.02627	728.0380303
948.916176		339.3429907		
NUDT3	NUDT3	1743.769288	2026.533913	1738.378752
1955.635617				
PNPLA6	PNPLA6	866.676253	2436.770578	801.728238
1114.143461				
TRAFD1	TRAFD1	10236.57156	8544.543074	19078.67893
12447.80705				
ARPP19	ARPP19	13138.68699	12741.1057	11402.60495
11126.72321				
ZBTB6	ZBTB6	370.8374352	497.3899482	648.9649993
675.7437011				
CD207	CD207	0	0	3.345180409
TOR1B	TOR1B	256.2528344	1677.040445	231.9325083
1964.462458				
BRF1	BRF1	1040.636511	1489.528836	962.2968976
1141.604743				
GAS6-AS1	GAS6-AS1		15.62517283	27.29042193
11.15060136		48.05724434		
HMG3-AS1	HMG3-AS1		841.6759765	747.4054265
579.8312709		610.0327752		
KCTD12	KCTD12	26.04195472	87.15328295	80.28432981
73.55700665				
IL1RN	IL1RN	566.6729347	58.10218863	888.7029286
412.8999973				
RBM11	RBM11	27.08363291	49.29882672	299.9511767
138.2871725				
RGS13	RGS13	6.250069132	2.641008574	3.345180409
1.961520177				
PTPN6	PTPN6	13441.81535	12396.01391	15308.66061
18030.29347				
TBCCD1	TBCCD1	2686.488049	2290.63477	2676.144327
2436.20806				
MSANTD2	MSANTD2	315.6284912	278.1862365	289.9156354
441.3420399				
PIK3IP1	PIK3IP1	2823.98957	1722.817927	16769.38939
8185.4237				
IL17F	IL17F	6.250069132	2188.515772	6855.389718
7390.027268				
NIPSNAP3B	NIPSNAP3B		13.54181645	22.00840479
70.24878858		31.38432284		
OPA1	OPA1	9602.189543	9479.460109	6810.787312
8321.749352				
NME8	NME8	0	0	6.690360818
LPXN	LPXN	19378.33934	12222.58768	14665.27091

14145.50276					
OTX2	OTX2	0	0	0	2.942280266
NDUFB9	NDUFB9	8618.845333		8071.802539	5890.8627
5983.617301					
CPQ	CPQ	243.7526962		252.6564869	334.5180409
555.1102102					
INSIG2	INSIG2	2857.323272		2783.623037	2762.003958
3371.853185					
TRAF3	TRAF3	4662.551573		4583.030213	3055.264773
3570.947483					
LRR31	LRR31	10.41678189		0	0
ZBTB9	ZBTB9	81.25089872		64.26454197	119.3114346
85.32612771					
PEX11G	PEX11G	61.45901313		80.11059342	57.98312709
88.26840798					
EVC	EVC	43.75048393		170.7852211	59.09818722
97.09524878					
CLPSL2	CLPSL2	0	0.880336191	0	0
ST7-OT3	ST7-OT3	525.0058071		282.5879175	441.563814
310.9009481					
TANK	TANK	14610.57827		10565.79497	12560.03737
10915.85979					
MCU	MCU	2428.151858		1898.885165	1363.718547
1716.330155					
EPHB6	EPHB6	214.5857069		527.3213787	739.2848703
829.723035					
ARRDC2	ARRDC2	3050.033737		2865.494303	3042.999112
3262.008055					
HIST1H2BM	HIST1H2BM			22.91692015	149.6571525
11.15060136		14.71140133			
YARS	YARS	18675.20657		14323.06983	16123.76957
15455.79824					
MAP4	MAP4	5899.023583		6490.718739	6218.69038
6800.590455					
ZNF692	ZNF692	1248.972148		1099.539903	894.2782293
1395.621606					
OR51E1	OR51E1	0	0.880336191	0	0
APOBEC3D	APOBEC3D			2342.734246	1442.871018
1042.581227		1176.912106			
C9orf41	C9orf41	1700.018804		2002.764836	1514.251665
1650.619229					
MROH2B	MROH2B	0	0	1.115060136	2.942280266
C4orf33	C4orf33	877.0930349		688.4229017	576.4860904
524.7066474					
TSHZ2	TSHZ2	190.6271085		420.8006995	238.6228692
707.1280239					
PML	PML	4307.33931		5120.915626	5121.471206
3864.194749					
HLA-C	HLA-C	84050.92969		25982.24235	119892.3809
39536.40069					

UBXN10	UBXN10	114.5846008	126.7684116	34.56686422
92.19144833				
L3MBTL4	L3MBTL4	25.00027653	2.641008574	2.230120273
19.61520177				
MTIF2	MTIF2	2885.448583	1996.602482	2813.296724
2307.728489				
PTPN20B	PTPN20B	1.041678189	0	6.690360818
				15.69216142
ELF3	ELF3	3.125034566	0	0
				6.865320621
ELAVL2	ELAVL2	0	0.880336191	0
				0
EPHA2	EPHA2	0	0	7.846080709
KDM5B	KDM5B	7624.042663	5412.306905	4200.431533
3568.985963				
CARS2	CARS2	4212.546595	3715.018728	2659.418425
3281.623257				
PLEKHS1	PLEKHS1	2.083356377	0	14.49578177
				1.961520177
NFXL1	NFXL1	735.4248012	725.3970217	1105.024595
670.8399006				
MIR567	MIR567	1.041678189	0	0
				0
BDNF-AS	BDNF-AS	18.7502074	7.042689532	28.99156354
27.46128248				
LOC338963	LOC338963		0	0
				0
DYX1C1-CCPG1	DYX1C1-CCPG1		2219.81622	1733.381961
2304.829302	1884.04013			
UBE2E3	UBE2E3	2710.446647	3914.855043	2421.910616
2930.511145				
HMGNA4	HMGNA4	5072.972779	4327.732717	7249.005946
6117.981433				
ZBTB18	ZBTB18	13.54181645	53.70050768	178.4096218
90.22992816				
ZNHIT1	ZNHIT1	2863.573341	3126.073816	1768.485376
2095.884309				
CXCL9	CXCL9	52.08390943	13.20504287	154.9933589
90.22992816				
MIF	MIF	22045.03551	28547.54202	20592.9306
30216.23757				
MGMT	MGMT	939.5937262	1520.340603	874.2071468
1618.254146				
CIT	CIT	1036.469798	3237.876512	586.5216317
882.6840798				
MAL	MAL	4834.428474	4238.818762	6079.307863
3537.60164				
MAGOH	MAGOH	3191.70197	3376.089294	2927.032858
2776.531811				
MAD2L1	MAD2L1	11601.16999	10421.41983	7908.006486
8066.751729				
LCTL	LCTL	1017.71959	745.6447541	617.7433155
661.0322998				
GRIN2C	GRIN2C	1.041678189	1.760672383	18.95602232
2.942280266				
TBCEL	TBCEL	702.0910992	751.8071075	530.7686249

566.8793313					
JDP2	JDP2	15.62517283	29.05109432	17.84096218	
28.44204257					
FOX04	FOX04	96.87607155	159.3408507	94.78011158	
135.3448922					
STOX1	STOX1	102.0844625	257.0581679	147.187938	
294.2280266					
PCGF3	PCGF3	922.9268752	1603.972541	1086.068573	
1033.721133					
NCOR2	NCOR2	1110.428949	1756.270702	1402.745651	
1294.603317					
CCDC27	CCDC27	0	1.760672383	2.230120273	6.865320621
SAMD11	SAMD11	1548.975467	930.5153543	1196.459526	
1143.566263					
MSH2	MSH2	8406.342983	7614.908056	5534.043456	
7380.219667					
GPR97	GPR97	1.041678189	2.641008574	0	2.942280266
NUB1	NUB1	2828.156282	2297.67746	6438.357227	
4216.287621					
LIFR-AS1	LIFR-AS1	0	0	0	2.942280266
MIR6506	MIR6506	45.8338403	62.50386959	70.24878858	
34.3266031					
MIR6505	MIR6505	0	0.880336191	0	0.980760089
MY016	MY016	9.375103698	9.683698106	14.49578177	
18.63444168					
CPA5	CPA5	10.41678189	5.282017149	28.99156354	
1.961520177					
CSNK1D	CSNK1D	7416.748704	7275.098286	6853.159597	
7707.793537					
SFT2D1	SFT2D1	5814.647649	3362.884251	3718.725554	
3257.104254					
GPR152	GPR152	5.208390943	14.96571525	6.690360818	
9.807600887					
FAM214B	FAM214B	1109.387271	955.1647677	640.0445182	
679.6667414					
TRIM4	TRIM4	2107.314976	1824.056589	3462.261723	
2324.40141					
SPPL2A	SPPL2A	10624.07585	9253.213708	6561.013842	
6651.514921					
NR1I2	NR1I2	0	6.16235334	13.38072164	26.48052239
TNFSF11	TNFSF11	395.8377117	112.6830325	94.78011158	
102.9798093					
SP100	SP100	15071.00003	11402.99469	19255.97349	
12278.13555					
METTL17	METTL17	4359.42322	3740.548477	3357.44607	
3972.078359					
PRAME	PRAME	0	1.760672383	16.72590204	0.980760089
CACNA1C	CACNA1C	10.41678189	59.86286102	92.54999131	
119.6527308					
PLGLB1	PLGLB1	53.12558762	33.45277527	53.52288654	

63.74940576					
CADM1	CADM1	47.91719668	48.41849053	122.656615	
36.28812328					
FERMT2	FERMT2	34.37538023	9.683698106	109.2758934	
30.40356275					
LOC102723769	LOC102723769		14.58349464	0.880336191	
14.49578177	7.846080709				
SEC24C	SEC24C	15356.41986	15683.18925	14956.30161	
16055.04265					
CTSS	CTSS	4300.047563	3453.558879	5608.752485	
3295.353898					
PSTPIP1	PSTPIP1	4633.384583	6488.077731	2022.719087	
5358.873124					
SLC30A8	SLC30A8	9.375103698	88.03361914	0	101.0182891
KLF8	KLF8	143.75159	60.74319721	37.91204463	
80.42232727					
SETD6	SETD6	914.5934497	857.4474505	933.3053341	
977.8178084					
STEAP1B	STEAP1B	19.79188559	8.803361914	0	1.961520177
ASL	ASL	2236.483071	1944.662647	1141.82158	
1679.061272					
SRBD1	SRBD1	2023.980721	1572.280438	1778.520917	
1609.427306					
MIR374B	MIR374B	11.45846008	12.32470668	2.230120273	
11.76912106					
PAQR3	PAQR3	1735.435862	1694.647169	1200.919767	
1248.507593					
CLDND1	CLDND1	40474.40602	25373.04971	20813.7125	
19053.22624					
WBP1L	WBP1L	1547.933788	2339.053261	1837.619105	
1869.328729					
GRIA2	GRIA2	0	0	1.115060136	0
RCAN3	RCAN3	3994.835854	2655.97429	4423.443561	
3102.14416					
ATF6B	ATF6B	76.04250777	0	79.16926967	0
GTF2IRD1	GTF2IRD1		12.50013826	19.36739621	
53.52288654	36.28812328				
SEMA6C	SEMA6C	34.37538023	26.41008574	60.21324736	
46.09572417					
ACE	ACE	5.208390943	112.6830325	36.7969845	
104.9413295					
RELA	RELA	3698.999248	4495.87693	5335.562752	
4490.900446					
PDE2A	PDE2A	43.75048393	62.50386959	132.6921562	
119.6527308					
BLK	BLK	0	15.84605145	6.690360818	43.1534439
BHMT	BHMT	2.083356377	8.803361914	0	3.923040355
CEACAM1	CEACAM1	3976.085646	478.022552	1692.661287	
594.3406137					
CFB	CFB	0	1.760672383	0	0

C9orf117	C9orf117	259.377869	201.5969878
279.8800942	237.3439415		
LRRIQ4 LRRIQ4	4.166712755	0 13.38072164	5.884560532
INPP4A INPP4A	7164.662582	6842.853216	5169.418792
4292.786908			
UTS2B UTS2B	0 7.923025723	0	6.865320621
CHMP2A CHMP2A	8627.178759	7503.985696	5567.49526
6331.787132			
TEX14 TEX14	47.91719668	91.55496391	75.82408927
16.67292151			
SMIM22 SMIM22	0 1.760672383	0	1.961520177
ANKRD46 ANKRD46	571.8813256	539.6460854	1074.917971
951.337286			
CELA3B CELA3B	0 0	1.115060136	0
COL11A1 COL11A1	0 0.880336191	0	1.961520177
CDC42 CDC42	13038.68589	17556.54467	11269.9128
9447.661934			
DMD DMD	482.2970014	382.0659071	519.6180235
335.4199503			
UCHL3 UCHL3	3490.66361	2168.26804	2341.626286
2314.593809			
BTN2A2 BTN2A2	1107.303915	1178.77016	1020.280025
909.1646022			
VSNL1 VSNL1	1.041678189	7.042689532	0 0
TNNT1 TNNT1	2.083356377	4.401680957	0 0
SNORD86 SNORD86	697.9243864	453.3731386	667.9210216
662.0130599			
SNORD82 SNORD82	3.125034566	0 4.460240545	6.865320621
TRAF3IP1 TRAF3IP1		567.7146128	410.2366652
501.7770613	594.3406137		
PTGES2 PTGES2	3735.457985	2701.751772	2957.139481
3246.315893			
FBX038 FBX038	3913.584955	4018.734714	3936.162281
4129.980733			
LAP3 LAP3	20266.89084	10256.79697	16628.89181
9927.253617			
RBAK RBAK	854.1761147	1074.010154	1382.674569
1184.758187			
RFPL2 RFPL2	1.041678189	3.521344766	0 5.884560532
BATF BATF	9750.107846	7172.098952	7737.402286
9864.484972			
UBD UBD	44.79216211	0.880336191	40.14216491
4.903800443			
GUCA1B GUCA1B	7.291747321	23.76907717	11.15060136
4.903800443			
HAL HAL	1.041678189	2.641008574	1.115060136
4.903800443			
DAP3 DAP3	8555.302964	6325.215535	6548.74818
7222.317293			
SPAG6 SPAG6	91.66768061	88.03361914	16.72590204

60.8071255					
TNFRSF18	TNFRSF18		4941.721327	3834.74445	
3658.512307	7165.433208				
USP2	USP2	2.083356377	6.16235334	32.33674395	
13.73064124					
RORC	RORC	333.3370204	1184.052177	334.5180409	
1734.964597					
AQR	AQR	5290.68352	5587.493807	5053.452538	
5323.565761					
PROK2	PROK2	175.0019357	271.143547	51.29276627	
30.40356275					
APH1A	APH1A	3257.327696	3701.813685	2729.667214	
2699.051764					
GGTA1P	GGTA1P	0	9.683698106	0	0
MPPE1	MPPE1	1906.271085	1745.706668	1529.862507	
1696.714953					
TAS2R10	TAS2R10	0	0.880336191	0	0.980760089
ECHDC2	ECHDC2	611.4650968	843.3620714	483.9360991	
841.4921561					
SERBP1	SERBP1	20654.39513	17523.09189	18314.86274	
20099.69726					
MAPKBP1	MAPKBP1	808.3422744	1042.318051	877.5523272	
965.0679272					
DNAJC7	DNAJC7	3996.91921	3932.461767	4333.12369	
3712.176936					
TSTA3	TSTA3	6851.117447	3312.705088	3651.821946	
4123.115413					
TPPP3	TPPP3	0	0	1.961520177	
THAP4	THAP4	2419.818432	2357.540321	1876.646209	
2097.84583					
HDDC2	HDDC2	3538.580807	2796.82808	3387.552694	
3603.312566					
VAV1	VAV1	2463.568916	3434.191483	1915.673314	
3024.664113					
TRPV3	TRPV3	1.041678189	18.48706002	3.345180409	
6.865320621					
CSF1	CSF1	11333.45869	3831.223105	13222.3831	
10774.63033					
SPRY1	SPRY1	535.422589	701.6279446	273.1897334	
1049.413295					
CBX3P2	CBX3P2	15.62517283	29.05109432	101.4704724	
26.48052239					
LRR37A11P	LRR37A11P		1.041678189	0	5.575300681
0					
KLF7	KLF7	555.2144746	481.5438967	836.2951022	
622.7826563					
FCHSD2	FCHSD2	1488.558132	2007.166516	2528.956389	
2180.229677					
ATP10B	ATP10B	3.125034566	1.760672383	7.805420954	0
RBPJ	RBPJ	9262.602454	5446.640016	10849.53513	

12500.76809				
RSU1	RSU1	9077.183736	6729.289847	7159.801135
7430.238432				
RLF	RLF	1842.728716	2279.1904	2276.952798
2429.34274				
ABI2	ABI2	1521.891834	2469.343017	1635.79322
1967.404738				
H2AFV	H2AFV	13026.18575	15365.38789	9634.119577
9905.676896				
FBX011	FBX011	1180.221388	2011.568197	1650.289002
1265.180514				
KIAA1033	KIAA1033		6872.992689	6290.882424
6090.458464		5847.291649		
VAT1L	VAT1L	2.083356377	0.880336191	2.230120273
9.807600887				
RFPL1	RFPL1	10.41678189	0.880336191	0 3.923040355
HNRNPM	HNRNPM	37616.04107	28315.13326	25853.78432
28557.77226				
ANP32A	ANP32A	5152.140321	5967.799042	2385.113631
2988.37599				
SAFB	SAFB	11439.70987	8752.302415	10150.39242
10587.30516				
GFRA3	GFRA3	4.166712755	13.20504287	0 5.884560532
UBN1	UBN1	2094.814837	2310.882503	3047.459352
2005.654381				
HP	HP	4.166712755	0 1.115060136	0
YTHDF2	YTHDF2	15837.67518	11586.10462	14619.55345
13631.58447				
CDC20	CDC20	18655.41468	13262.26472	8487.837757
10486.28687				
EIF3C	EIF3C	2114.606723	1402.375553	1694.891407
1830.098325				
AP3S2	AP3S2	2676.071267	1961.389035	2347.201587
2012.519702				
MSLN	MSLN	1.041678189	0 0	0
STX6	STX6	3297.953145	2547.692938	2746.393116
2906.972903				
MTX3	MTX3	1211.471733	1998.363155	1123.980617
1053.336335				
RRM1	RRM1	34321.21296	25546.47594	16861.93938
20187.96567				
TGIF2	TGIF2	3529.205703	3425.388121	4279.600803
4866.53156				
KLHL10	KLHL10	5.208390943	9.683698106	2.230120273
4.903800443				
C17orf77	C17orf77		1.041678189	0 1.115060136
0				
SVIL-AS1	SVIL-AS1		972.9274282	638.2437388
694.6824649		712.0318244		
IN080C	IN080C	884.3847822	838.0800542	669.0360818

637.4940576					
MIR155HG	MIR155HG	1066.678465		792.3025723	
3819.080967	3195.316369				
SNORD38B	SNORD38B	10.41678189		2.641008574	
22.30120273	9.807600887				
MAP3K7 MAP3K7	6700.07411	5337.478329		4615.233904	
5585.428705					
DPY19L4 DPY19L4	476.0469322	746.5250903		893.1631691	
845.4151964					
KDM6A KDM6A	3301.07818	2186.7551		5117.010965	
2075.288348					
ASF1B ASF1B	11394.91771	10410.8558		5879.712099	
6860.41682					
TJP3 TJP3	97.91774974	39.61512861		640.0445182	
439.3805197					
RAB18 RAB18	7492.791211	4725.644676		6640.183111	
5022.472414					
MAPK14 MAPK14	8762.596923	7695.898986		6198.619297	
6654.457202					
ILDR1 ILDR1	85.41761147	125.8880754		2.230120273	
39.23040355					
PGAP2 PGAP2	1877.104096	1448.153035		1545.473349	
1510.370537					
HDAC7 HDAC7	2879.198514	8885.23318		2014.913666	
4069.173608					
LOC100506207	LOC100506207	9.375103698		13.20504287	
45.71746559	19.61520177				
PPP1R26-AS1	PPP1R26-AS1	13.54181645		22.88874098	0
2.942280266					
LOC100506136	LOC100506136	18.7502074		14.96571525	
24.531323	34.3266031				
LOC100506497	LOC100506497	0	4.401680957	0	
2.942280266					
DNM30S DNM30S	6.250069132	2.641008574		0	0
MAGI2-AS3	MAGI2-AS3	0	0	7.805420954	
8.826840798					
LINC00936	LINC00936	94.79271517		111.8026963	
149.4180583	126.5180514				
SLC26A4-AS1	SLC26A4-AS1	204.168925		39.61512861	
60.21324736	60.8071255				
INS	INS	0	0	3.345180409	0
IGF2BP2 IGF2BP2	1.041678189	14.96571525		5.575300681	
3.923040355					
AFF3 AFF3	27.08363291	110.0420239		112.6210738	
329.5353898					
ZNF816 ZNF816	776.0502506	651.4487817		1515.366725	
1240.661512					
TTLL9 TTLL9	0	0	2.230120273	0	
ATXN7L1 ATXN7L1	320.8368821	592.4662568		295.4909361	
323.6508293					

NALCN	NALCN	0	0	0	1.961520177
GPC2	GPC2	14.58349464		57.22185244	95.89517172
42.17268381					
C15orf57	C15orf57			2395.859834	1993.961474
2166.561845		1929.155094			
BEND6	BEND6	2.083356377		25.52974955	4.460240545
10.78836098					
METTL6	METTL6	1193.763204		895.3019067	934.4203942
1049.413295					
GLUL	GLUL	5613.603759		7335.841483	4210.467075
8970.031771					
GP2	GP2	0	0	0	1.961520177
REP15	REP15	2.083356377		10.5640343	0
SOWAHB	SOWAHB	0	0	15.61084191	0
PRR25	PRR25	3.125034566		3.521344766	1.115060136
0.980760089					
LIPM	LIPM	1.041678189		0	0
FOXP4	FOXP4	121.8763481		308.9980032	343.438522
322.6700692					
PDE9A	PDE9A	120.8346699		166.3835402	166.1439603
203.9980984					
ENAH	ENAH	4.166712755		15.84605145	0
GPSM3	GPSM3	1.041678189		0	0
ANGPT4	ANGPT4	3.125034566		0.880336191	2.230120273
4.903800443					
ATRAID	ATRAID	6950.076875		5753.877347	7580.178806
6248.422525					
BRCA1	BRCA1	3919.835024		5709.860538	1897.832352
3509.159597					
UBE2D4	UBE2D4	683.3408918		554.6118006	875.322207
810.1078332					
GCNT2	GCNT2	107.2928534		48.41849053	109.2758934
87.28764789					
XPNPEP1	XPNPEP1	5239.641289		4330.373726	3980.764686
5276.489277					
RBM4B	RBM4B	1788.56145		1272.966133	1500.870943
1325.98764					
GBP4	GBP4	13101.18658		8623.773331	33089.40954
15690.1999					
RASD2	RASD2	0	0	17.84096218	0.980760089
QPRT	QPRT	547.9227273		368.8608642	182.8698623
173.5945357					
ETHE1	ETHE1	2090.648125		2857.571277	1973.656441
2787.320172					
TRAM1	TRAM1	14578.28625		13599.43349	18210.04709
13986.61962					
CBX6	CBX6	928.1352661		2814.434804	1452.923358
1689.849633					
APTR	APTR	820.8424127		853.9261057	792.8077569
822.8577144					

SPTY2D1-AS1	SPTY2D1-AS1	934.3853353	1061.685447
540.8041661	422.7075982		
ZSWIM8-AS1	ZSWIM8-AS1	275.0030418	816.0716495
388.0409274	427.6113987		
LOC100506314	LOC100506314	37.50041479	42.25613719
21.18614259	90.22992816		
FAM153C	FAM153C	1.041678189	7.805420954
12.74988115			
LOC100507156	LOC100507156	8.33342551	8.803361914
8.92048109	14.71140133		
LOC100507634	LOC100507634	13.54181645	27.29042193
21.18614259	21.57672195		
ITGB2-AS1	ITGB2-AS1	134.3764863	344.2114509
89.2048109	148.0947734		
LINC00649	LINC00649	751.0499741	937.5580439
1039.236047	851.299757		
WNT8B	WNT8B	8.33342551	0 1.961520177
CYP1B1	CYP1B1	7852.170186	2048.36547
1936.020415			
COL7A1	COL7A1	2.083356377	1.115060136
2.942280266			
PMS2	PMS2	1141.679295	1477.204129
1529.985738			
HNF1A	HNF1A	13.54181645	36.09378385
22.55748204			
CEP112	CEP112	88.54264604	242.9727888
212.8249392			
CDK5RAP2	CDK5RAP2	1970.855133	3037.15986
1839.849225	1789.887162		
PDSS1	PDSS1	2230.233002	1390.050846
1201.431109			
HABP4	HABP4	1312.514518	1495.691189
2233.190722			
ITGB1	ITGB1	4937.554614	7995.213291
7922.579996			
TYMP	TYMP	7638.626158	6895.673388
12148.67522			
NECAB3	NECAB3	514.5890252	437.5270871
307.9586678			
C12orf57	C12orf57	2094.814837	2611.077144
2407.414834	2355.785733		
CASC4	CASC4	4040.669694	5169.334116
4283.960067			
ZNF273	ZNF273	638.5487297	707.7902979
515.8798066			
TBC1D3F	TBC1D3F	43.75048393	54.58084387
65.71092594			
THNSL1	THNSL1	545.8393709	473.620871
1167.104506			
WDR11	WDR11	4260.463792	4087.400937
			2693.985289

3808.291424				
PLBD1 PLBD1	7.291747321	14.96571525	10.03554123	
2.942280266				
ARFGAP1 ARFGAP1	1448.97436	2183.233755	1388.24987	
1480.947734				
ZNF423 ZNF423	0 1.760672383	0	0.980760089	
GTF3C6 GTF3C6	10520.94971	7121.039453	6897.762003	
6455.362904				
KCNK7 KCNK7	21.87524196	22.88874098	4.460240545	
4.903800443				
TRIM47 TRIM47	1214.596768	1479.845138	545.2644066	
1012.144412				
FCHSD1 FCHSD1	1141.679295	1454.315388	1232.141451	
1480.947734				
IN080B IN080B	244.7943743	473.620871	393.6162281	
413.8807574				
PCSK9 PCSK9	0 1.760672383	0	0.980760089	
FASTK FASTK	3581.289613	3075.014317	3040.768992	
3202.18169				
OGN OGN	43.75048393	34.33311147	25.64638313	
23.53824213				
SFMBT1 SFMBT1	2690.654761	2478.146379	2582.479276	
2323.42065				
S100B S100B	0 0.880336191	49.062646	1.961520177	
RRAS RRAS	409.3795282	438.4074233	782.7722157	
830.7037951				
RANBP2 RANBP2	3483.371863	7356.969552	4309.707427	
4605.649376				
ITFG2 ITFG2	1437.5159	954.2844315	1931.284156	
1542.735619				
KCNN4 KCNN4	5171.932207	4698.354254	3462.261723	
7007.530834				
ARHGEF10	ARHGEF10	40.62544936	354.7754851	
73.59396899	160.8446545			
HMG20A HMG20A	3426.079563	2898.066742	3422.119558	
3606.254846				
VAV3 VAV3	157.2934065	220.9643841	441.563814	
572.7638918				
BRK1 BRK1	8588.636666	7808.582018	6428.321686	
6515.189269				
THBS1 THBS1	132.29313	125.8880754	74.70902913	
33.34584301				
SCP2 SCP2	6780.28333	5866.56038	4988.77905	
5326.508042				
GNB2L1 GNB2L1	33738.91485	29162.01668	33118.40111	
31006.7302				
RWDD1 RWDD1	2417.735076	2619.880506	2822.217205	
2323.42065				
RRP15 RRP15	1012.511199	744.764418	1083.838452	
993.5099698				

GET4	GET4	5235.474576	3559.199222	3858.108071
3544.46696				
CCDC144A	CCDC144A	12.50013826		56.34151625
13.38072164	62.76864567			
FAT4	FAT4	0	0.880336191	1.115060136
MUL1	MUL1	3333.370204	2460.539655	2877.970212
2733.378367				
NEIL3	NEIL3	3363.578871	2763.375305	1339.187224
1865.405689				
TMEM30A	TMEM30A	10664.7013	7779.530924	11758.30914
8540.458852				
CCDC25	CCDC25	3382.329079	3448.276862	2890.235873
3500.332756				
CLIC4	CLIC4	1171.887962	1912.970544	1398.285411
1290.680277				
SPCS1	SPCS1	8238.632794	8948.617386	8289.357053
7620.505889				
TNFRSF19	TNFRSF19	138.5431991		367.1001918
44.60240545	50.99952461			
ZNF732	ZNF732	0	2.641008574	2.230120273
ANAPC5	ANAPC5	22371.08078	15631.24942	14237.08782
15688.23838				
LRRFIP1	LRRFIP1	18261.66033	15765.06052	13342.80959
14299.48209				
PPP2R5C	PPP2R5C	12367.84513	12928.61731	13222.3831
10944.30183				
SH2B1	SH2B1	31.25034566	250.0154784	64.6734879
67.67244612				
UBA7	UBA7	3868.792793	3902.530337	3345.180409
4218.249141				
ZNF233	ZNF233	45.8338403	17.60672383	56.86806695
21.57672195				
SPATA12	SPATA12	0	0.880336191	0
ST7	ST7	1609.392802	923.4726648	1117.290257
933.6836044				
FLT1	FLT1	302.0866747	1805.569529	390.2710477
1844.809727				
SLC4A11	SLC4A11	120.8346699	80.11059342	7.805420954
58.84560532				
SPTB	SPTB	12.50013826	49.29882672	40.14216491
29.42280266				
CSGALNACT2	CSGALNACT2	5338.600717		4934.284353
3400.933416	3103.124921			
BID	BID	1919.812902	1066.967464	1576.695033
1413.275288				
CLEC18C	CLEC18C	1.041678189	0	7.805420954
IN080E	IN080E	228.1275233	551.970792	200.7108245
229.4978607				
PPP1R21	PPP1R21	1341.681507	2061.74736	1649.173942
1404.448447				

TSPAN33	TSPAN33	187.502074	211.2806859	315.5620186
324.6315893				
PDF	PDF	1533.350294	1397.093536	1433.967335
1587.850584				
RAB38	RAB38	463.546794	397.9119585	255.3487712
290.3049862				
TOMM6	TOMM6	6506.321967	6069.037704	6747.228885
6061.097348				
HS2ST1	HS2ST1	1179.17971	1487.768164	1325.806502
1271.065075				
SP3	SP3	7145.912374	7188.825339	7728.481804
6531.862191				
PCBP3	PCBP3	145.8349464	410.2366652	124.8867353
475.668643				
DMTN	DMTN	100.0011061	288.7502708	165.0289002
269.7090244				
ATP13A2	ATP13A2	4599.009203	4059.230179	3778.938802
4299.652229				
KRTAP16-1	KRTAP16-1		7.291747321	4.401680957
12.2656615	4.903800443			
ZNF414	ZNF414	327.0869513	486.8259139	218.5517867
366.8042732				
CPB2	CPB2	2.083356377	7.923025723	2.230120273
4.903800443				
CARHSP1	CARHSP1	3248.994271	5314.589588	1684.855866
2270.459605				
RASSF7	RASSF7	1803.144945	1310.820589	1690.431167
1768.31044				
TMEM201	TMEM201	693.7576737	1153.240411	661.2306608
560.9947707				
LOC401052	LOC401052		13.54181645	22.00840479
6.690360818	7.846080709			
PSMD12	PSMD12	8673.012599	6458.1463	8181.19622
8151.097097				
PDE5A	PDE5A	211.4606723	256.1778317	274.3047935
306.9779078				
PSMD5	PSMD5	6130.27614	4929.002336	4678.792332
5460.872174				
RFC1	RFC1	3628.165131	4517.885334	4187.050812
3448.352472				
LOC113230	LOC113230		47.91719668	52.82017149
39.02710477	65.71092594			
ZNF718	ZNF718	637.5070515	505.3129739	961.1818375
627.6864567				
PIGS	PIGS	4650.051434	4068.913877	3529.165331
3915.194274				
GIT1	GIT1	6207.360326	5169.334116	5477.175389
6122.885234				
MBTD1	MBTD1	303.1283529	492.9882672	520.7330836
412.8999973				

MACROD1	MACROD1	111.4595662	131.1700925	256.4638313
378.5733942				
SLC6A15	SLC6A15	3.125034566	14.96571525	0 0.980760089
TMEM39B	TMEM39B	171.8769011	464.8175091	175.0644414
169.6714953				
P2RX7	P2RX7	340.6287677	564.2954987	943.3408753
502.1491654				
PSRC1	PSRC1	585.423142	552.8511282	216.3216664
468.8033224				
ATRIP	ATRIP	1536.475328	1486.007491	1498.640823
1499.582176				
RPUSD1	RPUSD1	3430.246275	2079.354084	2226.775092
2294.978607				
FAM207A	FAM207A	509.3806343	713.9526513	458.289716
438.3997596				
ELOVL1	ELOVL1	5569.853275	4922.839983	5150.462769
4581.130374				
WARS2	WARS2	1021.886303	862.7294676	713.6384872
1096.489779				
SUN3	SUN3	0 0	0 0.980760089	
SAT2	SAT2	634.3820169	627.6797045	989.0583409
727.7239858				
SLC26A10	SLC26A10		5.208390943	16.72638764
4.460240545	12.74988115			
SLC4A5	SLC4A5	648.9655116	667.2948331	809.5336589
637.4940576				
UBE2W	UBE2W	1759.394461	1389.17051	1570.004672
1399.544647				
GAK	GAK	7013.619245	7511.028385	5505.051893
6731.937249				
RGS20	RGS20	3.125034566	12.32470668	17.84096218
3.923040355				
CMA1	CMA1	2.083356377	1.760672383	43.48734531
12.74988115				
PPP1CB	PPP1CB	12749.09935	17439.45995	13798.86919
13678.66096				
ITGAM	ITGAM	1855.228854	808.1486237	75.82408927
286.3819459				
CRHR2	CRHR2	2.083356377	4.401680957	6.690360818
1.961520177				
ZNF586	ZNF586	760.4250777	773.8155123	1061.53725
756.1660284				
ATG2A	ATG2A	166.6685102	566.9365073	297.7210564
243.228502				
LM01	LM01	0 1.760672383	0	0.980760089
LOXL2	LOXL2	42.70880574	63.38420578	61.32830749
147.1140133				
GOLGA2	GOLGA2	398.9627463	488.5865862	766.0463136
506.0722058				
MBIP	MBIP	1363.556749	1103.941584	1345.877584

1332.852961					
SNAI3-AS1	SNAI3-AS1		56.25062219		66.02521436
85.85963049	94.15296851				
ODC1 ODC1	17276.23276		12997.28353		19162.30844
16249.23315					
IL32 IL32	86840.54388		90554.02166		32084.74036
51476.17401					
CD28 CD28	17653.32026		21709.97082		9990.938821
21454.12694					
ETNPPL ETNPPL	1.041678189		1.760672383		23.41626286
2.942280266					
RPRD1A RPRD1A	1125.012444		1097.779231		971.2173787
1063.143936					
INTS10 INTS10	7356.331369		6705.52077		5685.691635
6501.458628					
YBX2 YBX2	1.041678189		10.5640343	0	0.980760089
FBXL4 FBXL4	938.552048		876.8148467		1206.495067
1384.833245					
CBR1 CBR1	5966.732665		3848.829829		6044.740999
4922.434885					
RRAD RRAD	192.7104649		106.5206792		202.9409448
219.6902599					
GNL1 GNL1	0 0		2.230120273	0	
DPF2 DPF2	7713.626987		6262.711666		7050.525242
6935.935347					
MVP MVP	25995.0792		21903.64478		17206.49296
21762.08561					
GOLGA5 GOLGA5	3158.368268		2719.358495		4001.950829
2791.243212					
MY03B MY03B	12.50013826		29.93143051	0	2.942280266
LIMS3 LIMS3	1.041678189		0 1.115060136		0.980760089
GLT8D1 GLT8D1	2864.615019		2344.335278		3026.27321
3057.029196					
RPS20 RPS20	6588.614544		8747.900734		9859.361725
7393.950308					
POT1 POT1	2176.065736		1869.834071		2338.281106
2118.441792					
MMP24 MMP24	91.66768061		247.3744698		129.3469758
100.037529					
LOC102724050	LOC102724050		53.12558762		44.89714576
151.6481785	106.9028497				
ETFDH ETFDH	4004.210957		2575.863696		2866.81961
2621.571717					
CD300C CD300C	104.1678189		15.84605145		7.805420954
21.57672195					
RAB24 RAB24	1695.852091		1254.479073		995.7487017
980.7600887					
LAMA5-AS1	LAMA5-AS1		3.125034566	0.880336191	0
0.980760089					
RBMS3-AS3	RBMS3-AS3		1.041678189	0	0

1.961520177					
CLEC17A	CLEC17A	7.291747321	12.32470668	0	21.57672195
RPL18A	RPL18A	14820.99727	16936.78799		17972.53928
18371.59798					
NIPSNAP1	NIPSNAP1		2440.651996		2945.604897
2363.927489	3989.732041				
UBE2G2	UBE2G2	8808.430764	6053.191652		8099.79683
7849.02299					
ARF5	ARF5	5785.48066	5922.901896		4807.024247
5480.487375					
SAE1	SAE1	22037.74376	17065.31707		12083.9067
15348.89539					
GGA3	GGA3	2256.274957	3547.754851		3183.496689
2926.588105					
MYL5	MYL5	101.0427843	102.9993344		102.5855325
116.7104506					
RABGAP1	RABGAP1	2656.279381	3038.920533		2601.435298
2373.439415					
NUSAP1	NUSAP1	15838.71686	15079.27862		8424.279329
10839.3605					
LIMA1	LIMA1	5530.269504	3125.19348		3250.400297
3264.950335					
SLC04A1	SLC04A1	6989.660646	4885.865862		1885.56669
3440.506391					
TMPRSS5	TMPRSS5	3.125034566	12.32470668	0	3.923040355
SMC4	SMC4	11153.24837	12481.40652		5706.877777
7877.465032					
SPACA5B	SPACA5B	0	1.115060136	0	
OLFM1	OLFM1	52.08390943	10.5640343		6.690360818
3.923040355					
ACVR1C	ACVR1C	22.91692015	29.05109432		161.6837198
34.3266031					
CXorf40A	CXorf40A		1781.269703		1049.36074
1200.919767	1048.432535				
UPF2	UPF2	1932.31304	2081.114757		2220.084731
1805.579323					
MIR3155A	MIR3155A		3.125034566		0.880336191
7.805420954	2.942280266				
MIR3074	MIR3074	0	1.760672383	1.115060136	0.980760089
TPO	TPO	32.29202385	29.93143051	0	3.923040355
AZI2	AZI2	2795.864258	2332.010571		3180.151509
2180.229677					
HS1BP3	HS1BP3	638.5487297	904.1052686		686.8770439
654.1669791					
RFESD	RFESD	296.8782838	303.715986		256.4638313
391.3232754					
SNURF	SNURF	4613.592698	4796.071571		9075.474449
6869.243661					
UTP3	UTP3	454.1716903	869.7721571		730.3643893
741.454627					

ADAMTS17	ADAMTS17	8.33342551	27.29042193	
28.99156354	58.84560532			
USHBP1 USHBP1	8.33342551	6.16235334	0	4.903800443
TSNARE1 TSNARE1	233.3359143	198.0756431	379.1204463	
410.9384772				
NSD1 NSD1	4053.169832	5308.427234	3093.176818	
3424.81423				
TPK1 TPK1	1643.768182	1340.75202	1118.405317	
1144.547023				
ORC5 ORC5	3083.367439	2248.378633	2401.839534	
2351.862693				
TMEM117 TMEM117	80.20922053	94.19597248	130.4620359	
173.5945357				
MIR600HG	MIR600HG	7.291747321	2.641008574	
20.07108245	24.51900222			
GRM1 GRM1	0 0	0	5.884560532	
POLM POLM	840.6342983	785.2598828	1306.85048	
1322.0646				
NUTM1 NUTM1	1.041678189	0.880336191	0	0
ANLN ANLN	4753.177575	5414.947914	2904.731655	
3508.178837				
SUSD3 SUSD3	2396.901512	2314.403847	1691.546227	
2220.440841				
ST6GALNAC6	ST6GALNAC6	4434.424049	3536.310481	
3075.335856	3887.732991			
RABGEF1 RABGEF1	2725.030142	2626.042859	3011.777428	
2789.281692				
CBLL1 CBLL1	4414.632164	5003.830912	5500.591652	
5281.393077				
SNORA45A	SNORA45A	38.54209298	36.97412004	
25.64638313	36.28812328			
TTC25 TTC25	26.04195472	7.923025723	26.76144327	
19.61520177				
MRVI1-AS1	MRVI1-AS1	2.083356377	2.641008574	0
2.942280266				
CBR3-AS1	CBR3-AS1	936.4686916	692.8245827	
619.9734358	595.3213738			
SNHG1 SNHG1	821.8840909	1065.206792	1188.654105	
1044.509494				
LINC00963	LINC00963	998.969383	1003.583258	
1101.679415	1670.234431			
RTN4R RTN4R	102.0844625	80.11059342	74.70902913	
152.0178137				
PAPOLG PAPOLG	2283.35859	2467.582345	3074.220796	
2687.282643				
MRPS36 MRPS36	3041.700311	3275.730968	2463.167841	
2283.209486				
DCLRE1C DCLRE1C	2925.032354	2607.555799	2785.42022	
2561.745352				
AJUBA AJUBA	15.62517283	58.98252483	60.21324736	

63.74940576				
THYN1 THYN1	4215.67163	4055.708834	3759.982779	
3989.732041				
NDUF4F4 NDUFAF4	2120.856792	1949.944664	2464.282901	
2014.481222				
UBE2R2 UBE2R2	2108.356654	3019.553137	1890.026931	
2232.209962				
H00K1 H00K1	158.3350847	201.5969878	773.8517346	
761.0698288				
CCDC183-AS1	CCDC183-AS1	67.70908227	88.91395534	
157.2234792	100.037529			
DCTN5 DCTN5	7439.665624	7272.457277	5026.691094	
6466.151265				
LRSAM1 LRSAM1	1173.971319	1152.360075	842.985463	
1335.795241				
ARL2-SNX15	ARL2-SNX15	1844.812072	2420.924526	
2152.066063	2470.534663			
PLAUR PLAUR	554.1727964	493.8686034	307.7565976	
491.3608044				
TMX2-CTNND1	TMX2-CTNND1	1946.896535	1302.017227	
2027.179328	1778.118041			
CCNH CCNH	4321.922805	3987.042611	3177.921388	
3568.005203				
DDX3X DDX3X	51003.68915	35557.65911	51126.62231	
35952.70333				
NDST3 NDST3	0 4.401680957 0	0	0	
0AZ1 0AZ1	34375.38023	29072.22239	29280.36412	
27328.87987				
NGDN NGDN	4225.046733	2626.042859	5341.138053	
3750.426579				
CCND2 CCND2	93868.74662	59186.76282	57618.50242	
33100.65299				
B4GALT6 B4GALT6	13.54181645	60.74319721	14.49578177	
26.48052239				
ARL6IP4 ARL6IP4	7355.28969	7493.421662	4997.699531	
6284.710648				
CASC3 CASC3	6778.199974	7931.829085	9204.821425	
7144.837246				
RYR3 RYR3	66.66740408	39.61512861	22.30120273	
36.28812328				
RFC3 RFC3	5642.770748	5988.046774	4173.67009	
4993.049611				
NSF NSF	4555.258719	3465.883586	3425.464739	
4063.289047				
CDH17 CDH17	0 0	1.115060136	0	
ATP5A1 ATP5A1	59078.77847	44854.88963	38323.50182	
42549.29569				
SAMD4A SAMD4A	17.70852921	10.5640343	53.52288654	
25.49976231				
TEX10 TEX10	3239.619167	2957.929603	3046.344292	

3453.256272					
POC1A	POC1A	3197.952039	2583.786722	1224.33603	
1933.078135					
SGSM1	SGSM1	26.04195472	35.21344766	5.575300681	
51.9802847					
NAT10	NAT10	10486.57433	8291.006251	10133.66652	
10004.73366					
STAU2	STAU2	2777.114051	2798.588753	1441.772756	
2036.057944					
AGPAT9	AGPAT9	3525.038991	1059.924774	971.2173787	
850.3189969					
ARFGAP2	ARFGAP2	8530.302687	5974.841731	7552.302303	
7094.818481					
CACNA1E	CACNA1E	0	0	2.942280266	
P2RX5	P2RX5	5381.309523	4727.405348	1598.996235	
2474.457704					
ARNT	ARNT	3946.918657	4299.561959	3678.58339	
3971.097599					
TSPAN15	TSPAN15	153.1266937	101.238662	68.01866831	
152.9985738					
ASZ1	ASZ1	0	0	2.230120273	0
CTDSP2	CTDSP2	2030.23079	5754.757683	4113.456843	
2748.089768					
TFEB	TFEB	570.8396474	537.0050768	679.071623	
563.937051					
AXIN1	AXIN1	255.2111562	336.2884251	422.6077916	
305.0163876					
RBBP7	RBBP7	20622.1031	17780.15006	14214.78662	
17225.08944					
VIPR2	VIPR2	31.25034566	18.48706002	3.345180409	
26.48052239					
P2RY1	P2RY1	16.66685102	92.4353001	0	44.13420399
LILRA2	LILRA2	0	3.521344766	0	0.980760089
NFU1	NFU1	2067.731205	1630.382627	2129.76486	
2079.211388					
TMEM138	TMEM138	2992.741436	2197.319134	3009.547308	
2315.574569					
NUP62	NUP62	11629.2953	9808.705845	10169.34844	
10753.05361					
GOLM1	GOLM1	541.6726581	454.2534748	363.5096044	
331.49691					
PKN2-AS1	PKN2-AS1		14.58349464	10.5640343	0
2.942280266					
RPGR	RPGR	612.506775	470.9798624	664.5758412	
583.5522528					
CUTA	CUTA	0	3.521344766	1.115060136	0.980760089
XAB2	XAB2	381.2542171	1173.488143	597.672233	
461.9380018					
SORCS2	SORCS2	0	7.042689532	0	0
IL24	IL24	162.5017974	278.1862365	352.3590031	

532.5527281					
PRDX3 PRDX3	38648.34416	30916.52671	21917.62204		
24626.88583					
AP3M2 AP3M2	3016.700034	2497.513775	2309.289542		
3000.145111					
TGOLN2 TGOLN2	10162.61241	11103.68038	11211.92967		
11918.1966					
KIF2C KIF2C	11388.66764	9302.512535	5545.194058		
6789.802094					
RALBP1 RALBP1	2383.359696	2408.59982	2223.429912		
2235.152242					
MIDN MIDN	367.7124006	955.1647677	308.8716577		
519.802847					
P2RY13 P2RY13	1.041678189	0 0	0		
CD151 CD151	1000.011061	1271.20546	939.9956949		
783.6273108					
TAS2R20 TAS2R20	42.70880574	32.57243908	52.4078264		
53.94180488					
TAS2R50 TAS2R50	0 1.760672383	0	0		
TAS2R19 TAS2R19	6.250069132	6.16235334	13.38072164		
21.57672195					
TAS2R46 TAS2R46	0 1.760672383	0	0		
TAS2R31 TAS2R31	3.125034566	3.521344766	3.345180409		
0.980760089					
TAS2R43 TAS2R43	1.041678189	11.44437049	5.575300681		
12.74988115					
ESYT1 ESYT1	46833.85136	44601.3528	19241.47771		
27092.51669					
ARHGAP40	ARHGAP40	0 0	0 4.903800443		
PPM1M PPM1M	3314.619996	3059.168265	2415.220255		
3543.4862					
EPS15 EPS15	4467.757751	6615.726479	4412.292959		
4867.51232					
ARHGEF7 ARHGEF7	1892.729269	3308.303407	2235.695573		
2368.535614					
ATP6V1F ATP6V1F	5722.979969	4747.65308	4825.98027		
4326.132751					
CAPN1 CAPN1	8646.970644	8505.808282	5119.241086		
6714.283567					
SERF2 SERF2	21462.7374	26208.48876	18193.32118		
19654.43218					
FAM209B FAM209B	46.87551849	19.36739621	23.41626286		
21.57672195					
C1orf100	C1orf100	0 0.880336191	0 0		
DCUN1D2 DCUN1D2	270.8363291	289.630607	344.5535821		
245.1900222					
SLC3A2 SLC3A2	20990.85718	16466.68846	37428.10853		
20376.2716					
ZNF682 ZNF682	167.7101884	191.9132897	366.8547848		
289.3242262					

PSMB5	PSMB5	11405.33449	7481.977291	9818.1045
8969.051011				
ELOVL6	ELOVL6	200.0022122	493.8686034	160.5686596
209.882659				
LEF1	LEF1	5649.020817	7433.5588	17267.82127
16646.44098				
TTC13	TTC13	1553.142179	1479.845138	795.0378772
1143.566263				
RPL22L1	RPL22L1	820.8424127	1217.504953	932.1902739
1285.776476				
ARHGEF3	ARHGEF3	8543.844504	3417.465095	17140.70441
10202.8472				
MGA	MGA	1619.809583	2871.656656	2988.361165
2401.881457				
LRRN3	LRRN3	14580.36961	7124.560797	8465.536555
6402.401859				
FAM86C1	FAM86C1	308.3367439	225.366065	401.4216491
453.111161				
SMARCD2	SMARCD2	11102.20614	9788.458113	8230.258866
9313.297802				
PANK4	PANK4	3158.368268	3023.074481	2173.252206
2454.842502				
NGFRAP1	NGFRAP1	507.2972779	829.2766923	961.1818375
1223.007831				
LRR1	LRR1	4712.552126	4023.136395	3187.95693
3003.087392				
TSPAN13	TSPAN13	350.0038714	388.2282604	202.9409448
265.785984				
VOPP1	VOPP1	3828.167343	4192.160944	2205.58895
3670.985012				
TDRD3	TDRD3	376.0458261	474.5012072	352.3590031
297.1703069				
CARF	CARF	230.2108797	311.6390118	375.7752659
418.7845579				
UQCRB	UQCRB	5846.939673	6695.837072	4669.871851
3956.386198				
RGS5	RGS5	282.2947891	176.0672383	306.6415375
216.7479796				
RND3	RND3	1.041678189	0	0
H3F3C	H3F3C	5.208390943	7.923025723	6.690360818
19.61520177				
SMC03	SMC03	8.33342551	1.760672383	0
SLC14A2	SLC14A2	21.87524196	26.41008574	10.78836098
5.884560532				59.09818722
CD82	CD82	21334.61098	17820.64552	10290.89
17553.64407				
DCDC2	DCDC2	1.041678189	0	3.923040355
FAM149A	FAM149A	17.70852921	24.64941336	30.10662368
34.3266031				
KIAA1429	KIAA1429		1507.308339	3865.556217

2274.722678	3716.099976			
NPIPA1 NPIPA1	35.41705842	60.74319721	117.0813143	
50.01876452				
WDR45 WDR45	3040.658633	2770.417994	2284.758219	
2627.456278				
MITF MITF	7.291747321	11.44437049	2.230120273	
1.961520177				
DIAPH3 DIAPH3	1513.558408	1920.013234	914.3493117	
1126.893342				
CATSPER2	CATSPER2	25.00027653	33.45277527	
39.02710477	50.01876452			
ZMYM2 ZMYM2	1682.310275	2769.537658	2127.53474	
2373.439415				
HRH4 HRH4	8.33342551	66.02521436	3.345180409	
84.34536763				
PRR5L PRR5L	944.8021171	459.5354919	573.14091	
290.3049862				
RAD1 RAD1	3368.787262	3023.074481	3261.550899	
2787.320172				
DHFR DHFR	5891.731835	6435.257559	3449.996062	
5132.317544				
RNF145 RNF145	1277.097459	4497.637602	2072.896793	
1845.790487				
FBLN2 FBLN2	3.125034566	0.880336191	28.99156354	
1.961520177				
POGLUT1 POGLUT1	2639.61253	1953.466009	2065.091372	
2013.500462				
AMPD2 AMPD2	3658.373799	3030.117171	3442.190641	
4504.631087				
IFT20 IFT20	880.2180694	873.2935019	962.2968976	
901.3185215				
RAB42 RAB42	1.041678189	3.521344766	0 0	
SLC8A3 SLC8A3	3.125034566	0 0	1.961520177	
DENND2C DENND2C	25.00027653	23.76907717	39.02710477	
58.84560532				
KNG1 KNG1	7.291747321	2.641008574	13.38072164	
4.903800443				
SIKE1 SIKE1	2962.532769	3266.927606	3474.527385	
3505.236557				
KCNE1 KCNE1	0 0	1.115060136	0	
MRO MRO	0 0.880336191	0	0	
DYNC1I1 DYNC1I1	0 0	16.72590204	4.903800443	
FKTN FKTN	703.1327774	762.3711418	828.4896812	
629.6479769				
ITGA2 ITGA2	408.33785	1037.036034	115.9662542	
252.0553428				
SERAC1 SERAC1	1547.933788	1176.129152	1055.961949	
786.5695911				
SFXN2 SFXN2	1988.563662	1857.509364	848.5607637	
1346.583602				

SREK1IP1	SREK1IP1	951.0521863	1190.214531	
895.3932894	869.9341986			
RELL2	RELL2	748.9666177	798.4649256	713.6384872
831.6845552				
AP5B1	AP5B1	1960.438351	2393.634105	2062.861252
2303.805448				
RABL3	RABL3	3590.664716	2990.502042	2737.472635
3337.526582				
FAM126B	FAM126B	2351.067672	2514.240163	3027.38827
2416.592858				
LIMK1	LIMK1	156.2517283	573.0988606	171.719261
230.4786208				
DMBT1	DMBT1	0	1.760672383	0
CLDN4	CLDN4	0	0	1.115060136
CCR1	CCR1	2572.945126	1078.411835	344.5535821
593.3598536				
CPD	CPD	2287.525302	4276.673218	2308.174482
3352.237983				
CDC42BPB	CDC42BPB		63.54236951	44.01680957
112.6210738	83.36460754			
CFC1	CFC1	0	0	0.980760089
ARHGAP24	ARHGAP24		0	4.401680957
				4.460240545
	7.846080709			
SRSF11	SRSF11	8266.758106	7463.490231	6891.071642
7372.373587				
THY1	THY1	30.20866747	19.36739621	94.78011158
160.8446545				
PPP1CA	PPP1CA	37778.54287	27574.77052	20140.21618
24310.10032				
SLC22A15	SLC22A15		13.54181645	17.60672383
	43.1534439			0
TP73	TP73	123.9597045	357.4164937	53.52288654
153.9793339				
KIAA0586	KIAA0586		1443.76597	1805.569529
1942.434757	1948.770296			
NT5C1B	NT5C1B	40.62544936	21.12806859	55.75300681
46.09572417				
TBC1D15	TBC1D15	3668.790581	3976.478577	4378.841155
4612.514697				
ALDH2	ALDH2	4.166712755	22.00840479	55.75300681
17.6536816				
STMN2	STMN2	0	0	3.345180409
ZNF609	ZNF609	430.2130919	946.3614058	432.6433329
506.0722058				
DFNA5	DFNA5	172.9185793	192.7936259	227.4722678
384.4579548				
ZNF319	ZNF319	298.9616402	597.748274	606.5927141
523.7258873				
FIGN	FIGN	0	0	0.980760089
TNFRSF21	TNFRSF21		8.33342551	36.09378385

107.0457731	77.480047			
ZFAND2B ZFAND2B	2196.8993	1835.500959	2291.44858	
1912.482173				
ST3GAL4 ST3GAL4	365.6290442	419.0400271	311.101778	
355.0351521				
FLJ20021	FLJ20021	59.37565676	92.4353001	
64.6734879	41.19192372			
MIR18A MIR18A	0 3.521344766	0	0	
MIR17 MIR17	1.041678189	2.641008574	0 0	
C17orf62	C17orf62	11707.42116	10512.09446	
7877.899863	10458.82559			
MURC MURC	4.166712755	4.401680957	7.805420954	
2.942280266				
CYP2W1 CYP2W1	0 0	2.230120273	0.980760089	
CHD7 CHD7	1552.100501	2020.371559	2888.005753	
2692.186443				
CCDC146 CCDC146	86.45928966	54.58084387	206.2861252	
52.96104479				
CCT3 CCT3	36042.06533	24221.56997	28601.2925	
28537.1763				
FBXW11 FBXW11	2598.987081	4278.43389	3709.805073	
3716.099976				
BC01 BC01	1.041678189	0.880336191	0 0	
SPA17 SPA17	170.8352229	205.9986688	157.2234792	
177.517576				
MYEOV MYEOV	1.041678189	0.880336191	0 2.942280266	
CDC42EP3	CDC42EP3	1210.430055	1509.776568	
2385.113631	2452.880982			
DAAM1 DAAM1	792.7171016	1295.854874	711.4083669	
407.0154368				
ADNP2 ADNP2	1322.9313	1790.603813	1255.557713	
1242.623032				
EDRF1 EDRF1	2401.068225	2538.00924	2439.751578	
2456.804022				
JADE2 JADE2	1218.763481	1478.964802	2622.62144	
1608.446545				
GPR150 GPR150	4.166712755	16.72638764	10.03554123	
29.42280266				
SNX25 SNX25	858.3428275	1504.494551	909.8890712	
1547.63942				
ZNF681 ZNF681	216.6690632	239.4514441	408.1120099	
446.2458403				
NUP35 NUP35	2759.405522	2295.036451	2127.53474	
2200.825639				
IL17D IL17D	12.50013826	9.683698106	37.91204463	
19.61520177				
SYNGR1 SYNGR1	11.45846008	7.042689532	72.47890886	
12.74988115				
TTC7A TTC7A	10775.11918	11822.03471	6856.504778	
8410.99852				

IFT43	IFT43	296.8782838	304.5963222	375.7752659
418.7845579				
TRPT1	TRPT1	1978.14688	2024.77324	1508.676364
2001.731341				
ERBB2	ERBB2	127.084739	125.8880754	266.4993726
294.2280266				
PRNP	PRNP	6692.782362	6366.591336	9056.518427
8404.1332				
COPZ1	COPZ1	9059.475207	7394.824008	7367.20232
6990.857912				
GDAP2	GDAP2	2285.441946	1843.423985	2372.84797
1675.138231				
CCDC126	CCDC126	685.4242482	607.4319721	973.447499
920.9337233				
DTNB	DTNB	976.0524628	1145.317385	1105.024595
1121.008781				
CIDEC	CIDEC	4.166712755	0	2.942280266
B3GNT7	B3GNT7	0	1.760672383	0
DDX50	DDX50	2905.240468	2496.633439	3073.105736
3811.233705				
METRN	METRN	315.6284912	445.4501129	448.2541748
481.5532035				
SCNM1	SCNM1	3121.909532	2480.787387	2440.866638
2505.842027				
ZNF311	ZNF311	0	1.760672383	1.115060136
RAB12	RAB12	38.54209298	50.17916291	93.66505145
45.11496408				
C3orf70	C3orf70	0	2.641008574	0
CAB39	CAB39	22986.71259	19303.13167	16449.36713
14359.30846				
TEAD1	TEAD1	1.041678189	15.84605145	1.115060136
29.42280266				
C1QL1	C1QL1	5.208390943	5.282017149	14.49578177
3.923040355				
ETV5	ETV5	21.87524196	44.89714576	11.15060136
49.03800443				
FXYS5	FXYS5	10840.74491	8845.618052	7712.870963
9633.025591				
FAM26F	FAM26F	301.0449965	112.6830325	352.3590031
215.7672195				
MUC21	MUC21	1.041678189	0	0
GRIA4	GRIA4	0	0.880336191	0
KANK2	KANK2	107.2928534	143.4947992	32.33674395
67.67244612				
ISOC2	ISOC2	1298.972701	1708.732548	1028.085446
1136.700943				
ECSCR	ECSCR	33.33370204	57.22185244	16.72590204
36.28812328				
PTGER4	PTGER4	7005.285819	6388.599741	5668.965733
8766.033673				

SULT1A1	SULT1A1	343.7538023	397.0316223	154.9933589	
423.6883583					
SULT1A2	SULT1A2	6.250069132	5.282017149	8.92048109	
5.884560532					
LOC100128770	LOC100128770		4.166712755	4.401680957	0
2.942280266					
KIAA1217	KIAA1217		244.7943743	508.8343187	
88.08975076	376.611874				
CAMTA1	CAMTA1	1242.722079	1483.366483	1403.860712	
1530.966498					
MKRN9P	MKRN9P	0	0	1.115060136	0
FBXW4P1	FBXW4P1	26.04195472	38.73479242	44.60240545	
41.19192372					
TYW3	TYW3	2589.611977	1625.980946	2101.888357	
1778.118041					
PDHB	PDHB	9343.853353	7931.829085	5991.218112	
7068.337959					
CTPS1	CTPS1	13739.73531	8704.764261	9304.061777	
9093.607542					
POU5F1P3	POU5F1P3		2.083356377	0	4.460240545
1.961520177					
UHRF1	UHRF1	16378.30616	15959.61481	11083.69775	
14486.80727					
NONO	NONO	27280.51008	21782.15838	22856.50267	
23667.70246					
LOC101928358	LOC101928358		0	4.401680957	0
SFTPD	SFTPD	1.041678189	0.880336191	0	2.942280266
APC	APC	998.969383	1298.495882	1650.289002	
1486.832294					
SHROOM1	SHROOM1	76.04250777	36.09378385	2.230120273	
22.55748204					
FOLH1	FOLH1	0	0	1.961520177	
PPM1F	PPM1F	894.8015641	1178.77016	1035.890867	
1223.007831					
DSCR3	DSCR3	5831.3145	4561.902144	6265.522906	
5469.699015					
ADAMTS10	ADAMTS10		5.208390943	51.93983529	
7.805420954	65.71092594				
ARHGAP11A	ARHGAP11A		8390.71781	7570.01091	
4218.272495	4910.665764				
LINC00189	LINC00189		0	0	2.942280266
TNFRSF14	TNFRSF14		3620.873384	3263.406262	
2777.614799	3723.946057				
RB1CC1	RB1CC1	3309.411605	3140.159195	4732.315218	
3836.733467					
CLCN1	CLCN1	5.208390943	0.880336191	0	8.826840798
IL1B	IL1B	3.125034566	2.641008574	0	12.74988115
AGA	AGA	1740.644253	1333.70933	1420.586614	
1276.949635					
CTSG	CTSG	0	1.760672383	0	2.942280266

ZNF133	ZNF133	559.3811873	389.1085966	566.4505492
530.591208				
CCL4L1	CCL4L1	1.041678189	10.5640343	7.805420954
9.807600887				
CHIC2	CHIC2	1348.973254	876.8148467	1509.791425
1278.911156				
HAVCR1	HAVCR1	25.00027653	74.82857627	46.83252572
40.21116364				
RSPRY1	RSPRY1	3008.366609	2714.956814	3162.310546
2646.090719				
MED22	MED22	2443.777031	2366.343683	2369.50279
2678.455802				
ZFYVE27	ZFYVE27	2155.232172	1764.193728	2000.417884
2438.16958				
CGB5	CGB5	0	0	0.980760089
TDP2	TDP2	3639.623591	3246.679874	2885.775633
2872.6463				
ACTR6	ACTR6	2839.614742	2238.694935	2491.044344
2780.454851				
ABCG1	ABCG1	473.9635759	588.0645759	343.438522
881.7033197				
STXBP5L	STXBP5L	2.083356377	9.683698106	0
TICAM1	TICAM1	1397.932129	1964.030043	0.980760089
1125.095677				
1315.199279				
ERG	ERG	0	0	6.865320621
MMP24-AS1	MMP24-AS1	177.2945617	155.2100501	448.9714576
166.7292151				
EDA	EDA	6.250069132	0.880336191	200.7108245
24.51900222				
KRT7	KRT7	426.0463792	60.74319721	141.6126373
72.57624656				
TMEM189-UBE2V1	TMEM189-UBE2V1	11911.07238	16883.52008	13627.60424
13641.39207				
DNMT3A	DNMT3A	1370.848496	1734.262297	1742.838993
2561.745352				
HSD17B4	HSD17B4	2653.154347	2736.084883	2186.632927
2771.628011				
NLRC4	NLRC4	26.04195472	101.238662	28.99156354
33.34584301				
NUP153	NUP153	1494.808201	4039.862783	1834.273924
1458.390252				
NR1H4	NR1H4	0	2.230120273	0
KIR3DX1	KIR3DX1	0	20.2477324	5.575300681
17.6536816				
SNRNP35	SNRNP35	1865.645636	1573.160774	1383.789629
1494.678375				
SYNGAP1	SYNGAP1	1.041678189	9.683698106	2.230120273
3.923040355				
RUNDC1	RUNDC1	1882.312487	1443.751354	1708.272129
1857.559608				
MYB	MYB	5575.061666	6843.733552	2600.320238

3197.277889					
LANCL3	LANCL3	32.29202385	12.32470668	25.64638313	
3.923040355					
ALG1L	ALG1L	15.62517283	15.84605145	21.18614259	
26.48052239					
KRBOX4	KRBOX4	917.7184842	743.0037456	1120.635437	
783.6273108					
CSPG5	CSPG5	9.375103698	16.72638764	10.03554123	
23.53824213					
RAB35	RAB35	1605.226089	3294.218028	1518.711906	
1538.812579					
CTSA	CTSA	7767.794253	6111.293841	7817.686615	
7839.215389					
AURKA	AURKA	12585.55588	9323.640604	6074.847622	
7013.415394					
CUL3	CUL3	7272.997113	6250.386959	7580.178806	
6570.111834					
CUL4A	CUL4A	12120.9674	9473.297756	8070.805266	
9156.376188					
BRPF1	BRPF1	3666.707224	3756.394529	3716.495434	
3466.986913					
CARM1	CARM1	148.959981	504.4326377	189.5602232	
195.1712576					
RASGRP3	RASGRP3	2069.814561	1408.537906	2410.760015	
643.3786182					
CXADRP2	CXADRP2	0	0	0.980760089	
INIP	INIP	2885.448583	2722.87984	2954.909361	
3009.952712					
ZNF71	ZNF71	669.7990753	646.1667645	938.8806347	
669.8591406					
SLC22A16	SLC22A16		0	0.880336191	0
WRNIP1	WRNIP1	5363.600994	3988.803283	4605.198363	0
5186.259349					
RPL13A	RPL13A	17975.19882	18851.5192	29230.18641	
24037.44901					
NET1	NET1	3170.868406	4678.986857	1804.1673	
1891.886211					
ADORA3	ADORA3	20.83356377	17.60672383	47.94758586	
20.59596186					
ABAT	ABAT	1430.224153	844.2424076	701.3728257	
621.8018962					
RSRP1	RSRP1	2406.276616	2074.072067	2370.61785	
2508.784307					
HLA-DRA	HLA-DRA	881.2597476	2793.306735	202.9409448	
556.0909703					
RARG	RARG	941.6770826	1155.001083	1069.342671	
1311.276239					
IL18	IL18	6.250069132	2.641008574	0	9.807600887
CFL2	CFL2	307.2950657	435.7664148	607.7077743	
450.1688807					

ABHD2	ABHD2	3242.744201	4330.373726	2586.939516
2505.842027				
SLU7	SLU7	5257.349818	4555.739791	6632.377691
5634.466709				
C10orf12	C10orf12		502.088887	740.362737
778.3119751		544.3218492		
PLEKHJ1	PLEKHJ1	4350.048116	3435.952155	3082.026217
3419.910429				
TLE6	TLE6	2.083356377	36.97412004	10.03554123
36.28812328				
CAST	CAST	3391.704182	3815.377054	4371.035734
3632.735368				
ZMIZ1	ZMIZ1	1118.762375	2442.932931	1059.307129
1053.336335				
TOB1	TOB1	989.5942793	3092.621041	1169.698083
1999.769821				
YAF2	YAF2	487.5053923	624.1583597	459.4047761
500.1876452				
NAMPT	NAMPT	14226.19902	14139.07957	13270.33068
20022.21721				
RBM5	RBM5	5842.77296	4940.446706	5967.801849
5762.946281				
LSM6	LSM6	2483.360802	2522.163188	2402.954594
2231.229202				
CTDP1	CTDP1	3329.203491	5245.043029	3137.779223
5046.010656				
DYNC2H1	DYNC2H1	31.25034566	73.94824008	51.29276627
87.28764789				
LYRM4	LYRM4	1566.683996	1996.602482	1584.500454
1820.290725				
RNF32	RNF32	101.0427843	125.0077392	94.78011158
81.40308736				
BLCAP	BLCAP	1785.436415	1352.19639	2812.181664
1629.042507				
HIST1H4A	HIST1H4A		9.375103698	36.97412004
15.61084191		11.76912106		
NAP1L1	NAP1L1	9325.103145	7806.821346	9586.171991
8492.401608				
MAP3K3	MAP3K3	3150.034843	4116.452031	4073.314678
4098.596411				
C1orf127	C1orf127		0	2.641008574
0.980760089				0
TATDN3	TATDN3	1634.393078	1343.393028	1218.760729
1074.913057				
NUP50-AS1	NUP50-AS1		298.9616402	252.6564869
260.9240719		223.6133002		
LOC100507564	LOC100507564		26.04195472	35.21344766
35.68192436		31.38432284		
MTA1	MTA1	268.7529727	1186.693186	330.0578003
361.9004727				

GAREML GAREML	221.8774542	268.5025384	296.6059962	
386.4194749				
TRIP13 TRIP13	7657.376365	5681.68978	3648.476766	
4395.766717				
MAP3K2 MAP3K2	4716.718838	5278.495804	5632.168748	
4492.861966				
MGC72080	MGC72080	1266.680677	1515.058585	
1097.219174	1393.660086			
LOC400927	LOC400927	92.70935879	145.2554716	
59.09818722	145.1524931			
MRPS31P5	MRPS31P5	227.0858451	293.1519517	
442.6788741	318.7470288			
TPTE2P6 TPTE2P6	4.166712755	7.923025723	7.805420954	
4.903800443				
ZC3HC1 ZC3HC1	3266.7028	2169.148376	2194.438348	
2436.20806				
PAPD4 PAPD4	4581.300674	4340.93776	5100.285063	
4524.246289				
DDHD2 DDHD2	2985.449689	2679.743367	3205.797892	
3481.698315				
FKBP11 FKBP11	1688.560344	1455.195724	2811.066604	
2525.457228				
CCDC120 CCDC120	19.79188559	163.7425316	65.78854804	
40.21116364				
SLC2A11 SLC2A11	94.79271517	127.6487478	258.6939516	
124.5565313				
POM121L1P	POM121L1P	0 0	2.230120273	0
IL3RA IL3RA	0 0	0 0.980760089		
MAGED2 MAGED2	3435.454666	3472.926275	9106.696133	
5713.908277				
COPE COPE	15297.0442	14321.30916	10299.81048	
11192.43413				
ACSL1 ACSL1	3897.959782	2403.317803	3046.344292	
2488.188345				
ZFP64 ZFP64	992.7193138	849.5244247	977.9077395	
825.7999947				
SOCS4 SOCS4	1523.97519	1706.091539	1213.185428	
1312.256999				
POLQ POLQ	2872.948444	4058.349843	1526.517327	
2273.401886				
SS18L1 SS18L1	203.1272468	261.4598489	71.36384872	
219.6902599				
PYHIN1 PYHIN1	2478.152411	2395.394777	2506.655186	
2309.690009				
GINS4 GINS4	1894.812625	2032.696266	1117.290257	
1582.946783				
CAPRIN1 CAPRIN1	27155.5087	26485.79466	22893.29966	
25024.09366				
DDI2 DDI2	1426.05744	1280.889159	1324.691442	
1113.162701				

ZNF438	ZNF438	510.4223125	466.5781815	483.9360991
547.2641295				
MCM10	MCM10	7932.379407	7400.106025	3942.852642
5563.851983				
ZNF845	ZNF845	1162.512859	1291.453193	2046.13535
1737.906877				
PCED1B	PCED1B	2865.656697	2596.991765	4582.89716
4027.000924				
FAM57A	FAM57A	320.8368821	309.8783394	356.8192436
718.897145				
RNF39	RNF39	177.0852921	113.5633687	226.3572077
139.2679326				
H2AFB3	H2AFB3	0	0.880336191	0
2.942280266				
DPEP2	DPEP2	152.0850156	208.6396774	510.6975424
353.0736319				
OSGEPL1	OSGEPL1	735.4248012	547.5691111	806.1884785
938.5874049				
C10orf54	C10orf54		5526.102791	5188.701512
6365.878318	8816.052437			
NECAB1	NECAB1	57.29230038	156.6998421	189.5602232
161.8254146				
CALML4	CALML4	415.6295973	487.7062501	220.781907
309.920188				
RAD51D	RAD51D	1981.271915	2059.106352	1344.762524
1741.829917				
BTNL8	BTNL8	39.58377117	17.60672383	0
41.19192372				
CRELD2	CRELD2	4853.178681	3181.534996	2958.254542
3091.355799				
SEMA3B	SEMA3B	0	6.16235334	4.460240545
2.942280266				
PQBP1	PQBP1	3710.457708	2713.196142	3583.803278
3054.086916				
PTBP2	PTBP2	452.0883339	463.9371729	880.8975076
467.8225623				
CD5	CD5	12293.88598	9953.08098	14128.92699
19182.68657				
ZNHIT2	ZNHIT2	613.5484531	512.3556634	873.0920867
748.3199477				
AP2A1	AP2A1	791.6754234	1856.629028	774.9667947
902.2992816				
UBE2Q2P2	UBE2Q2P2		5.208390943	0.880336191
2.230120273	1.961520177			
SNORD93	SNORD93	0	0	1.115060136
0.980760089				
SNORD92	SNORD92	3.125034566	2.641008574	0
0				
LOC644936	LOC644936		3.125034566	4.401680957
1.115060136	0.980760089			
RDH11	RDH11	3968.793899	3943.906138	4383.301396
5083.27954				
RGS12	RGS12	48.95887487	127.6487478	160.5686596
153.9793339				
SNORA24	SNORA24	39.58377117	23.76907717	11.15060136

41.19192372						
SNORD67	SNORD67	5.208390943	4.401680957	13.38072164		
2.942280266						
SNORD65	SNORD65	17.70852921	5.282017149	17.84096218		
7.846080709						
SNORA11	SNORA11	6.250069132	0	8.92048109	3.923040355	
NISCH	NISCH	2162.52392	2818.836485	2566.868434		
2746.128248						
SNORD59B	SNORD59B		42.70880574	37.85445623		
51.29276627		79.44156718				
PAPD7	PAPD7	289.5865365	291.3912794	268.7294928		
339.3429907						
NXT2	NXT2	2069.814561	1753.629693	2012.683546		
1538.812579						
DHTKD1	DHTKD1	2267.733417	2105.76417	1399.400471		
1710.445595						
LSM14B	LSM14B	78.12586415	137.3324459	93.66505145		
88.26840798						
ZC4H2	ZC4H2	561.4645437	727.1576941	855.2511245		
944.4719654						
KLF10	KLF10	2744.822027	2357.540321	4311.937547		
3256.123494						
NPIPB5	NPIPB5	197.9188559	394.3906138	225.2421475		
245.1900222						
SMC2	SMC2	9334.478249	10465.43664	5390.200699		
6890.820383						
MIR6895	MIR6895	1.041678189	0.880336191	3.345180409	0	
MIR8087	MIR8087	0	2.641008574	0		
MIR6894	MIR6894	2.083356377	21.12806859	10.03554123		
9.807600887						
MIR6893	MIR6893	1.041678189	0.880336191	1.115060136	0	
MIR8085	MIR8085	4.166712755	19.36739621	4.460240545		
14.71140133						
MIR6892	MIR6892	22.91692015	30.8117667	18.95602232		
24.51900222						
MIR6891	MIR6891	423.9630228	679.6195398	636.6993378		
1130.816382						
SMAD3	SMAD3	1766.686208	4936.925362	1813.087782		
2513.688107						
POMGNT1	POMGNT1	3764.624974	2737.845555	2831.137686		
3462.083113						
AMBN	AMBN	0	0	1.115060136	0	
ICK	ICK	631.2569824	1091.616877	1136.246279		
769.8966696						
TMEM216	TMEM216	1260.430608	903.2249324	1696.006467		
1121.989541						
HN1	HN1	14169.9484	15294.96099	7228.934863		
8627.7465						
SLC25A1	SLC25A1	2739.613636	3663.078893	3654.052067		
4196.672419						

ADAMTSL4	ADAMTSL4	12.50013826	18.48706002	
20.07108245	1.961520177			
PMS1 PMS1	2496.902618	2166.507367	2136.455221	
2561.745352				
TEX26-AS1	TEX26-AS1	0 0	3.345180409	
2.942280266				
PCK2 PCK2	5027.138939	3867.316889	4510.418251	
4486.977406				
PSMD9 PSMD9	8621.970368	5636.792634	5410.271781	
5215.682152				
DYNLT1 DYNLT1	3746.916445	3405.140388	4789.183285	
4077.019689				
LINC00933	LINC00933	17.70852921	22.00840479	
23.41626286	11.76912106			
TTN-AS1 TTN-AS1	914.5934497	717.473996	877.5523272	
1035.682654				
AK2 AK2	21791.90771	17957.97797	15790.36659	
20143.83146				
ZC3HAV1L	ZC3HAV1L	288.5448583	568.6971797	
202.9409448	277.5551051			
ACY3 ACY3	25.00027653	12.32470668	30.10662368	
7.846080709				
CDKN2AIPNL	CDKN2AIPNL	2265.65006	1769.475745	
1580.040213	1665.330631			
MSANTD3 MSANTD3	422.9213446	492.9882672	385.8108071	
510.9760062				
CCDC34 CCDC34	520.8390943	598.6286102	313.3318983	
352.0928718				
ATP6V1E2	ATP6V1E2	27.08363291	44.89714576	
112.6210738	79.44156718			
ZNF837 ZNF837	150.0016592	154.9391697	331.1728605	
278.5358652				
EFCAB6-AS1	EFCAB6-AS1	2.083356377	0 0 0	
RNASEH2B-AS1	RNASEH2B-AS1	60.41733494	69.54655912	
75.82408927	47.07648426			
SPATA13-AS1	SPATA13-AS1	29.16698928	47.53815434	
91.43493117	53.94180488			
PHKG1 PHKG1	1295.847667	890.0198895	1170.813143	
871.8957188				
C14orf178	C14orf178	311.4617784	235.0497631	
266.4993726	293.2472665			
MY019 MY019	3307.328249	2627.803531	2953.794301	
2808.896894				
RGPD8 RGPD8	301.0449965	225.366065	284.3403347	
280.4973854				
AQP1 AQP1	2.083356377	0 0	0.980760089	
SERPINF2	SERPINF2	0 2.641008574	3.345180409	
	4.903800443			
PSPN PSPN	3.125034566	2.641008574	4.460240545	
4.903800443				

SERPINB9	SERPINB9	4711.510447	3249.320883
8393.057646	7274.297578		
OPRL1 OPRL1	16.66685102	33.45277527	25.64638313
21.57672195			
SGK2 SGK2	0 0.880336191 0		2.942280266
DYNC1I2 DYNC1I2	2700.029865	2398.035785	2479.893743
2350.881933			
DDX21 DDX21	7712.585309	6761.862286	8825.700979
7419.450071			
ADIG ADIG	0 0.880336191 0		0
SRD5A1 SRD5A1	766.6751469	861.8491314	555.2999479
608.071255			
CMSS1 CMSS1	2365.651167	1610.134894	2697.33047
1937.001175			
MFSD10 MFSD10	3840.667482	4421.92869	3380.862333
4983.242011			
ROCK1 ROCK1	6360.48702	7003.954739	6526.446978
6391.613498			
MDGA1 MDGA1	95.83439336	120.6060582	177.2945617
89.24916807			
TEX11 TEX11	9.375103698	12.32470668	6.690360818
6.865320621			
SNRPD3 SNRPD3	8264.674749	8329.741043	7590.214348
7550.871923			
PRKAR2B PRKAR2B	38.54209298	109.1616877	82.51445008
147.1140133			
GPD1 GPD1	6.250069132	0.880336191	0 5.884560532
DNAH6 DNAH6	46.87551849	23.76907717	56.86806695
44.13420399			
MAX MAX	3561.497727	5998.610808	7253.466186
5449.103053			
HOXA9 HOXA9	0 2.641008574 10.03554123 0.980760089		
REPS1 REPS1	3946.918657	3310.06408	3356.33101
3083.509719			
WDR43 WDR43	7779.252713	5371.81144	8910.445549
8025.559806			
CMTM8 CMTM8	132.29313	198.0756431	369.0849051
392.3040355			
ZBTB8A ZBTB8A	25.00027653	37.85445623	0 20.59596186
LILRB4 LILRB4	1.041678189	17.60672383	0 5.884560532
MRFAP1L1	MRFAP1L1	5902.148617	4139.340772
6304.55001	4947.934647		
AASDH AASDH	620.8402005	785.2598828	589.8668121
821.8769543			
LUCAT1 LUCAT1	137.5015209	121.4863944	166.1439603
90.22992816			
LOC100129940	LOC100129940	0 1.760672383 2.230120273	
0			
GPATCH2L	GPATCH2L	1683.351953	1789.723477
1444.002876	1644.734669		

CSPG4	CSPG4	4.166712755	0	12.2656615	4.903800443
HIST1H4F	HIST1H4F	37.91204463	30.20866747	95.07630868	
HIST1H4D	HIST1H4D	16.67292151	26.04195472	33.45277527	
POFUT1	POFUT1	16.72590204	2904.229096	3938.392401	
MDP1	MDP1	3676.869572	915.5496391	766.0463136	
PNP	PNP	968.9909676	7476.695274	5826.189212	
ENPEP	ENPEP	7584.217766	28.17075813	52.4078264	
MAP7	MAP7	2.942280266	223.6053926	97.01023186	
BCLAF1	BCLAF1	242.711018	9258.495725	13100.84154	
SP140	SP140	11119.85789	3844.428148	3181.266569	
MPHOSPH6	MPHOSPH6	3313.98834	3025.03346	2284.472417	
PSME3	PSME3	2342.741346	15875.98288	14804.65343	
RAD51B	RAD51B	19885.63662	567.8168435	706.9481264	
HLA-B	HLA-B	791.4733916	78802.41384	67102.08888	
RANBP9	RANBP9	48367.20166	2545.932266	1232.141451	
SMC1A	SMC1A	1152.393104	15423.49007	14870.44198	
RAPGEF1	RAPGEF1	12437.01868	7245.166856	2603.665418	
SEMA3D	SEMA3D	2442.735353	0	1.961520177	
SCUBE3	SCUBE3	3317.91138	7.042689532	20.07108245	
ZPBP2	ZPBP2	7.291747321	29.05109432	17.84096218	
SYVN1	SYVN1	22.55748204	1264.162771	1121.750497	
ATG9B	ATG9B	927.0935879	352.1344766	670.1511419	
PNPLA1	PNPLA1	775.0085724	0	12.2656615	0
KRBA1	KRBA1	1.041678189	71.30723151	68.01866831	
HPS4	HPS4	22.91692015	2206.122496	2290.33352	
OPTN	OPTN	51.9802847	7291.824674	7257.926427	
ARPC1B	ARPC1B	6150.346516	45828.54145	24310.54109	

40240.58644					
MT1H MT1H	7.291747321	31.69210289	11.15060136		
34.3266031					
CDC123 CDC123	19515.84087	12872.27579	11986.89646		
12815.59208					
BTG1 BTG1	6083.400622	4129.657074	28422.88287		
15364.58755					
SSR4 SSR4	5159.432069	6054.071989	5786.047047		
5476.564335					
SAP30L-AS1	SAP30L-AS1	118.7513135	157.5801783		
146.0728779	95.1337286				
ZNF625 ZNF625	70.83411683	72.1875677	44.60240545		
92.19144833					
LOC100506023	LOC100506023	154.1683719	93.31563629		
138.2674569	136.3256523				
ZNF124 ZNF124	619.7985223	524.6803701	640.0445182		
560.9947707					
CTSH CTSH	7108.41196	9482.981454	3271.58644		
8468.863366					
NCAN NCAN	13.54181645	0.880336191	1.115060136		
1.961520177					
ZFR2 ZFR2	14.58349464	2.641008574	44.60240545		
34.3266031					
PPP3CC PPP3CC	6416.737642	4434.253396	4941.946524		
3953.443917					
ATG16L1 ATG16L1	2893.782008	2291.515106	2602.550358		
2186.114238					
RALGAPA2	RALGAPA2	430.2130919	940.1990525		
1096.104114	938.5874049				
C9orf116	C9orf116	9.375103698	17.60672383		
8.92048109	12.74988115				
ALS2CL ALS2CL	2.083356377	6.16235334	100.3554123		
121.614251					
MTRNR2L6	MTRNR2L6	0	3.521344766	0	0
CYP3A5 CYP3A5	39.58377117	26.41008574	66.90360818		
20.59596186					
CLSPN CLSPN	3774.000078	4377.031544	2208.93413		
2274.382646					
OBSL1 OBSL1	8.33342551	1.760672383	3.345180409		
1.961520177					
TMEM135 TMEM135	1222.930194	1296.73521	780.5420954		
920.9337233					
CNKS2 CNKS2	381.2542171	319.5620375	793.922817		
313.8432284					
ATP5SL ATP5SL	4957.3465	3132.236169	3186.841869		
3297.315418					
SEMA4A SEMA4A	1603.142732	817.8323218	1213.185428		
1451.524931					
RPL37A RPL37A	8408.426339	12738.46469	11492.92482		
10677.53509					

CWC27	CWC27	2567.736735	2115.447868	2019.373907
2132.172433				
CHD8	CHD8	2189.607553	4360.305156	2589.169636
2621.571717				
LOC100129046	LOC100129046	14.58349464	14.96571525	
4.460240545	7.846080709			
TOPORS-AS1	TOPORS-AS1	500.0055306	663.7734883	
663.4607811	620.8211361			
LINC00535	LINC00535	0	0	0
MIR497HG	MIR497HG	8058.422468	8251.391122	2.942280266
5302.110948	5188.220869			
RAB11B-AS1	RAB11B-AS1	531.2558762	679.6195398	
558.6451283	560.9947707			
GDAP1L1	GDAP1L1	0	0.880336191	0
TSC22D3	TSC22D3	1417.724015	750.0464351	2.942280266
2038.019464				4299.671885
TPTE2P5	TPTE2P5	357.2956187	298.4339689	313.3318983
404.0731565				
CLCN5	CLCN5	216.6690632	273.7845555	208.5162455
165.748455				
SLC6A3	SLC6A3	1.041678189	0.880336191	0
TBC1D10B	TBC1D10B	1355.223324	3459.721232	0
1444.002876	1550.5817			
SARM1	SARM1	894.8015641	1280.889159	1067.11255
1142.585503				
NRG2	NRG2	7.291747321	1.760672383	1.115060136
2.942280266				
RBM38	RBM38	12669.93181	9372.059094	11977.97598
11613.18021				
FBX025	FBX025	1411.473946	1272.966133	1574.464912
1356.391203				
PPP3CB	PPP3CB	826.0508036	1314.341934	594.3270526
547.2641295				
B3GNTL1	B3GNTL1	420.8379882	733.3200475	425.9529721
831.6845552				
OXSM	OXSM	1506.266661	1287.051512	1176.388444
1483.890014				
WDR13	WDR13	1862.520601	1382.127821	1360.373366
1496.639895				
NRXN2	NRXN2	0	1.115060136	0
RBM48	RBM48	1826.061865	1307.299244	2002.648005
1664.34987				
WDR54	WDR54	3581.289613	4141.981781	2173.252206
3965.213038				
WDR74	WDR74	4101.087029	2247.498297	4512.648371
3887.732991				
EPHX2	EPHX2	358.3372969	360.0575023	868.6318462
953.2988062				
KLC4	KLC4	290.6282146	415.5186824	578.7162107
452.1304009				

ABHD3	ABHD3	5344.850786	3756.394529	3269.35632	
2502.899746					
POLR3H	POLR3H	9763.649663	7121.919789	7486.513755	
8521.82441					
JOSD2	JOSD2	701.049421	748.2857627	462.7499566	
596.3021339					
ZNF675	ZNF675	1005.219452	1021.189982	1848.769706	
1337.756761					
MAGED4B	MAGED4B	0	0	2.942280266	
RHBDL3	RHBDL3	1.041678189	7.923025723	0	12.74988115
COX14	COX14	3700.040926	3326.790467	3913.861078	
2864.800219					
MFSD5	MFSD5	5003.18034	3212.346763	4262.874901	
3868.11779					
RNF25	RNF25	1735.435862	1138.274696	1816.432962	
1428.967449					
TIGD5	TIGD5	39.58377117	169.0245488	99.24035213	
77.480047					
ACOX1	ACOX1	2736.488602	2893.665061	2072.896793	
2441.111861					
NMD3	NMD3	4880.262314	3518.703757	4445.744763	
4237.864343					
PPP6R3	PPP6R3	6159.44313	6409.72781	5280.924805	
4906.742724					
SUSD2	SUSD2	7.291747321	3.521344766	0	6.865320621
SPRYD7	SPRYD7	825.0091254	443.6894405	651.1951196	
660.0515397					
EEF2	EEF2	10066.77802	18036.32789	12169.76633	
10644.18924					
INTS8	INTS8	6574.031049	5245.923365	4229.423097	
5097.010181					
GNPDA2	GNPDA2	1516.683443	1221.906634	1718.30767	
1401.506167					
PNOC	PNOC	2.083356377	7.923025723	0	38.24964346
ECHDC3	ECHDC3	23.95859834	35.21344766	208.5162455	
159.8638945					
TGS1	TGS1	1897.93766	2000.123827	2250.191355	
2255.748204					
TLCD1	TLCD1	240.6276616	113.5633687	519.6180235	
257.9399033					
NWD2	NWD2	0	0	3.923040355	
BEGAIN	BEGAIN	12.50013826	16.72638764	37.91204463	
46.09572417					
PPIP5K1	PPIP5K1	726.0496975	1123.30898	783.8872758	
1002.336811					
WDR27	WDR27	172.9185793	217.4430393	253.1186509	
203.9980984					
ZNF177	ZNF177	30.20866747	21.12806859	180.6397421	
17.6536816					
IQCJ-SCHIP1	IQCJ-SCHIP1		6.250069132	14.96571525	0

		13.73064124			
SCAMP5	SCAMP5	1.041678189	21.12806859	5.575300681	
		3.923040355			
HCFC1R1	HCFC1R1	1453.141073	1338.991347	864.1716056	
		1096.489779			
EHBP1	EHBP1	810.4256308	696.3459274	1050.386648	
		928.779804			
KLKB1	KLKB1	0	6.16235334	0	15.69216142
NOX01	NOX01	15.62517283	22.00840479	46.83252572	
		1.961520177			
ECHS1	ECHS1	7300.080746	4752.054761	5927.659684	
		5894.368133			
SKIV2L	SKIV2L	0	0	1.115060136	0
SOX10	SOX10	0	0	5.575300681	0
SUM02	SUM02	16849.1447	16212.2713	16817.33698	
		14186.69468			
CORT	CORT	131.2514518	136.4521097	53.52288654	
		54.92256497			
FAM210B	FAM210B	208.3356377	249.1351422	757.1258325	
		804.2232727			
MYL9	MYL9	9.375103698	25.52974955	4.460240545	
		20.59596186			
PLTP	PLTP	1338.556472	1131.232006	1231.02639	
		1413.275288			
TRIP12	TRIP12	8331.342153	16788.89151	8650.636537	
		10344.07666			
PIGF	PIGF	1825.020187	1441.110345	1437.312516	
		1325.98764			
IFNLR1	IFNLR1	130.2097736	179.5885831	428.1830923	
		160.8446545			
SHISA4	SHISA4	30.20866747	29.05109432	10.03554123	
		30.40356275			
ABHD15	ABHD15	754.1750086	1274.726805	731.4794494	
		1071.970777			
CATSPER4	CATSPER4		1.041678189	0	1.115060136
		0.980760089			
PSIP1	PSIP1	5560.478171	6207.250486	8407.553427	
		7581.275485			
MEGF9	MEGF9	511.4639907	995.6602325	656.7704203	
		628.6672168			
TMEM150C	TMEM150C		4.166712755	9.683698106	
		12.2656615	10.78836098		
HSPE1	HSPE1	14131.40631	12129.27205	15425.74193	
		14622.15216			
SFTA2	SFTA2	1.041678189	0	0	0
RNF38	RNF38	2396.901512	2490.471086	3776.708682	
		2733.378367			
IL27	IL27	0	7.923025723	0	0.980760089
CDKN2B-AS1	CDKN2B-AS1		85.41761147	46.65781815	
		26.76144327	18.63444168		

SCAF8	SCAF8	1769.811243	2402.437466	2439.751578
2039.000224				
IDH3G	IDH3G	5668.812703	4728.285684	3704.229773
4403.612798				
3-Sep	3-Sep	86.45928966	250.8958146	66.90360818
96.11448869				
DNMT3B	DNMT3B	85.41761147	229.767746	17.84096218
141.2294528				
MYZAP	MYZAP	0	11.44437049	64.6734879
				0.980760089
SPDEF	SPDEF	0	2.641008574	0
				0
MRPL35	MRPL35	6079.233909	4934.284353	4684.367632
4815.532035				
KANSL3	KANSL3	4254.213723	4922.839983	4398.912238
3543.4862				
ATP6V1G3	ATP6V1G3		2.083356377	0
				0
0.980760089				
PHF10	PHF10	1875.02074	1864.552053	1723.882971
1836.963646				
COMMD1	COMMD1	2033.355824	1913.85088	1588.960694
1693.772673				
MEI1	MEI1	2526.069608	2002.764836	2097.428116
2303.805448				
WDR90	WDR90	381.2542171	961.327121	370.1999652
844.4344363				
TTY10	TTY10	0	2.641008574	0
				8.826840798
FIZ1	FIZ1	423.9630228	467.4585177	409.22707
447.2266004				
BOLA2	BOLA2	531.2558762	691.0639103	333.4029807
626.7056967				
EPSTI1	EPSTI1	3750.041479	1720.176918	6634.607811
2126.287872				
L1CAM	L1CAM	81.25089872	94.19597248	26.76144327
36.28812328				
TGM1	TGM1	9.375103698	9.683698106	31.22168382
12.74988115				
CSTF1	CSTF1	5351.100855	4450.099448	3929.47192
4351.632513				
PTGER2	PTGER2	5192.765771	2084.636101	3607.219541
1192.604268				
PTGER1	PTGER1	3.125034566	14.08537906	0
				5.884560532
TXN	TXN	28260.72926	24797.30984	25161.33197
18620.71104				
TNFRSF4	TNFRSF4	9738.649386	9409.033214	7061.675843
14209.25216				
SPN	SPN	9776.149801	10134.43024	3877.064094
4575.245814				
SESN1	SESN1	1433.349188	791.4222361	3262.665959
1640.811628				
SIAE	SIAE	637.5070515	667.2948331	464.9800768
819.9154341				

LAMC2	LAMC2	2.083356377	1.760672383	0	52.96104479
HMGCS2	HMGCS2	0	0	5.884560532	
HLA-E	HLA-E	2.083356377	5.282017149	3.345180409	
		12.74988115			
MNX1	MNX1	1.041678189	2.641008574	0	0.980760089
GAS8	GAS8	147.9183028	117.0847135	194.0204637	
		383.4771947			
KXD1	KXD1	7081.328327	5756.518356	4911.8399	
		5288.258398			
OTULIN	OTULIN	4314.631058	3767.838899	3297.232823	
		3044.279315			
DIS3L	DIS3L	3280.244616	3201.782728	2581.364215	
		3132.547723			
ST6GAL1	ST6GAL1	6672.990477	7636.916461	12145.235	
		10859.95646			
INTS12	INTS12	1837.520325	1375.965467	1679.280565	
		1618.254146			
ZNF695	ZNF695	28.12531109	88.91395534	34.56686422	
		16.67292151			
CTDSPL	CTDSPL	12.50013826	65.14487817	44.60240545	
		34.3266031			
NUTF2	NUTF2	10494.90775	9828.073241	7810.996255	
		9190.702791			
TCEB2	TCEB2	7745.919011	8280.442217	6355.842777	
		6283.729888			
CLTB	CLTB	5314.642119	4006.410007	3464.491843	
		3737.676698			
CDCP1	CDCP1	58.33397857	34.33311147	146.0728779	
		8.826840798			
MPZL3	MPZL3	4245.880297	3634.027798	4163.634549	
		4251.594984			
CLPX	CLPX	2402.109903	2207.883168	2494.389525	
		2451.900222			
FAM216A	FAM216A	1239.597045	1195.496548	1157.432421	
		1631.004027			
DNAJB6	DNAJB6	10154.27898	8644.9014	10696.77189	
		9632.044831			
CCDC71	CCDC71	27.08363291	73.06790389	61.32830749	
		27.46128248			
WBSCR22	WBSCR22	6489.655116	4405.202302	6310.125311	
		5570.717304			
LRRC19	LRRC19	3.125034566	5.282017149	11.15060136	
		0.980760089			
CASD1	CASD1	990.6359575	1719.296582	1207.610128	
		1366.198804			
SIRT3	SIRT3	1023.969659	969.2501468	1126.210738	
		1127.874102			
RNF141	RNF141	1191.679848	1110.984274	1711.617309	
		1543.71638			
ZNF623	ZNF623	510.4223125	578.3808778	908.7740111	

874.8379991				
PRAF2 PRAF2	1236.47201	1412.939587	1067.11255	
1070.009257				
RNF2 RNF2	1716.685655	1259.76109	2280.297979	
1636.888588				
CLASRP CLASRP	373.9624697	893.5412343	490.62646	
542.360329				
ADRA1A ADRA1A	0 0	0 0.980760089		
MTMR10 MTMR10	1095.845455	1398.854208	1488.605282	
1348.545122				
MIA2 MIA2	4.166712755	1.760672383	0 1.961520177	
DBN1 DBN1	258.3361908	648.8077731	645.6198189	
607.0904949				
RAB40A RAB40A	0 3.521344766	0	1.961520177	
PSAT1 PSAT1	9859.484056	8244.348433	11804.0266	
6680.937724				
ANGPTL7 ANGPTL7	0 0.880336191	0	1.961520177	
CCNYL1 CCNYL1	105.2094971	290.5109432	177.2945617	
132.402612				
KNSTRN KNSTRN	3970.877255	3157.765919	2078.472094	
2571.552952				
ZNF610 ZNF610	54.16726581	88.03361914	302.1812969	
220.67102				
NDFIP2 NDFIP2	13785.56915	7390.422327	9297.371416	
12488.01821				
TOMM34 TOMM34	6881.326115	4307.484985	5768.206085	
5814.926566				
LOC101929613 LOC101929613	4.460240545	2.083356377	1.760672383	
4.460240545	0			
GMPR GMPR	460.4217594	155.8195059	277.6499739	
77.480047				
PRKD2 PRKD2	3824.000631	3531.9088	4815.944729	
3388.526106				
INPP4B INPP4B	2706.279934	3420.106104	4572.861619	
5900.252693				
ATG9A ATG9A	5069.847744	5192.222857	3790.089403	
4924.396405				
NR3C2 NR3C2	19.79188559	31.69210289	228.5873279	
104.9413295				
KCNJ2 KCNJ2	1.041678189	0.880336191	1.115060136	
8.826840798				
MGP MGP	4.166712755	8.803361914	5.575300681	
14.71140133				
RPL39 RPL39	3739.624697	5164.932435	6885.496341	
5366.719205				
NAPG NAPG	3123.992888	2440.291923	1872.185969	
2161.595235				
MED26 MED26	456.2550466	753.5677799	492.8565802	
438.3997596				
PHPT1 PHPT1	6240.694028	4426.330371	4514.878492	

3100.18264				
ACTG1 ACTG1	344918.3985	238743.6538	182600.0178	
228981.9809				
NPPA-AS1	NPPA-AS1	32.29202385	68.66622293	
161.6837198	102.9798093			
ZNF321P ZNF321P	85.41761147	84.51227438	221.8969671	
117.6912106				
PRKCQ-AS1	PRKCQ-AS1	1962.521708	1892.722812	
3034.078631	2545.07243			
ZNF625-ZNF20	ZNF625-ZNF20	332.2953422	321.3227099	
370.1999652	346.2083113			
RNASEK RNASEK	9380.312089	11849.32514	8819.010618	
6819.224897				
RAB4B-EGLN2	RAB4B-EGLN2	7109.453638	7231.081476	
7738.517346	7672.486174			
USH1C USH1C	0 0	14.49578177	0	
AKAP8 AKAP8	3115.659462	3018.6728	2874.625031	
3146.278364				
GJB7 GJB7	13.54181645	1.760672383	0 0.980760089	
C3orf62 C3orf62	111.4595662	134.6914373	112.6210738	
114.7489304				
DOK6 DOK6	59.37565676	382.0659071	26.76144327	
441.3420399				
WDR5 WDR5	4574.008927	3924.538741	4113.456843	
3720.023016				
STAT3 STAT3	16234.55457	16404.18459	26492.71378	
31039.09529				
CEPT1 CEPT1	2153.148816	2075.832739	2838.943107	
2423.458179				
RUNX1 RUNX1	891.6765295	1147.078057	1697.121527	
1363.256523				
RPH3A RPH3A	0 0.880336191 0	0	0	
ARL13B ARL13B	651.0488679	641.7650836	657.8854804	
565.8985712				
HK2 HK2	2641.695887	3161.287263	2747.508176	
4700.783105				
GAA GAA	1013.552878	1065.206792	1002.439063	
1578.042983				
ZNF268 ZNF268	2032.314146	1828.45827	2688.409989	
1794.790962				
IRF6 IRF6	6.250069132	10.5640343	41.25722504	
4.903800443				
ABCA2 ABCA2	85.41761147	1028.232672	205.1710651	
308.9394279				
RASAL3 RASAL3	12556.38889	14225.35252	7027.108979	
11486.66216				
UXS1 UXS1	5257.349818	3672.762591	3575.997857	
3503.275037				
NLRP7 NLRP7	6.250069132	6.16235334	7.805420954	
4.903800443				

HPRT1	HPRT1	8728.221543	9217.119924	6185.238576	
7685.236055					
TXLNA	TXLNA	12231.38529	12846.74604	9936.300874	
11561.19993					
RCE1	RCE1	1867.728992	1374.204795	1412.781193	
1667.292151					
DOPEY2	DOPEY2	589.5898548	990.3782154	772.7366744	
703.2049836					
WDR70	WDR70	1896.895982	1668.237083	1476.33962	
1767.32968					
UBAP1L	UBAP1L	7.291747321	13.20504287	25.64638313	
14.71140133					
COX5B	COX5B	9981.360404	10187.25041	7989.405876	
8147.174057					
GALC	GALC	1587.51756	1722.817927	1310.19566	
1655.52303					
TYMS	TYMS	20808.5635	23719.77834	11955.67478	
16081.52317					
TUBG1	TUBG1	11615.75348	7611.386711	7020.418618	
7393.950308					
CCDC68	CCDC68	3.125034566	7.042689532	0	3.923040355
CLDN12	CLDN12	164.5851538	187.5116088	148.3029981	
189.2866971					
TGFBR1	TGFBR1	3046.908702	1803.808856	3241.479816	
2452.880982					
CLCF1	CLCF1	39.58377117	8.803361914	57.98312709	
93.17220842					
RAB29	RAB29	6133.401175	4435.133732	4714.474256	
4509.534888					
CPEB2	CPEB2	352.0872278	418.1596909	366.8547848	
301.0933472					
FIRRE	FIRRE	142.7099119	139.9734544	86.97469063	
139.2679326					
ZSCAN32	ZSCAN32	1329.181369	1102.180912	2022.719087	
1446.621131					
HAUS1	HAUS1	3630.248488	3435.952155	2407.414834	
2707.878605					
TMEM161B	TMEM161B		1092.72042	1119.787636	
1167.467963	942.5104452				
LOC101929234	LOC101929234		0	0.880336191	0
LOC101928103	LOC101928103		48.95887487	22.88874098	0
59.09818722	38.24964346				
UBE2L6	UBE2L6	18255.41026	11934.71775	26376.74752	
14264.17473					
KCTD13	KCTD13	765.6334687	660.2521436	596.5571729	
818.934674					
C14orf159	C14orf159		2857.323272	3085.578351	
2859.014189	2953.068627				
TPRG1L	TPRG1L	412.5045627	818.712658	1141.82158	
682.6090217					

NANP	NANP	848.9677238	791.4222361	743.7451109
827.7615148				
ZNF12	ZNF12	2143.773712	2558.256972	3493.483407
3181.585728				
IKZF2	IKZF2	403.129459	512.3556634	305.5264773
558.0524905				
HPCAL4	HPCAL4	100.0011061	20.2477324	246.4282901
121.614251				
MME	MME	0	19.36739621	0
14.71140133				
RPS27L	RPS27L	11639.71208	7526.874437	10908.63331
5654.081911				
CD93	CD93	5.208390943	54.58084387	0
16.67292151				
FEN1	FEN1	20247.09895	17838.25225	10838.38452
13905.21654				
LSM11	LSM11	325.0035949	283.4682536	362.3945443
254.9976231				
WTAP	WTAP	6577.156083	6894.793051	6052.54642
5385.353647				
IGLL1	IGLL1	8.33342551	14.08537906	0
15.69216142				
ZDHHC16	ZDHHC16	6387.570653	4418.407345	4066.624317
5462.833694				
NUDT6	NUDT6	337.5037331	395.27095	205.1710651
222.6325401				
YEATS2	YEATS2	1463.557855	3030.117171	2084.047395
1935.039655				
SNORA59A	SNORA59A		4.166712755	4.401680957
5.575300681	4.903800443			
LOC606724	LOC606724		9982.402082	9755.885674
3956.233363	6932.993067			
SNORA66	SNORA66	19.79188559	9.683698106	23.41626286
15.69216142				
SNORA71D	SNORA71D		47.91719668	51.93983529
52.4078264	40.21116364			
SNORA71C	SNORA71C		12.50013826	26.41008574
21.18614259	16.67292151			
AUH	AUH	2096.898194	1315.22227	1472.99444
1704.561034				
ATRNL1	ATRNL1	165.626832	14.96571525	23.41626286
3.923040355				
AAGAB	AAGAB	7116.745385	5548.759015	6385.9494
5326.508042				
MYP0P	MYP0P	5.208390943	29.05109432	7.805420954
7.846080709				
SEMA3A	SEMA3A	25.00027653	5.282017149	20.07108245
9.807600887				
CAMTA2	CAMTA2	1339.598151	2640.128238	1643.598641
2102.74963				
CD244	CD244	60.41733494	351.2541404	99.24035213
114.7489304				
TCF4	TCF4	48.95887487	578.3808778	68.01866831

103.9605694					
SEN7 SEN7	618.7568441	906.7462772	941.110755		
1070.009257					
ASAP1-IT1	ASAP1-IT1	0	3.521344766	0	
3.923040355					
DLEU2 DLEU2	846.8843674	718.3543322	630.008977		
688.4935822					
LYSMD4 LYSMD4	630.2153042	838.9603904	718.0987278		
802.2617525					
COMMD4 COMMD4	2986.491367	2807.392114	1643.598641		
2139.037753					
GCOM1 GCOM1	2884.406905	3141.039531	4278.485743		
3644.504489					
SNORA15 SNORA15	7.291747321	0.880336191	14.49578177		
5.884560532					
SNORA12 SNORA12	11.45846008	26.41008574	24.531323		
3.923040355					
NVL NVL	3546.914233	2417.403182	2108.578718		
2465.630863					
SNORA17 SNORA17	17.70852921	14.08537906	20.07108245		
30.40356275					
SNORD17 SNORD17	173.9602575	123.2470668	79.16926967		
96.11448869					
SUM01P3 SUM01P3	36.4587366	31.69210289	40.14216491		
21.57672195					
PIM1 PIM1	19370.00592	19961.62314	9278.415394		
9450.604214					
ATP7B ATP7B	42.70880574	77.46958485	41.25722504		
66.69168603					
CA13 CA13	6.250069132	16.72638764	27.87650341		
50.99952461					
ARHGDIB ARHGDIB	127835.789	107356.9985	52366.56918		
67683.23448					
HSPA13 HSPA13	4081.295143	3973.837568	4649.800768		
3230.623732					
PRB3 PRB3	6.250069132	3.521344766	1.115060136	0	
SRP72 SRP72	11747.00493	8478.51786	9389.921407		
8775.841273					
RPUSD4 RPUSD4	2079.189665	1241.27403	2308.174482		
1556.466261					
NUTM2B-AS1	NUTM2B-AS1	1015.636234	1000.94225		
925.4999131	908.1838421				
ASPHD2 ASPHD2	3081.284082	1848.706002	1612.376957		
1493.697615					
SALL4 SALL4	8.33342551	2.641008574	0	0	
GJC2 GJC2	0	3.521344766	1.115060136	0	
GALNT11 GALNT11	1881.270809	1573.160774	1688.201046		
1917.385973					
CAND2 CAND2	17.70852921	29.05109432	51.29276627		
109.8451299					

CH25H	CH25H	5.208390943	0	32.33674395	5.884560532
SEC61B	SEC61B	9431.35432	8447.706093	7634.816753	
6239.595684					
NEURL3	NEURL3	122.9180263	109.1616877	54.63794668	
150.0562936					
SLC37A4	SLC37A4	1721.894046	1728.099944	1450.693237	
1733.983837					
STIL	STIL	6040.691816	6180.8404	3222.523794	
3580.755084					
EPB42	EPB42	4.166712755	0	4.460240545	0
CFLAR	CFLAR	12348.05325	12836.18201	11049.13089	
13138.26215					
DHFRL1	DHFRL1	1031.261407	1205.180246	714.7535473	
932.7028443					
RAI2	RAI2	40.62544936	5.282017149	207.4011853	
144.171733					
CHD1	CHD1	2934.407458	3893.726975	4080.005039	
3596.447245					
PEX10	PEX10	1117.720696	818.712658	1020.280025	
1160.239185					
PDGFRB	PDGFRB	46.87551849	70.42689532	0	12.74988115
GRIA3	GRIA3	5.208390943	0	0	0.980760089
SRSF5	SRSF5	8829.264327	10740.10154	11878.73563	
13245.165					
TMEM115	TMEM115	2170.857345	1638.305652	2181.057627	
2044.884785					
TMEM99	TMEM99	910.4267369	589.8252483	971.2173787	
534.5142483					
KCNK4	KCNK4	0	0.880336191	0	0
EFCAB3	EFCAB3	0	0	1.115060136	0
FBX024	FBX024	29.16698928	50.17916291	25.64638313	
38.24964346					
MPHOSPH10	MPHOSPH10		2714.61336	2075.832739	
3176.806328	2791.243212				
PRDM4	PRDM4	3516.705565	3339.99551	4163.634549	
3520.928718					
PGF	PGF	15.62517283	15.84605145	10.03554123	
11.76912106					
YY2	YY2	98.95942793	123.2470668	59.09818722	
76.49928692					
CDH26	CDH26	9.375103698	4.401680957	6.690360818	
24.51900222					
SERP2	SERP2	1.041678189	4.401680957	11.15060136	
10.78836098					
EPS15L1	EPS15L1	1093.762098	1644.468006	847.4457036	
886.6071202					
RAB28	RAB28	1302.097736	1057.283766	1378.214328	
1133.758663					
NECAP2	NECAP2	11078.24754	8056.836824	8018.39744	
8251.134626					

RAD54L	RAD54L	3184.410223	4389.356251	2202.243769
3227.681452				
BOD1	BOD1	226.0441669	416.3990186	476.1306782
321.6893091				
FAM217B	FAM217B	1916.687867	2228.130901	2060.631132
1805.579323				
FAM177A1	FAM177A1		2405.234938	1808.210537
1738.378752		1859.521128		
KIT	KIT	346.8788368	14.08537906	292.1457557
153.9793339				
PRL	PRL	3.125034566	11.44437049	0 0
TRIQK	TRIQK	16.66685102	87.15328295	44.60240545
93.17220842				
SGOL2	SGOL2	2575.028482	2781.862365	1629.102859
1796.752482				
SCN1A	SCN1A	0 7.923025723	1.115060136	10.78836098
RAB43	RAB43	645.840477	1431.426647	1041.466167
996.4522501				
PLSCR4	PLSCR4	1.041678189	0 3.345180409	0.980760089
SGCE	SGCE	2.083356377	6.16235334	21.18614259
20.59596186				
TCEB1	TCEB1	6063.608736	6104.251151	4493.692349
4444.804722				
GSTM5	GSTM5	0 0	0 7.846080709	
CTSL	CTSL	1351.056611	219.2037117	2465.397961
1307.353198				
PSMB4	PSMB4	5300.058624	5195.744202	3311.728605
2973.664589				
STAG2	STAG2	7413.623669	8566.551479	10212.83579
7890.214913				
RMDN1	RMDN1	2956.2827	2697.350091	2331.590745
2604.898796				
SUSD1	SUSD1	1454.182751	904.9856048	506.2373019
388.3809951				
C22orf39	C22orf39		1823.978508	1894.483484
1787.441398		1723.195476		
CGREF1	CGREF1	562.5062219	338.9294337	534.1138053
416.8230377				
HEATR5B	HEATR5B	1477.099672	2059.106352	1916.788374
1801.656283				
TBC1D16	TBC1D16	37.50041479	81.8712658	86.97469063
152.9985738				
FAM105A	FAM105A	3391.704182	1699.929186	2562.408193
1590.792864				
C6orf62	C6orf62	5481.310629	9692.501468	8166.700438
7056.568838				
POLR1B	POLR1B	7443.832336	5532.032627	7240.085465
7910.810875				
PCDHGA10	PCDHGA10		4.166712755	4.401680957
37.91204463		10.78836098		

TOLLIP	TOLLIP	2804.197684	2435.009906	3454.456302
2955.030147				
LOC101928363	LOC101928363		3.125034566	12.32470668
6.690360818	5.884560532			
MPL	MPL	2.083356377	2.641008574	0 2.942280266
INPP1	INPP1	1707.310551	993.0192239	1241.061932
967.0294474				
DCST1	DCST1	21.87524196	8.803361914	12.2656615
18.63444168				
ARID3B	ARID3B	4568.800536	5136.761677	2305.944362
2812.819934				
TBL3	TBL3	6313.611502	4847.13107	5652.239831
6245.480245				
VM01	VM01	0	1.760672383	2.230120273 6.865320621
ARMC1	ARMC1	5921.940503	4669.303159	5110.320605
4555.630612				
CCDC186	CCDC186	832.3008728	928.754682	1430.622155
911.1261224				
THAP1	THAP1	2511.486113	1691.125824	2303.714242
1805.579323				
ANKRD45	ANKRD45	0	0	1.115060136 0
SETD3	SETD3	4716.718838	4389.356251	3824.656267
4172.153417				
RORA	RORA	3303.161536	2766.89665	4269.565262
3826.925866				
CYGB	CYGB	5.208390943	0	12.2656615 3.923040355
RAD17	RAD17	4106.29542	3331.192148	4078.889978
3691.580974				
POGZ	POGZ	580.2147511	1260.641426	1065.99749
1028.817333				
NADK2	NADK2	1014.594556	979.8141811	1968.081141
1546.65866				
CCDC77	CCDC77	947.9271517	1000.061913	871.9770266
834.6268355				
CHCHD4	CHCHD4	2493.777584	1707.852211	1858.805247
2074.307588				
SLC17A3	SLC17A3	5.208390943	8.803361914	10.03554123
0.980760089				
AP1B1	AP1B1	5925.065537	10401.1721	4046.553235
5249.027995				
ATP5L2	ATP5L2	3.125034566	6.16235334	4.460240545
9.807600887				
C10orf67	C10orf67		38.54209298	57.22185244
11.15060136	23.53824213			
SLC12A9	SLC12A9	363.5456879	957.8057763	410.3421301
514.8990466				
KCTD10	KCTD10	5224.016116	5459.845059	4032.057453
5396.142008				
MCF2L	MCF2L	5.208390943	4.401680957	53.52288654
190.2674572				

GJC3	GJC3	6.250069132	0	30.10662368	8.826840798
KRT27	KRT27	1.041678189	0	0	0
VPS13B	VPS13B	2329.19243	2563.538989	2341.626286	
		2686.301883			
AQP11	AQP11	140.6265555	114.4437049	59.09818722	
		79.44156718			
KCNH1	KCNH1	0	0	6.865320621	
ELOVL2	ELOVL2	0	0.880336191	0	0
G2E3	G2E3	2905.240468	2712.315806	2133.110041	
		2229.267682			
LRRC40	LRRC40	2942.740883	2356.659984	1983.691982	
		2228.286921			
GSDMD	GSDMD	6893.826253	8177.442882	4658.721249	
		7669.543893			
DI02	DI02	0	0.880336191	0	4.903800443
NUPL1	NUPL1	8010.505271	8319.177009	6808.557192	
		7437.103752			
BRWD1	BRWD1	3546.914233	3827.70176	4459.125485	
		3725.907577			
ZXDC	ZXDC	1991.688697	1942.021638	2903.616595	
		2287.132527			
MT2A	MT2A	9423.020895	17862.02132	11452.78266	
		12385.0384			
TPR	TPR	9023.016471	10910.88676	9564.985849	
		9956.67642			
ARHGAP22	ARHGAP22		2.083356377	1.760672383	
		21.18614259	2.942280266		
GABPA	GABPA	3618.790028	3801.291675	3287.197282	
		3357.141784			
ADCY4	ADCY4	12.50013826	34.33311147	44.60240545	
		31.38432284			
RIOK2	RIOK2	3943.793622	2320.566201	3636.211104	
		2982.49143			
CKB	CKB	135.4181645	241.2121165	175.0644414	
		176.536816			
CTGF	CTGF	1.041678189	0	0	0
CRYBA4	CRYBA4	1.041678189	2.641008574	10.03554123	
		3.923040355			
CHGB	CHGB	10.41678189	11.44437049	45.71746559	
		43.1534439			
RHOH	RHOH	5617.770472	4358.544484	8797.824475	
		6589.727036			
SUPT7L	SUPT7L	3968.793899	3325.910131	3084.256337	
		3404.218268			
LINC00589	LINC00589		0	0.880336191	35.68192436
		21.57672195			
LINC00593	LINC00593		2.083356377	0	0
BMS1P4	BMS1P4	280.2114328	231.5284183	276.5349138	0
		283.4396656			
GALNTL6	GALNTL6	2.083356377	0	0	0

HAR1A	HAR1A	10.41678189	29.05109432	26.76144327
115.7296905				
SNHG11	SNHG11	389.5876426	350.3738042	312.2168382
372.6888337				
TROAP	TROAP	3161.493303	3283.653994	1418.356493
2064.499987				
HSF4	HSF4	126.0430608	168.1442126	70.24878858
162.8061747				
DFNB31	DFNB31	219.7940978	213.9216945	238.6228692
183.4021366				
BEND4	BEND4	36.4587366	29.93143051	6.690360818
6.865320621				
SLFN12L	SLFN12L	294.7949274	468.3388538	352.3590031
413.8807574				
KCNAB1	KCNAB1	6.250069132	28.17075813	45.71746559
36.28812328				
RPL38	RPL38	11955.34057	11848.4448	12843.26265
11214.01085				
SLC9A7	SLC9A7	1869.812349	1501.853543	1188.654105
953.2988062				
SPX	SPX	65.62572589	36.97412004	11.15060136
35.30736319				
C1orf86	C1orf86	1246.888792	1451.67438	1107.254715
1551.56246				
RASL11A	RASL11A	31.25034566	15.84605145	63.55842777
21.57672195				
C14orf166	C14orf166		9628.231498	8783.114182
8116.522732	7084.03012			
SBDS	SBDS	4683.385136	2885.742036	6304.55001
4460.496883				
ZNF107	ZNF107	2167.732311	2434.129569	3229.214155
2547.03395				
SLC26A7	SLC26A7	6.250069132	10.5640343	10.03554123
5.884560532				
SLC13A4	SLC13A4	9.375103698	15.84605145	43.48734531
22.55748204				
PPHLN1	PPHLN1	5686.521232	6094.567453	5138.197108
5000.895692				
ACAP2	ACAP2	2945.865918	3419.225768	3150.044885
2473.476944				
ATXN10	ATXN10	6478.196656	6069.037704	5439.263345
6826.090217				
FAM65B	FAM65B	8223.007622	8901.959568	9762.351493
5976.75198				
THSD4	THSD4	0	0	0.980760089
GLB1L	GLB1L	246.8777307	247.3744698	199.5957644
247.1515423				
GUSBP9	GUSBP9	63.54236951	92.4353001	81.39938995
63.74940576				
ATG5	ATG5	4788.594633	3529.267791	4092.2707

3604.293326				
POLN	POLN	90.62600242	117.9650497	93.66505145
88.26840798				
TMEM217	TMEM217	370.8374352	399.6726309	206.2861252
343.266031				
GBGT1	GBGT1	29.16698928	22.88874098	53.52288654
19.61520177				
C10orf128	C10orf128		1613.559514	2552.974955
1214.300488	3056.048436			
DUSP22	DUSP22	818.7590563	1160.2831	1464.073959
1428.967449				
USP49	USP49	283.3364673	528.2017149	273.1897334
354.054392				
CAPS2	CAPS2	10.41678189	23.76907717	54.63794668
39.23040355				
SAMSN1	SAMSN1	13758.48552	7986.409929	10231.79181
7155.625607				
FUS	FUS	6389.654009	14839.82718	9976.443039
11410.16287				
CHRM4	CHRM4	5.208390943	0	8.92048109
GBAS	GBAS	5295.891911	4695.713245	3012.892488
4668.418022				1.961520177
NPTN	NPTN	2884.406905	2845.246571	2973.865383
2511.726587				
LARP6	LARP6	0	0	11.15060136
BCS1L	BCS1L	2909.407181	1832.859951	4.903800443
2304.786208				1969.196201
PROB1	PROB1	885.4264604	902.3445962	366.8547848
373.6695938				
RPAIN	RPAIN	10090.73661	7100.79172	9273.955153
9189.722031				
LILRA3	LILRA3	0	0.880336191	0
SCHIP1	SCHIP1	6.250069132	14.96571525	0
CANT1	CANT1	488.5470705	2139.216945	13.73064124
740.4738669				621.0884959
CHFR	CHFR	4250.04701	3872.598906	2784.30516
2836.358176				
FMR1	FMR1	1415.640658	1113.625282	1919.018495
975.8562882				
PACSIN2	PACSIN2	2180.232449	2908.630777	2237.925693
2175.325877				
TRIM6	TRIM6	12.50013826	36.09378385	1.115060136
28.44204257				
SMIM18	SMIM18	9.375103698	10.5640343	25.64638313
8.826840798				
STUB1	STUB1	8173.007069	5918.500215	7186.562578
7506.737719				
NFKBIZ	NFKBIZ	3322.953422	2420.04419	4188.165872
4043.673846				
CPM	CPM	800.0088489	706.0296255	519.6180235

1647.676949					
RBFOX3	RBFOX3	0	6.16235334	5.575300681	2.942280266
SYT3	SYT3	0	2.641008574	6.690360818	0.980760089
YARS2	YARS2	2157.315529	1853.107683	1626.872739	
1910.520653					
ANAPC15	ANAPC15	3323.9951	2931.519517	1690.431167	
2039.000224					
SPIDR	SPIDR	1915.646189	2244.857288	1418.356493	
2497.995946					
RALGAPB	RALGAPB	3469.830047	3981.760594	4433.479102	
3777.887862					
UBE3C	UBE3C	6100.067473	7198.509037	5636.628989	
5735.484999					
LOC102659288	LOC102659288		5.208390943	0	7.805420954
0					
CD14	CD14	13.54181645	1.760672383	72.47890886	
11.76912106					
CXorf36	CXorf36	0	0	0.980760089	
BCL2L14	BCL2L14	369.795757	142.614463	1107.254715	
511.9567663					
HMGNS	HMGNS	131.2514518	294.9126241	165.0289002	
159.8638945					
TANC2	TANC2	53.12558762	299.3143051	282.1102145	
152.0178137					
WNT4	WNT4	1.041678189	5.282017149	20.07108245	
0.980760089					
NRBF2	NRBF2	2859.406628	2319.685864	2729.667214	
2166.499036					
DISP1	DISP1	133.3348082	103.8796706	338.9782814	
240.2862217					
KPNA7	KPNA7	0	0	2.942280266	
SRP9	SRP9	23126.29747	23267.28554	20245.03183	
20949.03549					
STYX	STYX	3769.833365	3564.481239	3621.715323	
2955.030147					
CHST8	CHST8	1.041678189	0	0	0
CEACAM19	CEACAM19		1.041678189	0	5.575300681
0.980760089					
PDZK1	PDZK1	7.291747321	14.08537906	31.22168382	
3.923040355					
PRKAA1	PRKAA1	3557.331014	4211.52834	4465.815846	
3932.847956					
SLC12A4	SLC12A4	1604.184411	1928.816595	1276.743856	
1251.449873					
PRKCB	PRKCB	12620.97293	11460.21654	11613.35132	
13454.0669					
LINC01091	LINC01091		0	0	1.961520177
MIR3157	MIR3157	0	0	2.942280266	
MIR3153	MIR3153	11.45846008	18.48706002	3.345180409	
0.980760089					

MIR3143	MIR3143	3.125034566	3.521344766	0	4.903800443
SPATA33	SPATA33	255.2111562	261.4598489	218.5517867	
199.094298					
MIR3200	MIR3200	0	0	1.115060136	0
PRDM11	PRDM11	48.95887487	19.36739621	101.4704724	
26.48052239					
MELK	MELK	7673.001538	6721.366822	4430.133921	
5054.837497					
FAM193A	FAM193A	488.5470705	744.764418	679.071623	
626.7056967					
MIR4315-2	MIR4315-2		214.5857069	189.2722812	
276.5349138	190.2674572				
BRSK2	BRSK2	0	6.16235334	6.690360818	3.923040355
TUBGCP2	TUBGCP2	5712.563187	4382.313561	4598.508002	
4836.127997					
MIR941-4	MIR941-4		0	2.641008574	0
0.980760089					
CHRNA7	CHRNA7	3.125034566	0	0	0
HCP5	HCP5	1.041678189	7.923025723	8.92048109	
23.53824213					
ZNF74	ZNF74	497.9221742	398.7922947	926.6149732	
777.7427503					
SSBP1	SSBP1	12014.71623	9416.95624	10356.67855	
9592.814427					
TBC1D10C	TBC1D10C		12067.84182	9666.971718	
5467.139848	7741.13938				
TSP0	TSP0	6837.575631	7085.826005	4996.584471	
6027.751505					
BLOC1S1	BLOC1S1	2185.44084	2701.751772	1736.148632	
1985.058419					
CYP21A1P	CYP21A1P		0	0.880336191	0
LOC100130476	LOC100130476		181.2520048	135.5717735	0
267.6144327	161.8254146				
ZNF663P	ZNF663P	3.125034566	1.760672383	0	1.961520177
LOC283693	LOC283693		9.375103698	34.33311147	
27.87650341	15.69216142				
LINC00607	LINC00607		0	2.641008574	0
0.980760089					
HERC2P9	HERC2P9	93.75103698	132.0504287	112.6210738	
154.960094					
ZSCAN18	ZSCAN18	125.0013826	146.1358078	917.6944921	
775.7812301					
C3	C3	2.083356377	2.641008574	146.0728779	
31.38432284					
SLC26A1	SLC26A1	53.12558762	116.2043773	112.6210738	
152.9985738					
OLAH	OLAH	87.50096785	18.48706002	121.5415549	
14.71140133					
DOHH	DOHH	2859.406628	2132.174256	1862.150428	
1908.559133					

KATNAL2	KATNAL2	21.87524196	54.58084387	13.38072164
29.42280266				
TIGD4	TIGD4	5.208390943	14.96571525	17.84096218
18.63444168				
GLT8D2	GLT8D2	20.83356377	7.042689532	18.95602232
13.73064124				
FGGY	FGGY	492.7137833	387.3479242	231.9325083
398.188596				
TMEM209	TMEM209	6874.034367	5668.484737	5481.63563
5838.464808				
ARSG	ARSG	138.5431991	565.1758349	477.2457383
376.611874				
RASSF4	RASSF4	106.2511752	114.4437049	99.24035213
152.0178137				
IP6K3	IP6K3	0	3.345180409	0
UNC119	UNC119	2564.611701	2064.388369	1806.397421
2114.518751				
BACE1	BACE1	27.08363291	58.98252483	55.75300681
51.9802847				
FAM120A	FAM120A	2651.07099	3556.558213	2138.685341
2247.902123				
C20orf203	C20orf203	0	0	8.92048109
0.980760089				
IL12RB2	IL12RB2	8331.342153	10628.29884	5389.085639
9815.446967				
RTN4	RTN4	2717.738394	4597.115592	3564.847256
2773.589531				
RCAN2	RCAN2	1128.137478	1390.050846	212.976486
1682.984312				
DUSP28	DUSP28	363.5456879	441.9287681	292.1457557
330.5161499				
RGPD1	RGPD1	46.87551849	34.33311147	72.47890886
110.82589				
DNMBP	DNMBP	102.0844625	224.4857288	254.2337111
213.8056993				
SLC39A10	SLC39A10	1546.65866	1589.600916	1869.834071
1237.716751				
C12orf65	C12orf65	1707.503314	1383.348635	1398.854208
2404.069654				
FAM178B	FAM178B	6.250069132	2.641008574	0
ACAP1	ACAP1	11776.17192	12094.93893	5.884560532
10410.76834				6051.43136
MCUR1	MCUR1	3263.577765	3174.492306	2512.230487
2525.457228				
DROSHA	DROSHA	2860.448306	3543.353171	2213.39437
2575.475993				
SYCE1L	SYCE1L	431.2547701	396.1512861	352.3590031
393.2847956				
RPL17-C18orf32	RPL17-C18orf32	14523.09539	16175.17891	15898.87162
17299.04295				

CSTF3	CSTF3	4371.923358	3053.005912	3317.303905	
3199.239409					
DPCD	DPCD	434.3798047	301.9553137	379.1204463	
402.1116364					
CCDC178	CCDC178	0	1.115060136	0	
PHACTR3	PHACTR3	0	0	0.980760089	
OCLN	OCLN	5.208390943	10.5640343	35.68192436	
7.846080709					
ATP6AP1	ATP6AP1	6138.609566	5026.719653	5817.268731	
5117.606143					
SUPT6H	SUPT6H	3755.24987	5560.203385	4357.655013	
4676.264103					
KRTAP7-1	KRTAP7-1		1.041678189	0	0
ZC2HC1C	ZC2HC1C	127.084739	97.71731725	104.8156528	0
95.1337286					
GALNT12	GALNT12	65.62572589	170.7852211	374.6602058	
606.1097348					
GNB1L	GNB1L	1164.596215	711.3116427	1064.88243	
837.5691157					
LEPRE1	LEPRE1	2741.696993	1699.048849	1953.585359	
1776.156521					
CMTR2	CMTR2	2909.407181	2800.349425	2426.370857	
2445.034901					
SLC29A3	SLC29A3	568.756291	317.8013651	502.8921215	
484.4954838					
ERMARD	ERMARD	1396.890451	1059.044438	1173.043263	
1418.179088					
UBFD1	UBFD1	4165.671077	3641.070488	3492.368347	
3584.678124					
ZFHX4	ZFHX4	0	0	5.884560532	
PCBP2-OT1	PCBP2-OT1		445.8382648	419.0400271	
506.2373019		410.9384772			
GPR125	GPR125	881.2597476	875.9345105	419.2626112	
874.8379991					
CERS3	CERS3	0	1.115060136	0	
SLC45A1	SLC45A1	1.041678189	4.401680957	33.45180409	
15.69216142					
CLN3	CLN3	2770.863982	1817.013899	2086.277515	
2128.249392					
VAMP5	VAMP5	2517.736182	1886.560458	1794.131759	
1268.122795					
PTX3	PTX3	1.041678189	2.641008574	7.805420954	
0.980760089					
CDK2	CDK2	6165.693199	6434.377223	3678.58339	
5443.218492					
CPT1B	CPT1B	343.7538023	1020.309646	427.0680322	
800.3002324					
BRD9	BRD9	2204.191047	1736.903306	1786.326338	
1804.598563					
AG03	AG03	1400.015486	1250.077392	1461.843839	

1225.950111					
ZNF485	ZNF485	45.8338403	82.751602	367.969845	
423.6883583					
PACS2	PACS2	438.5465174	595.9876016	981.2529199	
1015.086692					
APOL3	APOL3	7246.955159	5663.20272	8496.758238	
5897.310413					
MRPL33	MRPL33	3970.877255	4071.554885	3658.512307	
3378.718505					
IRAK3	IRAK3	97.91774974	146.1358078	5.575300681	
57.86484523					
UTP18	UTP18	7378.206611	5632.390953	6802.981891	
6652.495681					
GEMIN5	GEMIN5	4383.381818	3396.337027	4888.423637	
4710.590706					
FANCF	FANCF	1357.30668	1412.059251	1431.737215	
1558.427781					
CLEC7A	CLEC7A	6.250069132	6.16235334	7.805420954	
13.73064124					
DIRC2	DIRC2	318.7535257	156.6998421	316.6770787	
228.5171007					
PSMB8	PSMB8	441.671552	91.55496391	382.4656267	
65.71092594					
MARK1	MARK1	0	1.115060136	0	
0					
PECR	PECR	1239.597045	1141.79604	560.8752485	
798.3387122					
NPPA	NPPA	5.208390943	16.72638764	14.49578177	
9.807600887					
DENND4C	DENND4C	2594.820368	2980.818344	3706.459893	
2886.376941					
SLC25A27	SLC25A27	0	1.760672383	0	
6.865320621					
CXCL11	CXCL11	26.04195472	8.803361914	112.6210738	
16.67292151					
CCL13	CCL13	0	9.683698106	22.30120273	17.6536816
GPRC5A	GPRC5A	14.58349464	8.803361914	10.03554123	
10.78836098					
CALCB	CALCB	4.166712755	2.641008574	21.18614259	
9.807600887					
TMC7	TMC7	4.166712755	8.803361914	12.2656615	
2.942280266					
GRIK2	GRIK2	0	5.575300681	0	
0					
DEFB4A	DEFB4A	0	0	1.961520177	
0					
PRF1	PRF1	9185.518268	10314.01882	4034.287573	
7230.163374					
DHX8	DHX8	4268.797217	4304.843976	3906.055657	
3252.200454					
CHP1	CHP1	1413.557302	3324.149459	1033.660746	
1237.719232					
SLC6A14	SLC6A14	0	0	1.961520177	
0					

UTP11L	UTP11L	5622.978863	3997.606645	4201.546593
4431.074081				
SLC6A8	SLC6A8	3.125034566	14.08537906	10.03554123
4.903800443				
H6PD	H6PD	552.08944	1535.306318	1144.0517
1070.990017				
PRRX2	PRRX2	19.79188559	35.21344766	16.72590204
46.09572417				
TCF19	TCF19	21.87524196	19.36739621	32.33674395
19.61520177				
U2AF1L4	U2AF1L4	1329.181369	1140.035368	1431.737215
1345.602842				
AP1S1	AP1S1	184.3770394	671.6965141	152.7632387
196.1520177				
CTSD	CTSD	9216.768614	8501.406601	6155.131952
6553.438912				
POU3F1	POU3F1	10.41678189	65.14487817	4.460240545
7.846080709				
PC	PC	748.9666177	507.9539825	675.7264426
685.551302				
IMPAD1	IMPAD1	4305.255954	4317.168683	4173.67009
3771.022541				
OSGEP	OSGEP	3868.792793	2965.852629	3040.768992
3682.754133				
LIME1	LIME1	4270.880574	5163.171763	948.916176
1545.6779				
PRRX1	PRRX1	3.125034566	0	0
HEATR2	HEATR2	1165.637893	1196.376884	846.3306434
1086.682178				
FLVCR2	FLVCR2	845.8426892	530.8427234	633.3541574
970.9524878				
RGS3	RGS3	1059.386718	1888.321131	1115.060136
1551.56246				
00EP	00EP	1.041678189	3.521344766	0
RELN	RELN	0	0	5.884560532
GAS1	GAS1	10.41678189	23.76907717	30.10662368
10.78836098				
TRIM23	TRIM23	725.0080193	765.0121504	1074.917971
885.6263601				
LRRC43	LRRC43	0	0.880336191	0
MICAL3	MICAL3	311.4617784	302.8356499	273.1897334
307.9586678				
JPH4	JPH4	8.33342551	11.44437049	3.345180409
7.846080709				
KLHDC3	KLHDC3	6044.858529	6281.198726	4682.137512
5643.29355				
APOBR	APOBR	113.5429226	141.7341268	43.48734531
46.09572417				
TAF9B	TAF9B	5985.482872	4792.550226	4805.909187
4291.806148				

POLR1D	POLR1D	3311.494962	3147.201884	3108.78766
2731.416847				
PAM16	PAM16	939.5937262	839.8407266	718.0987278
849.3382368				
MRPS23	MRPS23	4426.090624	3325.910131	4038.747814
3622.927768				
LIG1	LIG1	9667.815269	8477.637524	5146.002529
7734.274059				
LOC101928378	LOC101928378		1330.223047	1412.939587
1421.701674	1868.347969			
DDX59	DDX59	1868.770671	1589.887162	1524.287206
1577.062223				
FAM63B	FAM63B	1386.473669	871.5328295	1256.672774
1003.317571				
NDUFA2	NDUFA2	3801.083711	5201.026219	3181.266569
3685.696413				
PDZD9	PDZD9	1.041678189	7.923025723	7.805420954
3.923040355				
CEACAM4	CEACAM4	0	0.880336191	0
CD4	CD4	20574.18591	24275.27048	11334.58629
17647.79704				
DGKH	DGKH	991.6776356	935.7973715	509.5824823
624.7441765				
OLFM4	OLFM4	0	0	1.961520177
SLC35A1	SLC35A1	1871.895705	1017.668637	2111.923898
1423.082889				
ERICH2	ERICH2	1.041678189	10.5640343	5.575300681
9.807600887				
TMPRSS3	TMPRSS3	954.1772208	984.215862	787.2324562
925.8375237				
ANKRD28	ANKRD28	2686.488049	4434.253396	1936.859457
2740.243688				
SIRT6	SIRT6	88.54264604	183.990264	55.75300681
63.74940576				
DOC2A	DOC2A	79.16754234	180.4689192	46.83252572
67.67244612				
ACTN4	ACTN4	1839.603681	3768.719236	983.4830402
1030.778853				
PDCD1	PDCD1	2167.732311	2753.691607	1400.515531
3290.450097				
CCT6A	CCT6A	31145.13616	20423.79964	26068.99093
25261.4376				
EDN2	EDN2	1.041678189	0	1.115060136
NDUFA4	NDUFA4	17640.82013	19096.25266	14800.19319
15025.24456				
RPL31	RPL31	9929.276495	12860.83142	18824.44522
14385.78898				
ACTN1	ACTN1	8657.387426	4112.05035	10765.90562
8512.01681				
PRPF4	PRPF4	6179.235015	4630.568367	5586.451283

5583.467185				
NDUFA8	NDUFA8	3713.582743	3028.356499	2346.086527
2594.110435				
ITPK1	ITPK1	2768.780626	3057.407593	1931.284156
1940.924215				
FZD3	FZD3	951.0521863	1146.197721	759.3559528
1045.490255				
RCBTB1	RCBTB1	2523.986251	2573.222688	1898.947412
2286.151767				
DDX31	DDX31	1487.516453	925.2333372	1390.47999
1355.410443				
PMFBP1	PMFBP1	6.250069132	4.401680957	12.2656615
11.76912106				
NLRP8	NLRP8	1.041678189	0	0
CALCOC02	CALCOC02		7891.753958	5627.989272
10057.84243	5528.54462			
C5orf45	C5orf45	847.9260456	826.6356838	1452.923358
1286.757236				
GOLGA8B	GOLGA8B	540.6309799	841.601399	409.22707
645.3401383				
KRT39	KRT39	0	0	0.980760089
EIF2AK1	EIF2AK1	17557.48587	14427.82984	11626.73204
14009.17711				
ATF7	ATF7	1181.263066	1600.451196	1508.676364
1363.256523				
PABPC1L	PABPC1L	196.8771777	343.3311147	146.0728779
303.0548674				
HM13	HM13	12848.05878	8004.016653	10840.61464
8900.397805				
MKRN3	MKRN3	60.41733494	91.55496391	26.76144327
99.05676896				
NELFA	NELFA	1991.688697	1671.758428	1873.301029
1970.347018				
UPF1	UPF1	6474.029943	6672.948331	8163.355258
6788.821334				
CARD9	CARD9	67.70908227	70.42689532	91.43493117
74.53776674				
CEP164	CEP164	512.5056688	564.2954987	499.546941
482.5339636				
KIF3C	KIF3C	88.54264604	257.0581679	157.2234792
150.0562936				
CIB1	CIB1	8004.255202	7011.877765	7895.740825
8301.15339				
COX10	COX10	5016.722157	4614.722316	2680.604568
3053.106156				
CLIC2	CLIC2	53.12558762	9.683698106	129.3469758
33.34584301				
CLIC1	CLIC1	1.041678189	0	0
PSMB9	PSMB9	25.00027653	120.6060582	33.45180409
187.3251769				

PMCH	PMCH	1062.511752	621.5173512	370.1999652	
439.3805197					
GMFB	GMFB	5870.898272	4295.160278	4873.927856	
4312.40211					
TJP2	TJP2	3663.58219	5156.129073	1334.726983	
2175.325877					
TMEM136	TMEM136	28.12531109	29.05109432	23.41626286	
44.13420399					
PPAN-P2RY11	PPAN-P2RY11		5754.230314	4337.416415	
5282.039865	5939.483097				
FCRLA	FCRLA	0	1.760672383	0	
LOH12CR2	LOH12CR2		42.70880574	50.17916291	
13.38072164	19.61520177				
LTB4R	LTB4R	194.7938213	471.8601986	128.2319157	
347.1890714					
SEC24A	SEC24A	4230.255124	4947.489396	3586.033398	
3476.794514					
NR4A1	NR4A1	2920.865641	2052.943998	4783.607985	
8580.670016					
IMPA1	IMPA1	4241.713584	3678.044608	3299.462943	
3288.488577					
NCKAP1	NCKAP1	107.2928534	211.2806859	322.2523794	
550.2064097					
CCDC113	CCDC113	34.37538023	31.69210289	78.05420954	
95.1337286					
TNP02	TNP02	622.9235568	1409.418242	753.7806521	
661.0322998					
KLRC4	KLRC4	8.33342551	0	63.55842777	4.903800443
EFHD2	EFHD2	8300.091808	10571.95732	4915.185081	
6754.494731					
EMC3	EMC3	5278.183382	3843.547812	3652.937006	
3154.124445					
ZNF239	ZNF239	8.33342551	20.2477324	168.3740806	
243.228502					
MAPK6	MAPK6	5787.564016	4982.702844	3310.613545	
3013.875752					
C19orf80	C19orf80		0	0.880336191	0
ZNHIT3	ZNHIT3	3760.458261	3192.979366	3710.920133	0
2744.166728					
NR0B2	NR0B2	7.291747321	1.760672383	11.15060136	
1.961520177					
SNORD51	SNORD51	4.166712755	3.521344766	4.460240545	
9.807600887					
MIR6764	MIR6764	10.41678189	14.08537906	11.15060136	
10.78836098					
MIR6763	MIR6763	0	0	0.980760089	
MIR6762	MIR6762	1.041678189	4.401680957	4.460240545	
0.980760089					
EHF	EHF	0	0.880336191	0	3.923040355
MGST2	MGST2	1009.386165	1441.990682	405.8818896	

747.3391876					
ADAT1	ADAT1	1809.395014	1422.623285	1916.788374	
1464.274812					
DNPEP	DNPEP	4646.9264	3379.610639	6133.94581	
4502.669567					
CABYR	CABYR	1.041678189	23.76907717	177.2945617	
68.65320621					
B3GAT3	B3GAT3	2409.40165	2623.40185	1701.581768	
2506.822787					
C4orf26	C4orf26	660.4239716	259.6991765	221.8969671	
451.1496408					
SNX24	SNX24	238.5443052	244.7334612	195.1355238	
147.1140133					
DESI1	DESI1	5812.564293	4564.543153	3526.935211	
4019.154843					
ARHGEF17	ARHGEF17	0	5.282017149	6.690360818	
0.980760089					
ORAI3	ORAI3	1153.137755	860.088459	662.3457209	
803.2425126					
ARRDC1	ARRDC1	2246.899853	2287.113425	2366.157609	
2701.013284					
RPS29	RPS29	7228.204951	9887.936102	12345.94583	
9318.201602					
GAGE10	GAGE10	0	1.115060136	0.980760089	
AMOT	AMOT	20.83356377	14.08537906	47.94758586	
36.28812328					
SAMD13	SAMD13	6.250069132	22.00840479	6.690360818	
14.71140133					
ZNF213	ZNF213	576.0480384	595.1072654	515.157783	
467.8225623					
CTNNB1	CTNNB1	10171.98751	7811.223027	9402.187069	
7683.274535					
MBOAT4	MBOAT4	25.00027653	29.93143051	49.062646	
32.36508293					
MEX3A	MEX3A	1.041678189	2.641008574	13.38072164	0
KIFC3	KIFC3	16.66685102	3.521344766	39.02710477	
42.17268381					
PSMA4	PSMA4	24702.35657	19217.73906	17241.05983	
16603.28754					
MIR424	MIR424	3.125034566	0	0	
MIR194-1	MIR194-1	1.041678189	1.041678189	1.760672383	0
1.961520177					
SARS	SARS	14422.03452	9388.785482	19524.70299	
12741.05431					
ZBTB38	ZBTB38	2727.113498	2233.412918	4424.558621	
2900.107582					
SSBP3-AS1	SSBP3-AS1	46.09572417	34.37538023	32.57243908	
24.531323					
IBA57-AS1	IBA57-AS1	0	4.401680957	8.92048109	
0					

SLC26A11	SLC26A11		409.3795282	350.3738042
457.1746559	459.9764816			
SLC41A3	SLC41A3	876.0513567	943.7203972	1052.616769
874.8379991				
ZDHC15	ZDHC15	11.45846008	17.60672383	53.52288654
68.65320621				
FOX06	FOX06	0	1.760672383	2.230120273
				0
LOC101929057	LOC101929057		152.0850156	228.8874098
229.7023881	168.6907353			
BCAP31	BCAP31	10655.32619	8412.492645	8880.338925
8244.269305				
PRSS21	PRSS21	860.4261839	200.7166516	694.6824649
135.3448922				
F2RL2	F2RL2	65.62572589	65.14487817	33.45180409
40.21116364				
E2F2	E2F2	3756.291548	8044.512117	970.1023186
1308.333958				
WDR4	WDR4	2122.940149	1517.699594	1524.287206
1763.406639				
ARHGEF40	ARHGEF40		8.33342551	13.20504287
42.37228518	21.57672195			
BCKDHB	BCKDHB	1317.722909	1224.547642	1024.740265
1285.776476				
NRP2	NRP2	270.8363291	154.9391697	152.7632387
56.88408514				
RNF6	RNF6	7840.711726	5844.551975	6807.442132
6494.593307				
DNAJC12	DNAJC12	257.2945126	92.4353001	254.2337111
32.36508293				
DEPDC4	DEPDC4	51.04223125	66.90555055	72.47890886
111.8066501				
NXPE1	NXPE1	0	0	0.980760089
		0		0
TMEM196	TMEM196	0	4.460240545	0
		0		
TCTEX1D2	TCTEX1D2		764.5917905	792.3025723
498.4318809	579.6292124			
C19orf26	C19orf26		8.33342551	3.521344766
1.115060136	0			
FAM69A	FAM69A	4686.510171	3187.697349	4408.947779
2079.211388				
ENTPD5	ENTPD5	551.0477618	526.4410425	375.7752659
461.9380018				
SPATA25	SPATA25	1.041678189	0	15.61084191
				5.884560532
CRTC1	CRTC1	19.79188559	47.53815434	71.36384872
47.07648426				
ZNF717	ZNF717	55.208944	85.39261057	51.29276627
119.6527308				
CAMKK2	CAMKK2	2971.907872	3156.005246	2484.353984
2977.587629				
STAM2	STAM2	1784.394737	1254.479073	1691.546227
1262.238234				

CDK5R2	CDK5R2	0	0	1.115060136	0
ADCY3	ADCY3	3732.33295		4130.53741	2652.728064
		2825.569815			
TOP3B	TOP3B	1670.851815		1758.031374	1457.383598
		1814.406164			
FUBP3	FUBP3	3925.043415		3190.338358	3836.921929
		3579.774324			
FBXW2	FBXW2	3953.168726		4201.844642	3754.407479
		3747.484299			
RBMS2	RBMS2	77.08418596		229.767746	131.5770961
		161.8254146			
TRAM2	TRAM2	503.1305651		601.2696188	835.1800421
		658.0900195			
TDG	TDG	4479.216211		3868.197225	2450.90218
		2713.763165			
NEK4	NEK4	1813.561727		1564.357412	1939.089577
		1720.253196			
COCH	COCH	122.9180263		78.34992104	36.7969845
		75.51852683			
TIMM8A	TIMM8A	1059.386718		927.8743458	850.790884
		957.2218465			
DGKB	DGKB	0	0	2.230120273	0
CEP68	CEP68	1615.642871		1478.084465	2591.399757
		1646.696189			
KIF18A	KIF18A	2309.400544		2249.258969	1193.114346
		1744.772198			
CABLES2	CABLES2	2131.273574		1809.090873	1088.298693
		1286.757236			
ABHD17A	ABHD17A	4460.466004		5319.871605	2972.750323
		4575.245814			
PROK1	PROK1	0	1.760672383	0	0
GALNT14	GALNT14	3.125034566		14.96571525	37.91204463
		14.71140133			
ANKRD36BP1	ANKRD36BP1			56.25062219	360.9378385
		88.08975076	78.46080709		
SERINC4	SERINC4	558.3395091		501.7916291	1263.363134
		837.5691157			
HIST1H2BB	HIST1H2BB			36.4587366	169.0245488
		33.45180409	30.40356275		
CCNC	CCNC	6566.739302		5913.218198	5433.688044
		5473.622055			
ZNF507	ZNF507	911.4684151		1293.213865	1331.381803
		1349.525882			
ZFP30	ZFP30	251.0444435		247.3744698	394.7312882
		303.0548674			
UBE2S	UBE2S	18924.16765		11401.23402	8839.0817
		9043.588778			
MDH2	MDH2	20562.72744		16267.73248	14332.98299
		16946.55357			
RAB30	RAB30	335.4203768		327.4850632	803.9583582

449.1881206				
RBMS3 RBMS3	25.00027653	26.41008574	26.76144327	
73.55700665				
TIMM22 TIMM22	3296.911467	2096.080472	3196.877411	
2492.111385				
FGF13 FGF13	0 0	16.72590204	0	
CTC-360P9.3	CTC-360P9.3	0 0	0	0.980760089
PYGL PYGL	14.58349464	17.60672383	17.84096218	
25.49976231				
FUT3 FUT3	0 0	1.115060136	2.942280266	
RABEPK RABEPK	2704.196578	1842.543649	2492.159405	
2810.858414				
CBWD1 CBWD1	2148.982103	1708.732548	1875.531149	
2062.538466				
MKLN1 MKLN1	3901.084817	3971.19656	4104.536362	
4524.246289				
KDM8 KDM8	530.214198	575.7398692	551.9547675	
474.6878829				
HSPA4L HSPA4L	90.62600242	33.45277527	62.44336763	
67.67244612				
ACP1 ACP1	10306.364	7400.986361	9949.681596	
8233.480944				
TUFT1 TUFT1	246.8777307	358.2968299	568.6806695	
501.1684053				
ZNF77 ZNF77	200.0022122	318.6817013	394.7312882	
547.2641295				
PHF20L1 PHF20L1	4228.171768	3553.036869	4721.164617	
4473.246764				
LOC101929231	LOC101929231	827.0924818	700.7476084	
633.3541574	582.5714927			
LOC101928386	LOC101928386	0 0	1.115060136	
2.942280266				
LOC101928371	LOC101928371	679.174179	792.3025723	
694.6824649	608.071255			
LOC101928222	LOC101928222	1.041678189	1.760672383	
6.690360818	0			
LOC101927492	LOC101927492	1030.219729	688.4229017	
879.7824475	898.3762412			
LOC101927482	LOC101927482	1819.811796	849.5244247	
1332.496863	715.9548647			
ELMOD2 ELMOD2	1158.346146	1242.154366	1215.415549	
1185.738947				
TMEM219 TMEM219	2276.066842	2885.742036	2444.211819	
2526.437988				
CEP162 CEP162	419.79631	511.4753272	682.4168034	
528.6296878				
NPLOC4 NPLOC4	15875.1756	12627.54233	11092.61824	
11322.87522				
CCNJL CCNJL	4.166712755	2.641008574	0	8.826840798
PRDM15 PRDM15	527.0891635	769.4138313	366.8547848	

668.8783805					
GNG3	GNG3	152.0850156	199.8363155	197.3656441	
193.2097375					
NAT6	NAT6	440.6298738	419.9203633	448.2541748	
489.3992842					
JAKMIP2	JAKMIP2	75.00082959	151.4178249	41.25722504	
134.3641321					
COPZ2	COPZ2	130.2097736	135.5717735	108.1608332	
151.0370537					
SENP6	SENP6	4132.337375	4034.580765	4892.883878	
4841.031798					
ISCU	ISCU	6972.993795	5677.288099	10887.44717	
7014.396154					
STX17	STX17	1555.225536	1558.195059	2462.052781	
2062.538466					
RNF34	RNF34	11397.00106	8070.041867	9271.725033	
8684.630585					
FAM169A	FAM169A	578.1313947	1174.368479	1454.038418	
1387.775525					
LTN1	LTN1	3251.077627	3999.367318	2728.552153	
3218.854611					
LINC00639	LINC00639		1.041678189	0	0
RCOR3	RCOR3	2036.480859	1811.731882	2522.266028	0
1973.289298					
P4HA1	P4HA1	2255.233279	2244.857288	2270.262437	
3293.392378					
KIAA0430	KIAA0430		1213.55509	2192.917453	
1963.6209	1417.198328				
SLC52A2	SLC52A2	5091.722986	3090.860368	3554.811714	
2785.358652					
STXBP2	STXBP2	4617.759411	5554.041032	3902.710477	
4819.455076					
MYRF	MYRF	21.87524196	84.51227438	0	63.74940576
YIF1A	YIF1A	3779.208469	3086.458687	3407.623776	
3469.929194					
ZCWPW2	ZCWPW2	18.7502074	12.32470668	24.531323	
10.78836098					
PRKAR1A	PRKAR1A	24679.43965	24150.26274	20934.139	
23582.37633					
LOC101929441	LOC101929441		6.250069132	8.803361914	
53.52288654	26.48052239				
NSL1	NSL1	3874.001184	3621.703092	3541.430993	
3264.950335					
GSK3A	GSK3A	1139.595938	2421.804863	1008.014363	
1102.37434					
GMNN	GMNN	7526.124913	6834.049854	3749.947238	
4295.729188					
TRIM24	TRIM24	1787.519772	2073.191731	1305.73542	
1642.773149					
MCM5	MCM5	28308.64646	25595.77477	13797.75413	

19881.96852					
C11orf52	C11orf52		4.166712755	2.641008574	0
	5.884560532				
ZNF689	ZNF689	1973.980168	1628.621954	2173.252206	
1988.0007					
FPGT-TNNI3K	FPGT-TNNI3K		205.2106032	116.2043773	
147.187938		174.5752958			
MOCOS	MOCOS	7.291747321	18.48706002	20.07108245	
28.44204257					
KIF1C	KIF1C	1137.512582	1785.321796	1784.096218	
1547.63942					
SND1	SND1	16391.84798	14097.70377	14650.77513	
15559.75881					
PELP1	PELP1	390.6293208	1626.861282	647.8499392	
723.8009454					
CCSAP	CCSAP	705.2161337	1008.865275	856.3661847	
801.2809924					
CHMP5	CHMP5	7151.120765	5145.565039	7141.960173	
5269.623956					
SLC35B1	SLC35B1	5305.267015	3825.941088	3622.830383	
3092.33656					
CENPH	CENPH	1785.436415	2048.542317	1383.789629	
1849.713527					
CCDC14	CCDC14	931.2603007	1231.590332	837.4101623	
944.4719654					
CAPNS1	CAPNS1	1281.264172	5126.197643	1110.599896	
1348.545122					
CAPN2	CAPN2	27213.84268	19929.93104	9818.1045	
10254.82749					
RAPGEF4	RAPGEF4	1.041678189	0	0	0
EPHX3	EPHX3	2.083356377	5.282017149	2.230120273	
1.961520177					
COMMD7	COMMD7	5192.765771	4084.759928	3318.418966	
3438.544871					
NT5C3B	NT5C3B	3334.411882	1677.920781	3090.946698	
2204.748679					
AKTIP	AKTIP	3367.745584	2566.179998	2449.787119	
2350.881933					
MINOS1-NBL1	MINOS1-NBL1		1979.188559	2156.823669	
2229.005212		2108.634191			
AK4	AK4	1439.599257	1955.226681	1342.532404	
3749.445819					
MAFB	MAFB	4.166712755	32.57243908	8.92048109	0
GABBR2	GABBR2	0	0	1.961520177	
CELA3A	CELA3A	0	16.72590204	0	
ZNF263	ZNF263	2641.695887	2181.473082	3733.221336	
2881.473141					
DNAL4	DNAL4	357.2956187	396.1512861	367.969845	
344.2467911					
SPRY4	SPRY4	8.33342551	6.16235334	0	5.884560532

PTPN3	PTPN3	314.586813	1199.017893	49.062646	
368.7657933					
SMTNL1	SMTNL1	37.50041479	44.01680957	367.969845	
144.171733					
MAP3K9	MAP3K9	285.4198237	368.8608642	411.4571903	
261.8629437					
MIR503HG	MIR503HG		4.166712755	12.32470668	0
3.923040355					
ZCCHC18	ZCCHC18	54.16726581	25.52974955	121.5415549	
60.8071255					
CD24	CD24	9.375103698	6.16235334	0	2.942280266
CDKN2A	CDKN2A	2541.69478	541.4067577	504.0071816	
194.1904976					
CDK4	CDK4	11736.58815	9178.385132	11644.573	
12509.59493					
CD40LG	CD40LG	19214.79587	7580.574944	8959.508195	
7612.659808					
SLC30A7	SLC30A7	3141.701417	3769.599572	3810.160486	
3221.796891					
PRICKLE1	PRICKLE1		40.62544936	99.47798963	
16.72590204	16.67292151				
MGRN1	MGRN1	486.4637141	1419.101941	463.8650167	
540.3988089					
C21orf58	C21orf58		463.546794	804.627279	
259.8090118	416.8230377				
ZBTB21	ZBTB21	657.2989371	950.7630868	1663.669723	
1404.448447					
TFAP2D	TFAP2D	1.041678189	0	0	0
KREMEN2	KREMEN2	54.16726581	69.54655912	20.07108245	
51.9802847					
ACAN	ACAN	3.125034566	7.042689532	44.60240545	
16.67292151					
TTC24	TTC24	20.83356377	232.4087545	102.5855325	
223.6133002					
VDAC3	VDAC3	29760.74585	19573.39488	15826.04851	
15755.91082					
HHIPL1	HHIPL1	0	0	11.76912106	
ELK1	ELK1	1630.226365	3029.236835	1861.035367	
2079.211388					
FAM196B	FAM196B	4.166712755	23.76907717	7.805420954	
3.923040355					
LRRC69	LRRC69	36.4587366	38.73479242	59.09818722	
53.94180488					
DCT	DCT	0	0	11.76912106	
CYHR1	CYHR1	746.8832613	622.3976873	751.5505318	
868.9534386					
DHRS2	DHRS2	175.0019357	2.641008574	167.2590204	
54.92256497					
INPPL1	INPPL1	664.5906844	3040.681205	935.5354543	
1172.008306					

RHOBTB1	RHOBTB1	0	22.00840479	0	0.980760089
PPP5C	PPP5C	7026.119383	5458.084387		5102.515184
		5487.352696			
LRRC37A	LRRC37A	52.08390943	55.46118006		57.98312709
		57.86484523			
CCDC96	CCDC96	79.16754234	61.6235334		43.48734531
		35.30736319			
LN2	LN2	941.6770826	1083.693852		1119.520377
		741.454627			
OSBPL5	OSBPL5	19.79188559	176.0672383		16.72590204
		152.9985738			
PRPSAP2	PRPSAP2	2038.564215	2130.413583		2079.587154
		1644.734669			
UBXN8	UBXN8	707.2994901	365.3395194		372.4300855
		220.67102			
SLC25A14	SLC25A14		701.049421		778.2171932
		478.3607985	552.1679299		
N4BP2L2	N4BP2L2	4408.382095	4244.100779		6991.427054
		6000.290222			
KCNMB4	KCNMB4	34.37538023	42.25613719		92.54999131
		59.82636541			
PRPF38A	PRPF38A	9566.772485	7437.080145		7435.220989
		7058.530358			
CADM4	CADM4	1.041678189	7.923025723	0	3.923040355
		C10orf35	210.4189941		133.8111011
		885.3577482	600.2251743		
HIST2H4B	HIST2H4B		1.041678189		0.880336191
		2.230120273	0		
MICALL2	MICALL2	14.58349464	40.49546481		11.15060136
		48.05724434			
MBP	MBP	4685.468493	9519.955574		5730.29404
		8408.05624			
PLEKHH3	PLEKHH3	47.91719668	37.85445623		14.49578177
		6.865320621			
PPP1R14B	PPP1R14B		5824.022753		3680.685616
		5648.89465	5158.798066		
ZNF606	ZNF606	239.5859834	386.467588		638.9294581
		627.6864567			
ANKRD34A	ANKRD34A		84.37593328		58.10218863
		115.9662542	188.305937		
MECP2	MECP2	1063.553431	1396.2132		1336.957103
		882.6840798			
HIF1A	HIF1A	13804.31936	18927.22812		21121.4691
		33792.08886			
TSPAN4	TSPAN4	338.5454113	498.2702844		171.719261
		285.4011858			
CLLU10S	CLLU10S	0	3.345180409	0	0.980760089
CHI3L2	CHI3L2	120.8346699	185.7509364		734.8246298
		462.9187619			
VMAC	VMAC	128.1264172	128.529084		151.6481785

125.5372913					
RASSF5	RASSF5	37996.25361	28167.23678	24286.00977	
34051.99028					
CREM	CREM	11615.75348	5172.855461	10315.42132	
7896.099474					
FILIP1L	FILIP1L	423.9630228	163.7425316	76.9391494	
45.11496408					
TMEM191B	TMEM191B		3.125034566	0.880336191	
16.72590204	0.980760089				
FAM131C	FAM131C	48.95887487	9.683698106	40.14216491	
29.42280266					
WASH1	WASH1	140.6265555	255.2974955	120.4264947	
157.9023743					
ZFP2	ZFP2	10.41678189	0.880336191	49.062646	
19.61520177					
PPFIBP2	PPFIBP2	396.8793899	109.1616877	1312.42578	
340.3237508					
TMEM204	TMEM204	2368.776201	1913.85088	1553.27877	
1679.061272					
APOL4	APOL4	521.8807725	6.16235334	111.5060136	
20.59596186					
MIR4678	MIR4678	0	1.760672383	0	2.942280266
MIR4677	MIR4677	2.083356377	2.641008574	1.115060136	0
MIR4676	MIR4676	1.041678189	0	0	0
WNK2	WNK2	0	5.282017149	5.575300681	9.807600887
HIST1H1E	HIST1H1E		1179.17971	2060.867024	
1249.982413	967.0294474				
ZNF232	ZNF232	739.591514	694.585255	1305.73542	
1121.008781					
CNOT3	CNOT3	654.1739025	1668.237083	865.2866657	
767.9351494					
DECR1	DECR1	5914.648755	6948.493559	3665.202668	
4566.418973					
DHX15	DHX15	20416.8925	17124.2996	15768.06539	
17965.5633					
TNFSF14	TNFSF14	1353.139967	897.0625791	2019.373907	
3084.490479					
MRPL36	MRPL36	3056.283806	3448.276862	2392.919052	
2972.683829					
MRPL38	MRPL38	5537.561251	3922.778069	3967.383965	
3874.98311					
CEP192	CEP192	1201.054952	2263.344348	1528.747447	
1509.389776					
TRIM13	TRIM13	1078.136925	1052.001749	1326.921562	
1329.91068					
ZNF773	ZNF773	434.3798047	462.1765005	992.4035213	
697.320423					
TMEM205	TMEM205	1304.181092	1445.512026	1362.603487	
1487.813055					
HSD11B1L	HSD11B1L		50.00055306	44.89714576	

72.47890886	116.7104506			
ATP9B ATP9B	1141.679295	1052.882085	1173.043263	
1245.565313				
ARID3A ARID3A	210.4189941	347.7327956	120.4264947	
112.7874102				
LRP2BP LRP2BP	28.12531109	71.30723151	75.82408927	
38.24964346				
TMEM184B	TMEM184B	3481.288507	2935.921198	
2283.643159	2822.627535			
TTLL1 TTLL1	311.4617784	290.5109432	229.7023881	
382.4964346				
PMPCB PMPCB	6992.785681	5771.484071	5818.383791	
6250.384045				
PAXBP1 PAXBP1	2552.111562	2431.488561	2663.878666	
2450.919462				
TMEM171 TMEM171	0 0	0 6.865320621		
CDC45 CDC45	8389.676132	7229.320804	4417.86826	
5948.309938				
CPT2 CPT2	2876.073479	2670.940005	2551.257592	
3321.83442				
DDB2 DDB2	8038.630582	4951.010741	6421.631325	
5679.581673				
ADCY1 ADCY1	136.4598427	95.07630868	46.83252572	
81.40308736				
ATG4D ATG4D	1637.518113	1475.443457	1246.637232	
1285.776476				
PHB PHB	15414.75384	10018.22586	12750.71266	
13641.39207				
PDE6B PDE6B	87.50096785	259.6991765	372.4300855	
597.282894				
PIK3CD PIK3CD	21621.07248	25481.33106	15210.53532	
18102.86972				
PAPSS2 PAPSS2	127.084739	124.127403	76.9391494	
384.4579548				
DDX19B DDX19B	3116.701141	2567.94067	2420.795556	
2546.05319				
SUGP2 SUGP2	2069.814561	3400.738708	1933.514276	
2303.805448				
EIF6 EIF6	11136.58152	7885.171267	9107.811193	
9015.146735				
RSBN1L RSBN1L	1220.846837	1243.915039	1310.19566	
1284.795716				
MIR21 MIR21	31.25034566	47.53815434	44.60240545	
33.34584301				
BACH1-IT2	BACH1-IT2	3.125034566	0 0	
0.980760089				
SPATC1 SPATC1	1.041678189	0.880336191	6.690360818	
2.942280266				
PIGA PIGA	1301.056058	1289.69252	1243.292052	
1219.08479				

MYRIP MYRIP	7.291747321	3.521344766	1.115060136
8.826840798			
C16orf93 C16orf93	90.62600242	67.78588674	
66.90360818	82.38384745		
DNAJA4 DNAJA4	2035.439181	2185.874763	1733.918512
1867.367209			
SPNS2 SPNS2	780.2169633	852.1654333	898.7384698
878.7610394			
LEMD3 LEMD3	2785.447477	2994.903723	3583.803278
2903.049862			
NRSN1 NRSN1	0 0	1.115060136	0
NDRG2 NDRG2	83.3342551	115.3240411	710.2933068
562.9562909			
TMBIM4 TMBIM4	6939.660093	7488.139644	6106.069306
6995.761712			
MAPT-IT1 MAPT-IT1	0 0	0 0.980760089	
IFT80 IFT80	793.7587798	1076.651162	725.9041487
930.7413241			
ENDOU ENDOU	7.291747321	1.760672383	33.45180409
9.807600887			
TRAPPC9 TRAPPC9	772.925216	1210.462263	980.1378598
1125.912582			
LILRB1 LILRB1	0 1.760672383 0	3.923040355	
ZSWIM7 ZSWIM7	439.5881956	529.9623872	777.196915
690.4551024			
TCN2 TCN2	191.6687867	114.4437049	65.78854804
61.78788559			
SAA4 SAA4	0 0	2.230120273	0
GOLT1A GOLT1A	0 0	0 8.826840798	
NRN1L NRN1L	5.208390943	9.683698106	21.18614259
4.903800443			
DERL3 DERL3	314.586813	249.1351422	140.4975772
257.9399033			
KBTBD3 KBTBD3	670.8407535	779.9778656	751.5505318
708.108784			
TFAM TFAM	4255.255401	4117.332367	4504.842951
4721.379067			
PITPNM1 PITPNM1	5022.972226	8159.836158	3342.950289
6870.224421			
SP4 SP4	1868.770671	2839.964554	2070.666673
1069.028497			
GAPVD1 GAPVD1	6695.907397	6268.874019	6365.878318
6508.323948			
F2RL3 F2RL3	203.1272468	103.8796706	5.575300681
6.865320621			
BCL2L2 BCL2L2	31.25034566	7.042689532	1.115060136
4.903800443			
B2M B2M	480865.7355	452513.9305	814714.2283
523104.0855			
MTMR7 MTMR7	94.79271517	96.83698106	84.74457036

114.7489304				
HNRNPA2B1	HNRNPA2B1		88472.8536	95073.66767
74238.47375	84583.69233			
SNORD114-25	SNORD114-25		0 0	0 1.961520177
SLC38A9 SLC38A9	1870.854027		1424.383958	1328.036622
1164.162225				
AGAP1 AGAP1	0 12.32470668		0	17.6536816
ZNF501 ZNF501	86.45928966		49.29882672	198.4807043
164.7676949				
ACTN2 ACTN2	1.041678189		5.282017149	4.460240545
5.884560532				
RYR2 RYR2	20.83356377		9.683698106	32.33674395
5.884560532				
MCTP1 MCTP1	14.58349464		57.22185244	13.38072164
16.67292151				
CCDC159 CCDC159	163.5434756		203.3576602	309.9867179
324.6315893				
C11orf57	C11orf57		1088.553707	1119.787636
1164.122782	1069.028497			
TMEM8B TMEM8B	48.95887487		114.4437049	195.1355238
145.1524931				
WDR33 WDR33	6500.071897		7570.01091	6716.007201
6763.321571				
RBM12 RBM12	7763.62754		8695.080563	7518.850499
7900.022514				
SELP SELP	61.45901313		25.52974955	320.0222591
79.44156718				
SASH1 SASH1	128.1264172		80.11059342	37.91204463
50.99952461				
CTC1 CTC1	2244.816497		2409.480156	3607.219541
3194.335609				
SPTBN4 SPTBN4	7.291747321		10.5640343	36.7969845
27.46128248				
DTX1 DTX1	12.50013826		5.282017149	140.4975772
161.8254146				
ARHGAP35	ARHGAP35		764.5917905	1940.260966
811.7637792	1015.086692			
UTP14A UTP14A	2788.572511		1701.689858	2676.144327
2283.209486				
RCAN1 RCAN1	1634.393078		1636.54498	1936.859457
1714.368635				
DMPK DMPK	70.83411683		73.94824008	74.70902913
79.44156718				
STARD10 STARD10	591.6732112		847.7637524	711.4083669
823.8384745				
UBN2 UBN2	245.8360525		290.5109432	229.7023881
237.3439415				
ZDHHC23 ZDHHC23	38.54209298		64.26454197	95.89517172
135.3448922				
KLHL2 KLHL2	4917.762729		2682.384375	3542.546053

3395.391427						
IL18R1	IL18R1	3512.538852	1949.064328	3127.743682		
3550.351521						
CLCN4	CLCN4	35.41705842	3.521344766	11.15060136	0	
FAM189B	FAM189B	71.87579502	358.2968299	114.851194		
141.2294528						
P2RX1	P2RX1	4.166712755	32.57243908	0	4.903800443	
OSBP	OSBP	6183.401728	5727.467261	8695.238943		
6773.129172						
CPNE4	CPNE4	4.166712755	0.880336191	2.230120273		
1.961520177						
PRKAG1	PRKAG1	4721.927229	3347.0382	3335.144868		
3395.391427						
ME3	ME3	108.3345316	147.8964802	70.24878858		
126.5180514						
HCG18	HCG18	175.0019357	21.12806859	200.7108245		
50.99952461						
PCIF1	PCIF1	4012.544383	3659.557548	4444.629703		
4159.403536						
NSFP1	NSFP1	204.168925	113.5633687	211.8614259		
152.0178137						
TAF6	TAF6	3767.750009	4410.484319	3224.753914		
4179.018738						
PLXNB2	PLXNB2	383.3375734	394.3906138	815.1089596		
473.7071228						
PPTC7	PPTC7	2230.233002	2791.546063	3158.965366		
2575.475993						
RHOXF1	RHOXF1	0	0	1.961520177		
DCUN1D5	DCUN1D5	4645.884722	3533.669472	3416.544258		
3176.681927						
C9orf64	C9orf64	2239.608106	2062.627697	1849.884766		
1987.01994						
GARNL3	GARNL3	11.45846008	20.2477324	23.41626286		
26.48052239						
AKAP13	AKAP13	7528.20827	13724.44122	10138.12676		
10998.24363						
MAGI3	MAGI3	392.7126771	567.8168435	450.4842951		
432.5151991						
CHST13	CHST13	1.041678189	0	1.115060136	0	
COL22A1	COL22A1	0	0	0.980760089		
OXER1	OXER1	11.45846008	3.521344766	11.15060136		
4.903800443						
TCTN1	TCTN1	343.7538023	308.117667	323.3674395		
347.1890714						
ANTXRLP1	ANTXRLP1		82.29257691	161.101523		
73.59396899						
LOC101928790	LOC101928790		2.083356377	0.880336191	0	
0						
ADAMTS8	ADAMTS8	1.041678189	2.641008574	2.230120273	0	
SNX1	SNX1	8361.550821	7344.644845	6285.593988		

7410.62323						
LEMD1-AS1	LEMD1-AS1	0	0.880336191	0	0	
LINC00624	LINC00624	0	0	0	0.980760089	
LOC100507346	LOC100507346	5.208390943		16.72638764		
43.48734531	32.36508293					
LINC01281	LINC01281	465.6301503		580.1415502		
792.8077569	1435.83277					
FRMD6-AS2	FRMD6-AS2	0	0	0	0.980760089	
COA1 COA1	2388.568087	2864.613967		2156.526304		
2539.18787						
ATP12A ATP12A	38.54209298	9.683698106		33.45180409		
10.78836098						
BCAS1 BCAS1	1.041678189	9.683698106		23.41626286		
9.807600887						
CST7 CST7	1879.187452	2756.332615		725.9041487		
1422.102129						
C2orf40 C2orf40	0 0	13.38072164		2.942280266		
BAZ1B BAZ1B	6922.993242	7731.992769		6759.494546		
6185.653879						
KIAA1683	KIAA1683	5.208390943		5.282017149		
7.805420954	10.78836098					
TTYH3 TTYH3	239.5859834	1228.068987		285.4553949		
443.3035601						
TMPRSS11B	TMPRSS11B	0	0.880336191	0	0	
WDR61 WDR61	5101.09809	3935.983112		3824.656267		
4233.941303						
LRRC8A LRRC8A	10354.2812	7179.141641		4055.473716		
3885.771471						
ATP2B3 ATP2B3	1.041678189	0	0	0		
CWF19L2 CWF19L2	469.7968631	578.3808778		989.0583409		
615.9173357						
TNS1 TNS1	57.29230038	2.641008574		32.33674395		
27.46128248						
VPS16 VPS16	4226.088412	3604.976704		2876.855152		
3864.194749						
GIGYF1 GIGYF1	95.83439336	472.7405348		248.6584104		
235.3824213						
RAP1A RAP1A	5481.310629	6157.071323		4973.168208		
4641.9375						
H00K2 H00K2	69.79243864	145.2554716		122.656615		
165.748455						
FCER2 FCER2	71.87579502	0	186.2150428	5.884560532		
PRKDC PRKDC	8026.130444	14676.08465		7168.721616		
7644.044131						
MAD2L1BP	MAD2L1BP	3828.167343		3171.851298		
3241.479816	2922.665064					
PEG3 PEG3	0 1.760672383	0		1.961520177		
SLC26A4 SLC26A4	533.3392326	181.3492554		228.5873279		
147.1140133						
ITGA6 ITGA6	682.2992136	1346.914373		2131.994981		

1458.390252				
CCDC169-SOHLH2	CCDC169-SOHLH2	6.250069132	8.803361914	
2.230120273	5.884560532			
TIMP1	TIMP1	2690.654761	2457.01831	1584.500454
3606.254846				
TIAM1	TIAM1	2907.323825	4061.871187	5247.473001
5927.713976				
HLTF	HLTF	1667.72678	2250.139305	1722.767911
1964.462458				
RPL22	RPL22	2733.363567	3002.826749	2856.784069
2778.493331				
EIF2S2	EIF2S2	5580.270057	5059.292092	4326.433329
4466.381444				
FZD2	FZD2	0	0.880336191	1.115060136
0				0
CHURC1-FNTB	CHURC1-FNTB	4585.467387	4124.375057	
5337.792872	4603.687856			
PSMA6	PSMA6	27174.25891	21090.21414	23800.95861
20947.07397				
PSMA1	PSMA1	28888.86121	22676.57996	19384.20541
20790.15236				
MAP7D2	MAP7D2	15.62517283	59.86286102	24.531323
40.21116364				
RASIP1	RASIP1	2.083356377	66.02521436	1.115060136
55.90332505				
LAT2	LAT2	841.6759765	1318.743615	148.3029981
509.9952461				
GEMIN6	GEMIN6	1986.480306	1550.272033	1594.535995
1661.40759				
TBP	TBP	2791.697546	2162.105686	2330.475685
2643.148439				
NPL	NPL	523.9641289	342.4507785	521.8481438
429.5729188				
GRAMD1A	GRAMD1A	1803.144945	2213.165185	2945.98888
2897.165302				
NEK11	NEK11	13.54181645	15.84605145	80.28432981
77.480047				
GPN1	GPN1	7522.999879	5602.459522	4976.513388
5177.432508				
IFI44L	IFI44L	1009.386165	326.604727	12158.61573
3251.219694				
ROM1	ROM1	84.37593328	58.98252483	143.8427576
104.9413295				
FBXL13	FBXL13	9.375103698	11.44437049	27.87650341
31.38432284				
NDC1	NDC1	7143.829018	5912.337862	4863.892314
4970.492129				
CDKN2C	CDKN2C	2662.52945	1778.279107	986.8282206
947.4142457				
KAT6A	KAT6A	1987.521984	3738.787805	3288.312342
2620.590957				

CD163	CD163	0	0	2.230120273	2.942280266	
NFIB	NFIB	0	0.880336191	2.230120273	0	
RND1	RND1	171.8769011		200.7166516	223.0120273	
95.1337286						
SUPT20H	SUPT20H	5711.521509		5838.389622	5067.948319	
5244.124194						
ZFAND4	ZFAND4	1043.761545		807.2682875	1142.93664	
942.5104452						
LRP10	LRP10	5026.09726		7700.300667	6506.375895	
6485.766466						
FAM172A	FAM172A	1013.552878		934.9170353	1058.192069	
1264.199754						
BARD1	BARD1	2703.1549		3230.833823	1799.70706	
2139.037753						
HOXA7	HOXA7	0	5.282017149	0	0.980760089	
FAM134A	FAM134A	2093.773159		3363.764587	3291.657522	
2965.818508						
TMEM248	TMEM248	10988.66321		9371.178758	10736.91405	
9541.814903						
INHBB	INHBB	0	0	0	0.980760089	
LOC101928694	LOC101928694			0	3.521344766	0
SNORA2B	SNORA2B	14.58349464		14.96571525	8.92048109	
13.73064124						
SNORA2A	SNORA2A	0	0.880336191	0	0	
SNORA6	SNORA6	25.00027653		22.88874098	28.99156354	
12.74988115						
SHF	SHF	205.2106032		129.4094201	585.4065715	
397.2078359						
TPCN1	TPCN1	996.8860266		1554.673714	1410.551072	
2005.654381						
GPR87	GPR87	17.70852921		28.17075813	11.15060136	
23.53824213						
GRHL3	GRHL3	0	22.00840479	0	8.826840798	
HRASLS	HRASLS	0	0.880336191	0	0	
PFKL	PFKL	13167.85398		17450.90432	7741.862526	
13287.33768						
SPPL2B	SPPL2B	697.9243864		1087.215196	606.5927141	
747.3391876						
LZIC	LZIC	1373.973531		1118.026963	1202.034827	
1160.239185						
KTI12	KTI12	2129.190218		1535.306318	2063.976312	
1877.17481						
PHF21B	PHF21B	0	0.880336191	0	0	
CNBD2	CNBD2	6.250069132		6.16235334	1.115060136	
7.846080709						
SMEK2	SMEK2	10275.11365		10093.05443	11315.63026	
10188.1358						
GLIPR1L1	GLIPR1L1			2.083356377	5.282017149	
5.575300681		7.846080709				
HERC1	HERC1	1605.226089		2494.872767	3636.211104	

2562.726112				
C1R	C1R	225.0024888	371.5018728	138.2674569
157.9023743				
TEX21P	TEX21P	12.50013826	16.72638764	5.575300681
12.74988115				
MIR3960	MIR3960	0	2.641008574	3.345180409
1.961520177				
GADD45A	GADD45A	2272.941808	992.1388878	2427.485917
1263.218994				
CHTOP	CHTOP	6456.321414	4975.660154	5955.536188
5592.294026				
LARP1B	LARP1B	620.8402005	660.2521436	724.7890886
716.9356248				
RFK	RFK	4337.547978	2909.511113	2662.763605
2045.865545				
SYN1	SYN1	79.16754234	61.6235334	57.98312709
73.55700665				
TRAF2	TRAF2	5949.024136	4408.723647	4885.078457
5025.414694				
PDK3	PDK3	3659.415477	4892.908552	3974.074326
5325.527281				
SCOC-AS1	SCOC-AS1		84.37593328	54.58084387
139.382517		86.3068878		
LOC100132077	LOC100132077		29.16698928	40.49546481
12.2656615		11.76912106		
PIGY	PIGY	8515.719193	5671.125745	10522.82251
7042.838197				
LOC101927055	LOC101927055		5.208390943	8.803361914
2.230120273		1.961520177		
ZNF79	ZNF79	795.8421362	752.6874437	1181.963744
788.5311113				
PPP3CA	PPP3CA	410.4212063	1111.86461	515.157783
357.9774324				
AFMID	AFMID	377.0875043	397.9119585	284.3403347
180.4598563				
SUV420H2	SUV420H2		141.6682337	306.3569946
139.382517		163.7869348		
EMID1	EMID1	1.041678189	0.880336191	0
4.903800443				
TRIM65	TRIM65	1334.38976	1976.35475	1781.866098
2409.727538				
S100PBP	S100PBP	1838.562003	2235.17359	1156.317361
1185.738947				
WNT5A	WNT5A	0	0	1.115060136
0				0
HIST1H2AH	HIST1H2AH		260.4195472	349.493468
88.08975076		69.6339663		
B3GALT6	B3GALT6	1787.519772	1245.675711	2113.038958
2335.189771				
ZSWIM1	ZSWIM1	478.1302886	463.9371729	789.4625765
923.8760035				
C1orf174	C1orf174		2644.820921	2181.473082
2945.98888		2409.727538		

HIST2H2AB	HIST2H2AB	3.125034566	22.00840479	0
1.961520177				
SLC51A	SLC51A	21.87524196	22.00840479	16.72590204
6.865320621				
STARD4	STARD4	2162.52392	1817.013899	1846.539586
1978.193099				
SNX29	SNX29	556.2561528	1729.860616	366.8547848
514.8990466				
PLXNA4	PLXNA4	11.45846008	10.5640343	24.531323
24.51900222				
LTC4S	LTC4S	1.041678189	1.760672383	2.230120273
8.826840798				
NFKBID	NFKBID	1853.145498	2163.866359	1429.507095
2476.419224				
HOPX	HOPX	1680.226918	5671.125745	913.2342516
2797.127773				
HFE	HFE	59.37565676	59.86286102	149.4180583
76.49928692				
EFNA1	EFNA1	9.375103698	8.803361914	62.44336763
88.26840798				
UBE2D3	UBE2D3	47708.86104	39538.53937	44834.33796
45026.69567				
UBE2E1	UBE2E1	211.4606723	593.346593	313.3318983
304.0356275				
C2orf44	C2orf44	1678.143562	1545.870352	1757.334775
1430.928969				
APIP	APIP	1605.226089	1463.999086	1148.51194
1523.120418				
ADAMTS13	ADAMTS13	21.87524196	39.61512861	
7.805420954	36.28812328			
GAS2L2	GAS2L2	1.041678189	0	0
RASSF2	RASSF2	8305.300198	13373.18708	3510.209309
6446.536063				
FAM45A	FAM45A	4021.919487	3439.4735	2071.781733
2018.404262				
NKD2	NKD2	372.9207916	185.7509364	90.31987104
55.90332505				
NKD1	NKD1	26.04195472	53.70050768	71.36384872
47.07648426				
RHOU	RHOU	87.50096785	244.7334612	24.531323
29.42280266				
SLC30A1	SLC30A1	1192.721526	703.388617	885.3577482
572.7638918				
TRPM4	TRPM4	5.208390943	1.760672383	11.15060136
11.76912106				
MXD3	MXD3	20648.14506	13516.68188	13263.64032
13403.06737				
HPR	HPR	3.125034566	0.880336191	17.84096218
0.980760089				
MTMR3	MTMR3	1677.101884	2942.963888	3002.856947

2963.856988					
CACTIN	CACTIN	1438.557579	1640.066325	1267.823375	
1330.89144					
POMP	POMP	15963.71824	14675.20431	11541.98747	
12353.65408					
LOC100129924	LOC100129924	0	0.880336191	13.38072164	
4.903800443					
ABCF2	ABCF2	10394.90665	6687.03371	9188.095523	
9177.95291					
RNA5-8S5	RNA5-8S5	0	0.880336191	0	
0.980760089					
PA2G4P4	PA2G4P4	66.66740408	78.34992104	82.51445008	
72.57624656					
NR2F1-AS1	NR2F1-AS1	0	0	2.230120273	0
FAM129A	FAM129A	6411.529251	8828.011328	3588.263519	
4087.80805					
GNG2	GNG2	9235.518821	8096.451953	6647.988532	
4927.338685					
PLB1	PLB1	45.8338403	25.52974955	56.86806695	
18.63444168					
B4GALT1	B4GALT1	1069.8035	3984.401602	1065.99749	
3055.067676					
LRRTM2	LRRTM2	5.208390943	4.401680957	0	5.884560532
NCOA2	NCOA2	2625.029036	4097.084635	1956.930539	
2669.628961					
TRPC3	TRPC3	16.66685102	20.2477324	0	9.807600887
NUP188	NUP188	18282.49389	19083.04762	15340.99735	
17865.52578					
CHMP3	CHMP3	2326.067395	1622.459601	2890.235873	
2265.555805					
RPLP2	RPLP2	9205.310154	11894.22228	12313.60908	
11044.33936					
LHB	LHB	5.208390943	4.401680957	13.38072164	
1.961520177					
NQ02	NQ02	2528.152964	643.5257559	2000.417884	
949.3757658					
FNDC7	FNDC7	1.041678189	0	3.345180409	2.942280266
LINC00161	LINC00161	1.041678189	1.041678189	0	0
CA5BP1	CA5BP1	541.6726581	338.0490975	689.1071642	0
360.9197126					
LOC645166	LOC645166	47.91719668	109.1616877		
31.22168382	56.88408514				
PCED1B-AS1	PCED1B-AS1	2395.859834	2394.514441		
6181.893395	3938.732516				
IDI2-AS1	IDI2-AS1	1131.262513	1025.591663		
972.3324388	1284.795716				
NENF	NENF	2379.192983	2115.447868	2095.197996	
2210.63324					
PCGF5	PCGF5	4450.049222	4482.671887	9956.371957	
5848.272409					

GMPR2	GMPR2	5049.014181	4032.820093	2930.378038	
3555.255321					
FAM151B	FAM151B	13.54181645	14.96571525	2.230120273	
10.78836098					
ZNF251	ZNF251	292.711571	300.1946413	682.4168034	
834.6268355					
F13A1	F13A1	0	0	0.980760089	
ATP6V1C1	ATP6V1C1		5617.770472	4542.534748	
5080.213981		4193.730139			
PLCB2	PLCB2	1211.471733	2482.54806	588.7517519	
1790.867922					
NOL6	NOL6	3840.667482	3039.800869	4572.861619	
4803.762914					
IRGQ	IRGQ	894.8015641	1702.570194	1297.929999	
1084.720658					
PLXDC2	PLXDC2	0	0	0.980760089	
CAMK2N1	CAMK2N1	3.125034566	23.76907717	8.92048109	
25.49976231					
PCDHGB7	PCDHGB7	7.291747321	4.401680957	33.45180409	
10.78836098					
CXCR2	CXCR2	33.33370204	20.2477324	34.56686422	
6.865320621					
WWTR1	WWTR1	37.50041479	93.31563629	15.61084191	
86.3068878					
SAP25	SAP25	10.41678189	90.67462772	28.99156354	
37.26888337					
CYB561A3	CYB561A3		5661.520956	4726.525012	
4006.41107		4522.284769			
ARMC6	ARMC6	3960.460473	2859.33195	2636.002162	
3312.026819					
TMEM31	TMEM31	7.291747321	0.880336191	23.41626286	
4.903800443					
PPIL3	PPIL3	2817.7395	1441.110345	2360.582308	
1697.695713					
STX1B	STX1B	5.208390943	8.803361914	15.61084191	0
C9orf171	C9orf171		1.041678189	0	0
183.9849225		379.5541543			
LOC642846	LOC642846		345.8371586	509.7146548	
183.9849225					
ZNF37A	ZNF37A	2401.068225	2204.361823	3251.515357	
3123.720882					
CSE1L	CSE1L	20847.10559	14875.04063	15242.87206	
16020.71605					
DLAT	DLAT	7045.911268	5231.837986	5254.163362	
5635.447469					
COL9A3	COL9A3	32.29202385	5.282017149	4.460240545	
10.78836098					
WISP2	WISP2	0	1.115060136	0	
NEK3	NEK3	511.4639907	628.5600407	265.3843124	
386.4194749					
ANAPC16	ANAPC16	5496.935802	5843.671639	7131.924632	

6658.380242				
QRSL1 QRSL1	3469.830047	2354.899312	2959.369602	
2520.553428				
APITD1 APITD1	1306.264449	1390.050846	935.5354543	
923.8760035				
TBC1D17 TBC1D17	567.7146128	758.849797	1050.386648	
799.3194723				
GIPR GIPR	22.91692015	36.97412004	22.30120273	
39.23040355				
HLA-DRB1	HLA-DRB1	8085.506101	14838.06651	
2251.306415	3847.521828			
GBP1 GBP1	16981.43783	9237.367657	47696.69733	
17178.99371				
ZNF189 ZNF189	120.8346699	352.1344766	139.382517	
138.2871725				
ZNF654 ZNF654	1335.431438	1279.128486	2129.76486	
1548.62018				
FBXW7 FBXW7	1748.977679	1986.918784	1925.708855	
1523.120418				
SCNN1D SCNN1D	8.33342551	8.803361914	0 29.42280266	
TOPORS TOPORS	2795.864258	2667.41866	4296.326705	
3407.160548				
SLC9A5 SLC9A5	84.37593328	122.3667306	81.39938995	
152.9985738				
NEK2 NEK2	3565.66444	4083.879592	1598.996235	
2646.090719				
YY1 YY1	1556.267214	1964.030043	1816.432962	
1472.120893				
PDE6C PDE6C	0 1.760672383	1.115060136	0.980760089	
TBRG1 TBRG1	3303.161536	2430.608225	3438.84546	
2856.954138				
ATAD1 ATAD1	6087.567335	4279.314227	5426.997683	
4602.707096				
MAP4K1 MAP4K1	13403.27325	13794.86812	6281.133748	
9039.665737				
TOM1 TOM1	2072.939596	1599.57086	2466.513021	
2047.827065				
LINC01481	LINC01481	242.711018	254.4171593	
218.5517867	248.1323024			
CD72 CD72	252.0861217	448.0911214	158.3385393	
463.8995219				
MADD MADD	4378.173427	5272.333451	4829.32545	
5117.606143				
PLEKHG4 PLEKHG4	396.8793899	500.9112929	444.9089944	
441.3420399				
CFAP46 CFAP46	2.083356377	1.760672383	0 2.942280266	
IL6ST IL6ST	2001.0638	3654.275531	8938.322052	
5673.697113				
NDOR1 NDOR1	1415.640658	2536.248568	1267.823375	
1755.560559				

GALNT16	GALNT16	5.208390943	0	1.115060136	4.903800443
ALDH16A1	ALDH16A1	2183.357484		2590.829411	
1528.747447	1996.827541				
ADAM32	ADAM32	0	0	4.460240545	0
FGF14-AS2	FGF14-AS2	32.29202385		61.6235334	
99.24035213	60.8071255				
FBX046	FBX046	786.4670325	1468.400767	789.4625765	
975.8562882					
E2F3	E2F3	2208.35776	2606.675463	1702.696828	
1498.601415					
UFM1	UFM1	5061.514319	4318.049019	7557.877604	
6107.193072					
LOC100128288	LOC100128288	1.041678189		21.12806859	
6.690360818	9.807600887				
SAMD15	SAMD15	14.58349464	3.521344766	0	9.807600887
UMOD	UMOD	0	0	1.115060136	0
SNORD29	SNORD29	26.04195472	30.8117667	49.062646	
37.26888337					
ABCD4	ABCD4	1528.141903	1308.17958	1446.232997	
1792.829442					
GPR98	GPR98	1.041678189	0	2.230120273	0.980760089
AP3B2	AP3B2	0	0	3.345180409	6.865320621
AFAP1L2	AFAP1L2	248.9610871	234.1694269	231.9325083	
281.4781454					
ZNF740	ZNF740	219.7940978	345.9721232	322.2523794	
332.4776701					
SNHG20	SNHG20	513.547347	320.4423737	423.7228518	
446.2458403					
PDCL3P4	PDCL3P4	10.41678189	11.44437049	2.230120273	
6.865320621					
SPECC1	SPECC1	366.6707224	776.4565208	349.0138227	
570.8023716					
GK3P	GK3P	4.166712755	4.401680957	3.345180409	0
PIP5K1A	PIP5K1A	2260.441669	5708.980201	4190.395992	
4179.018738					
C11orf68	C11orf68	1357.30668		1434.947992	
1980.346802	1598.638945				
VCAN	VCAN	0	1.760672383	0	0
UBE2C	UBE2C	13326.18907	13054.50538	9247.19371	
10585.34364					
CLMN	CLMN	10.41678189	27.29042193	31.22168382	
29.42280266					
TRIM58	TRIM58	54.16726581	169.0245488	21.18614259	
18.63444168					
TOM1L2	TOM1L2	466.6718285	628.5600407	671.266202	
567.8600913					
KLLN	KLLN	32.29202385	44.89714576	24.531323	
11.76912106					
SEC61A2	SEC61A2	3778.16679	2914.79313	2660.533485	
2733.378367					

C1orf27	C1orf27	1338.556472	925.2333372	1256.672774
1053.336335				
KCNRG	KCNRG	56.25062219	65.14487817	36.7969845
52.96104479				
SLC4A1AP	SLC4A1AP		4544.841937	3030.117171
3786.744223	3293.392378			
ADSL	ADSL	11279.29143	8592.081228	7437.451109
8364.902796				
NDUFS4	NDUFS4	2285.441946	2596.991765	1868.840788
1975.250819				
VPS4B	VPS4B	6213.610396	5123.556634	6517.526496
5426.545571				
CLCN6	CLCN6	218.7524196	385.5872518	709.1782467
477.6301632				
MRE11A	MRE11A	3023.991782	3006.348094	2133.110041
2730.436087				
POU4F3	POU4F3	1.041678189	0	2.230120273
5-Sep	5-Sep	3.125034566	6.16235334	64.6734879
35.30736319				
PNN	PNN	4511.508235	4457.142137	4260.644781
4397.728238				
GPAA1	GPAA1	6152.151382	6491.599076	4670.986911
6181.730839				
SEC62	SEC62	3008.366609	2847.007243	3910.515898
3075.663638				
MALL	MALL	0	0	3.345180409
NEK7	NEK7	9716.774144	7302.388708	4.903800443
8335.479994				10031.08099
CLDN14	CLDN14	4.166712755	0	0
PSEN1	PSEN1	5831.3145	5001.189904	8.826840798
4475.208285				4687.712813
GOLGA7	GOLGA7	6055.275311	6076.080393	5917.624143
5663.889512				
SCFD1	SCFD1	5840.689604	3876.120251	4113.456843
4183.922538				
STIP1	STIP1	39573.35439	26418.00877	29386.29483
29896.50978				
P2RY14	P2RY14	59.37565676	117.9650497	65.78854804
64.73016585				
TM6SF2	TM6SF2	1.041678189	0	0
TMEM14E	TMEM14E	5.208390943	10.5640343	0
KIAA2022	KIAA2022		0	0
12.74988115				28.99156354
RTKN	RTKN	102.0844625	104.7600068	76.9391494
44.13420399				
CT55	CT55	0	2.641008574	0
GRN	GRN	4288.589103	4113.811023	3820.196027
3957.366958				
COX8A	COX8A	9504.271794	10980.43332	5889.74764
6240.576444				

C3orf80	C3orf80	14.58349464	35.21344766	7.805420954
8.826840798				
VTN	VTN	0	0.880336191	12.2656615
NEB	NEB	22.91692015	31.69210289	43.48734531
36.28812328				
MTRNR2L2	MTRNR2L2		2.083356377	9.683698106
4.460240545		2.942280266		
FLJ22184	FLJ22184		0	6.16235334
		5.884560532		5.575300681
AZIN1	AZIN1	10303.23896	10082.4904	7431.875808
8120.693534				
NIN	NIN	3557.331014	5333.956984	5065.718199
4297.690709				
ZNF85	ZNF85	627.0902696	691.9442465	485.0511593
640.4363379				
C21orf140	C21orf140		1.041678189	2.641008574
1.115060136		2.942280266		
C17orf107	C17orf107		2.083356377	9.683698106
74.70902913		56.88408514		
SCRN1	SCRN1	77.08418596	217.4430393	332.2879206
465.8610421				
TCP11L1	TCP11L1	900.009955	848.6440885	653.4252399
666.9168603				
OTUD5	OTUD5	6477.154977	5400.862534	5316.60673
6449.478343				
SCARNA5	SCARNA5	5.208390943	12.32470668	17.84096218
1.961520177				
LINC00470	LINC00470		7.291747321	0
10.78836098				0
ZNF304	ZNF304	527.0891635	791.4222361	1398.285411
738.5123468				
NUMBL	NUMBL	171.8769011	238.5711079	288.8005753
247.1515423				
PPP1R1B	PPP1R1B	0	0.880336191	0
PNKD	PNKD	1708.352229	2002.764836	1362.603487
1266.161274				
MCCC2	MCCC2	8303.216842	7825.308406	5467.139848
6894.743423				
TECPR2	TECPR2	343.7538023	744.764418	311.101778
429.5729188				
EFR3B	EFR3B	7.291747321	44.01680957	4.460240545
77.480047				
ARHGAP26	ARHGAP26		764.5917905	1093.37755
1145.16676		1230.853911		
RIPPLY3	RIPPLY3	5.208390943	4.401680957	0
SH3BP1	SH3BP1	863.5512184	2626.923195	0
905.2415618				564.220429
PKN1	PKN1	2994.824793	5960.756352	2927.032858
3316.93062				
ETAA1	ETAA1	1007.302808	984.215862	979.0227996

918.9722031					
EGFLAM	EGFLAM	2.083356377	0	4.460240545	2.942280266
RAB11FIP1	RAB11FIP1	6548.74818	12936.60143	12280.68987	
6369.056016					
MFSD1	MFSD1	3093.78422	2832.041528	2928.147918	
3325.757461					
B3GNT2	B3GNT2	4444.840831	3536.310481	4667.64173	
4341.824913					
ODF2L	ODF2L	808.3422744	978.0535087	1148.51194	
1075.893817					
EPAS1	EPAS1	269.7946509	1037.91637	256.4638313	
1517.235857					
RPL17	RPL17	13960.57108	13626.72391	14121.12157	
12624.34386					
UNC5B-AS1	UNC5B-AS1		1.041678189	0	0
2.942280266					
MIR4520-2	MIR4520-2		0	3.521344766	1.115060136
0					
MIR4722	MIR4722	14.58349464	6.16235334	6.690360818	
13.73064124					
MIR4721	MIR4721	4918.804407	2525.684533	3719.840615	
3633.716129					
MIR4720	MIR4720	1.041678189	7.042689532	0	0.980760089
MIR4717	MIR4717	0	1.760672383	0	0
MIR4715	MIR4715	0	0	11.15060136	0.980760089
MIR4714	MIR4714	0	0	1.115060136	0
MIR4712	MIR4712	25.00027653	28.17075813	10.03554123	
32.36508293					
MIR4709	MIR4709	605.2150276	739.4824008	1257.787834	
675.7437011					
MIR4707	MIR4707	208.3356377	295.7929603	137.1523968	
177.517576					
MIR3198-2	MIR3198-2		622.9235568	1064.326455	
403.6517693	602.1866944				
MIR4698	MIR4698	0	0	1.115060136	0
MIR4692	MIR4692	0	0.880336191	0	0
MIR4691	MIR4691	44.79216211	36.97412004	79.16926967	
50.99952461					
MIR4690	MIR4690	3.125034566	1.760672383	0	0.980760089
LOC284023	LOC284023		161.4601192	174.3065659	
396.9614085	354.054392				
LINC00238	LINC00238		3.125034566	1.760672383	0
0.980760089					
PWWP2B	PWWP2B	11.45846008	7.923025723	73.59396899	
101.9990492					
MY01H	MY01H	5.208390943	21.12806859	0	14.71140133
TFAP2E	TFAP2E	34.37538023	28.17075813	49.062646	
44.13420399					
CDH20	CDH20	2.083356377	3.521344766	0	13.73064124
MRVI1	MRVI1	1.041678189	2.641008574	0	2.942280266

PPP4R1-AS1	PPP4R1-AS1	2.083356377	2.641008574	0
1.961520177				
BET1L	BET1L	2912.532216	2622.521514	6622.342149
4884.185242				
TCL1A	TCL1A	0	2.641008574	0
GNG4	GNG4	1330.223047	2006.28618	369.0849051
1143.566263				
SCN8A	SCN8A	11.45846008	15.84605145	0
TARSL2	TARSL2	819.8007345	898.8232515	1156.317361
784.6080709				
HMOX2	HMOX2	9477.188161	6512.727144	6147.326531
6799.609695				
SLC6A12	SLC6A12	0	0	12.2656615
PHOSPHO2	PHOSPHO2			147.9183028
216.3216664				248.1323024
B3GNT1	B3GNT1	622.9235568	636.4830664	506.2373019
744.3969073				
AADAT	AADAT	0	1.760672383	0
GAPDH	GAPDH	369081.1658	279134.3586	219514.0836
303944.4168				
P2RX4	P2RX4	2430.235214	1639.185988	1598.996235
1652.580749				
ARMC4	ARMC4	3.125034566	0	1.115060136
MIOX	MIOX	5.208390943	7.042689532	0
CWF19L1	CWF19L1	4359.42322	3620.822755	2958.254542
3426.77575				
HLA-DQA2	HLA-DQA2	0	1.760672383	2.230120273
0				
SENP2	SENP2	2416.693398	1681.442126	2578.019035
2217.49856				
SREBF1	SREBF1	1835.436968	5047.847722	3257.090658
4307.498309				
ZNF211	ZNF211	808.3422744	783.4992104	1617.952258
1050.394055				
VKORC1	VKORC1	2764.613913	2316.16452	2353.891948
2532.322549				
DSC2	DSC2	0	0	0.980760089
TBC1D1	TBC1D1	986.4692447	2596.991765	2179.942566
1721.233956				
CUEDC1	CUEDC1	9.375103698	8.803361914	13.38072164
WDR44	WDR44	2454.193813	1761.552719	2198.898589
1490.755335				
FAM86B2	FAM86B2	0	0	2.230120273
C18orf32	C18orf32			2523.986251
3559.271955				2163.556756
PAGE5	PAGE5	2.083356377	3.521344766	2.230120273
12.74988115				
ZNF780B	ZNF780B	191.6687867	295.7929603	391.3861078
348.1698315				
MEAF6	MEAF6	4674.010033	3962.393198	6426.091565

5882.599012				
MYH7B MYH7B	231.2525579	232.4087545	201.8258847	
256.9591432				
VSTM2L VSTM2L	0 10.5640343	0	0.980760089	
CAPN10 CAPN10	1059.386718	1302.897563	722.5589683	
1070.009257				
ADD3 ADD3	14899.12313	16324.95433	9732.244869	
9046.531058				
6-Mar 6-Mar	3142.743095	4342.698432	3997.490589	
3719.042256				
IFNAR2 IFNAR2	4627.134514	4779.345183	3551.466534	
3800.445344				
SSFA2 SSFA2	850.009402	1437.589001	627.7788567	
633.5710173				
DHRS4-AS1	DHRS4-AS1	1191.679848	638.2437388	
1404.975772	1167.104506			
MESTIT1 MESTIT1	1.041678189	0 0	0	
ZNF33A ZNF33A	1414.59898	1462.238414	2682.834688	
1878.15557				
GPR180 GPR180	2472.94402	2576.744032	1806.397421	
2334.209011				
FKBP4 FKBP4	9162.601348	8268.11751	11708.13143	
11897.60064				
ZNF554 ZNF554	151.0433374	90.67462772	596.5571729	
324.6315893				
RPL28 RPL28	2884.406905	4292.519269	4108.996602	
3568.985963				
SEZ6L2 SEZ6L2	2.083356377	7.923025723	0 10.78836098	
ALG1L2 ALG1L2	7.291747321	16.72638764	8.92048109	
28.44204257				
GPD2 GPD2	1307.306127	2058.226016	1925.708855	
2224.363881				
JAG2 JAG2	16.66685102	24.64941336	60.21324736	
24.51900222				
CAPN9 CAPN9	0 0	0 0.980760089		
WDR72 WDR72	0 0	1.115060136	0.980760089	
RUFY2 RUFY2	3354.203768	2802.110097	3647.361706	
3022.702593				
TMEM184A	TMEM184A	37.50041479	99.47798963	
36.7969845	55.90332505			
TXNIP TXNIP	11585.54481	5613.903893	31298.62296	
18676.61437				
BFSP2 BFSP2	81.25089872	41.375801	18.95602232	
24.51900222				
CKMT2 CKMT2	23.95859834	28.17075813	6.690360818	
6.865320621				
AP3B1 AP3B1	5372.976097	5414.947914	3937.277341	
5387.315167				
ZNF80 ZNF80	53.12558762	57.22185244	52.4078264	
114.7489304				

FBLN1	FBLN1	1.041678189	2.641008574	0	4.903800443
ANKRD6	ANKRD6	89.58432423	116.2043773	228.5873279	
		315.8047486			
PCDHB4	PCDHB4	0	0	0	0.980760089
EXOSC4	EXOSC4	2553.153241	1767.715072	1981.461862	
		2151.787635			
PCDHB2	PCDHB2	0	0	6.690360818	0
PCDHB15	PCDHB15	0	2.641008574	1.115060136	0
HIST1H3G	HIST1H3G		66.66740408	160.2211868	
		24.531323			
IVL	IVL	4.166712755	0	1.115060136	0
ITK	ITK	13759.52719	11795.62463	22476.26717	
		20450.80937			
CDC48	CDC48	9420.937539	8066.520522	4965.362787	
		6116.019913			
RBFA	RBFA	896.8849205	698.1065998	1005.784243	
		926.8182838			
ADHFE1	ADHFE1	59.37565676	80.99092961	103.7005927	
		145.1524931			
BLNK	BLNK	1.041678189	7.042689532	0	23.53824213
FAM173B	FAM173B	866.676253	785.2598828	434.8734531	
		920.9337233			
THTPA	THTPA	655.2155807	562.5348263	1020.280025	
		811.0885933			
LILRA6	LILRA6	13.54181645	3.521344766	4.460240545	
		21.57672195			
LENG1	LENG1	514.5890252	377.6642261	526.3083843	
		432.5151991			
GNPTAB	GNPTAB	13980.36297	6820.844811	6506.375895	
		4130.961493			
KDM4E	KDM4E	0	2.641008574	0	0
NXNL2	NXNL2	0	0.880336191	0	0
NLGN3	NLGN3	16.66685102	24.64941336	4.460240545	
		20.59596186			
ALDH3A2	ALDH3A2	3605.248211	2517.761508	1673.705265	
		1921.309014			
PTEN	PTEN	4637.551296	5501.22086	3476.757505	
		2887.357701			
PROS1	PROS1	104.1678189	111.8026963	17.84096218	
		131.4218519			
CGB	CGB	1.041678189	0	1.115060136	0
PLAGL2	PLAGL2	4418.798876	4752.935098	5334.447692	
		6357.286895			
CACNG1	CACNG1	0	0	0	0.980760089
NCAM1	NCAM1	7.291747321	3.521344766	8.92048109	
		10.78836098			
IL31RA	IL31RA	0	11.44437049	0	2.942280266
HEPACAM	HEPACAM	0	0	2.942280266	
PLCB1	PLCB1	12.50013826	44.01680957	41.25722504	
		140.2486927			

PCDHGB1 PCDHGB1	4.166712755	12.32470668	39.02710477
13.73064124			
PCDHGA9 PCDHGA9	4.166712755	4.401680957	33.45180409
10.78836098			
ERP44 ERP44	7690.710067	5699.296503	6385.9494
5236.278113			
MOSPD1 MOSPD1	2204.191047	1330.187985	1671.475144
1208.296429			
COMMD10 COMMD10	1935.438075	1787.082469	1304.620359
1587.850584			
COQ7 COQ7	931.2603007	787.9008913	828.4896812
725.7624656			
ZWILCH ZWILCH	6500.071897	5317.230596	4090.04058
4460.496883			
DHRS12 DHRS12	254.169478	271.143547	529.6535647
480.5724434			
TMLHE TMLHE	355.2122623	431.3647338	475.015618
458.0149614			
MICAL2 MICAL2	5903.190295	9632.638607	2834.482866
4404.593558			
PRSS35 PRSS35	0 0	14.49578177	8.826840798
TBC1D21 TBC1D21	0 0	0 0.980760089	
RPRD2 RPRD2	2551.069884	3298.619709	3691.964111
2847.146537			
LRRC34 LRRC34	116.6679571	152.2981611	70.24878858
188.305937			
FBXW8 FBXW8	439.5881956	643.5257559	575.3710303
679.6667414			
PSTK PSTK	215.6273851	154.0588335	274.3047935
164.7676949			
GRPEL1 GRPEL1	7512.583097	4908.754603	6718.237321
6473.997345			
TRIB1 TRIB1	4186.50464	7060.296255	890.9330489
1889.924691			
MED28 MED28	2464.610594	2579.385041	3082.026217
2710.820885			
ITPKC ITPKC	680.2158572	589.8252483	903.1987104
946.4334856			
HSD3B7 HSD3B7	465.6301503	137.3324459	177.2945617
197.1327778			
MED29 MED29	4582.342352	3548.635188	4724.509797
4137.826814			
KIF16B KIF16B	257.2945126	271.143547	309.9867179
600.2251743			
GZMK GZMK	190.6271085	583.6628949	380.2355065
311.8817082			
RBMXL1 RBMXL1	1334.38976	1596.929851	1735.033572
1896.790011			
RPS10-NUDT3	RPS10-NUDT3	15643.92304	13989.42242
16614.39603	13754.17948		

TAF7L	TAF7L	6.250069132	4.401680957	0	4.903800443
FAM49B	FAM49B	15909.55098	11956.72615	9873.857507	
		11396.43223			
TAMM41	TAMM41	1354.181645	1084.574188	1236.601691	
		1381.890965			
NOLC1	NOLC1	18415.8287	12638.10636	21073.52152	
		21112.82243			
FASTKD5	FASTKD5	5469.852169	4742.371063	4214.927315	
		4262.383345			
NIF3L1	NIF3L1	2829.197961	2604.91479	2328.245565	
		2448.957941			
MRPS35	MRPS35	6972.993795	5117.394281	5662.275372	
		5492.256497			
HAPLN2	HAPLN2	0	0.880336191	0	
NUBPL	NUBPL	694.7993519	657.611135	554.1848877	
		698.3011831			
HNRNPLL	HNRNPLL	9617.814716	7983.76892	5991.218112	
		7805.869546			
REEP6	REEP6	58.33397857	58.98252483	199.5957644	
		184.3828967			
PABPC3	PABPC3	1.041678189	9.683698106	2.230120273	
		7.846080709			
TRIM66	TRIM66	88.54264604	147.016144	100.3554123	
		120.6334909			
PSMD6	PSMD6	12420.97072	8757.584432	10323.22674	
		9914.503736			
LRIG2	LRIG2	737.5081576	687.5425655	1306.85048	
		843.4536763			
ECHDC1	ECHDC1	6459.446448	4842.729389	5384.625398	
		5250.008755			
PPP1R26	PPP1R26	45.8338403	97.71731725	64.6734879	
		47.07648426			
HEPH	HEPH	15.62517283	7.042689532	15.61084191	
		1.961520177			
HES7	HES7	1.041678189	2.641008574	0	0
MYPN	MYPN	2.083356377	0	0	6.865320621
DPY30	DPY30	3373.995653	3434.191483	2795.455762	
		3086.451999			
RAB11A	RAB11A	10907.41231	8346.467431	10111.36532	
		8355.095195			
AMPH	AMPH	25.00027653	18.48706002	7.805420954	
		10.78836098			
TRADD	TRADD	4009.419348	3531.9088	2895.811174	
		2692.186443			
CTS0	CTS0	668.7573971	743.8840818	1595.651055	
		1477.024694			
RBBP8	RBBP8	5959.440918	4955.412422	3497.943647	
		3578.793564			
CCT7	CCT7	35514.97617	25789.44873	28019.2311	
		30051.46988			

KIAA0907	KIAA0907	561.4645437	1246.556047
732.5945095	749.3007077		
CASP2 CASP2	3472.955081	6045.268627	3029.61839
3428.73727			
WDR66 WDR66	1.041678189	0 2.230120273	22.55748204
UHRF1BP1L	UHRF1BP1L	6838.617309	5047.847722
4324.203208	4392.824437		
ZNF431 ZNF431	652.0905461	631.2010493	1295.699878
917.991443			
TMEM185B	TMEM185B	1441.682613	1516.819258
2022.719087	1925.232054		
CCDC74B CCDC74B	4.166712755	0.880336191	7.805420954
22.55748204			
C17orf49	C17orf49	10554.28341	11225.16678
6857.619838	6789.802094		
BTG3 BTG3	3525.038991	3019.553137	2220.084731
2297.920888			
ZNF720 ZNF720	1008.344487	1084.574188	709.1782467
942.5104452			
C5orf24 C5orf24	1517.725121	1404.136225	1383.789629
1489.774575			
RBBP4 RBBP4	27482.59565	24769.13908	22348.03525
24491.54093			
NRCAM NRCAM	0 0.880336191	99.24035213	31.38432284
KCNE3 KCNE3	2.083356377	74.82857627	0 22.55748204
ELP5 ELP5	5122.973332	3863.795544	3926.12674
4648.80282			
MTRNR2L8	MTRNR2L8	4.166712755	4.401680957
4.460240545	1.961520177		
CUL4B CUL4B	2347.942637	3561.840231	2803.261183
3220.816131			
VEGFB VEGFB	248.9610871	350.3738042	546.3794668
775.7812301			
TCEA1 TCEA1	8380.301028	7883.410594	7701.720361
7990.252442			
PPP1R12A	PPP1R12A	9659.481844	8568.312151
8331.729338	7980.444841		
SNORD107	SNORD107	12.50013826	4.401680957
43.48734531	22.55748204		
TNFRSF9 TNFRSF9	7025.077705	2866.374639	10237.36711
15992.27401			
RAE1 RAE1	6824.033814	5136.761677	5326.642271
5467.737494			
C5orf51 C5orf51	1654.184964	1925.295251	2194.438348
2313.613049			
SNX20 SNX20	3515.663887	4774.063166	3027.38827
4250.614224			
SHMT1 SHMT1	6812.575354	6118.33653	3142.239464
4607.610897			
CHRFAM7A	CHRFAM7A	1.041678189	0.880336191 0

		0.980760089			
SLC35E2	SLC35E2	966.6773591	890.9002257	1205.380007	
649.2631787					
TCP11	TCP11	2.083356377	0	0	6.865320621
MIR22HG	MIR22HG	287.5031801	192.7936259	393.6162281	
213.8056993					
MAEL	MAEL	0	15.84605145	27.87650341	31.38432284
GK5	GK5	626.0485914	883.8575362	460.5198363	
634.5517774					
BMS1P20	BMS1P20	1698.977126	1206.060582	1120.635437	
1315.199279					
LCK	LCK	68999.72154	50838.53472	37660.04104	
45573.9598					
FIGNL1	FIGNL1	3879.209575	3955.350508	3069.760555	
3206.10473					
C17orf89	C17orf89		3158.368268	2493.112094	
2541.222051	2242.017563				
OR7E37P	OR7E37P	0	0	0.980760089	
FAM224A	FAM224A	0	0.880336191	0	1.961520177
PCBP1-AS1	PCBP1-AS1		214.5857069	214.8020307	
287.6855152	297.1703069				
DKKL1	DKKL1	1.041678189	0	0	0
CCDC94	CCDC94	1723.977402	1242.154366	1495.295643	
1426.025169					
MRPL20	MRPL20	5154.223678	4176.314892	5055.682658	
4152.538215					
MLH3	MLH3	551.0477618	823.114339	772.7366744	
908.1838421					
ISPD	ISPD	61.45901313	71.30723151	42.37228518	
54.92256497					
KBTBD13	KBTBD13	0	0	0.980760089	
FAM111B	FAM111B	3342.745308	5142.043694	1913.443194	
2693.167203					
ZADH2	ZADH2	986.4692447	985.0961982	1282.319157	
1043.528734					
ZNF800	ZNF800	1886.4792	2107.524842	3270.47138	
2349.901172					
CKLF	CKLF	4896.929165	7171.218615	2854.553949	
4205.49926					
PLEKH02	PLEKH02	4583.38403	3740.548477	2993.936466	
3530.736319					
KCNJ18	KCNJ18	4.166712755	1.760672383	0	0
TMEM87A	TMEM87A	6253.194167	3778.402934	6343.577115	
4650.76434					
GTF2A1	GTF2A1	515.6307034	1100.420239	954.4914766	
593.3598536					
OTUD4	OTUD4	2419.818432	2902.468423	3968.499025	
3804.368384					
FAF2	FAF2	7666.751469	6460.787309	6306.780131	
6187.615399					

PNISR	PNISR	3119.826175	3470.285267	3811.275546
3783.772422				
GPR162	GPR162	1.041678189	1.760672383	0 2.942280266
C2CD2	C2CD2	171.8769011	228.0070736	279.8800942
315.8047486				
RIC8A	RIC8A	9266.769167	7361.371233	9164.67926
9244.644596				
ODF3	ODF3	0 0	1.115060136	0
EXD1	EXD1	0 2.641008574	11.15060136	0.980760089
SLC06A1	SLC06A1	0 0	0 0.980760089	
EARS2	EARS2	1985.438628	1612.775903	1925.708855
2324.40141				
ALG2	ALG2	4026.086199	2847.887579	3615.024962
2754.955089				
ANKLE1	ANKLE1	566.6729347	273.7845555	382.4656267
209.882659				
U2AF1	U2AF1	6135.484531	8943.335369	6360.303017
6829.032497				
GGCX	GGCX	3559.414371	3775.761925	3687.503871
4179.999498				
GPR183	GPR183	6189.651797	4413.125328	10428.04239
12205.5593				
EPYC	EPYC	0 0	6.690360818	0
HUS1	HUS1	2439.610318	1317.863279	2636.002162
1612.369586				
NPPB	NPPB	0 0	0 0.980760089	
TXNRD1	TXNRD1	18479.37107	13271.06809	16836.293
9482.969297				
VAMP1	VAMP1	1662.518389	2214.045521	1330.266743
2177.287397				
HIRA	HIRA	2496.902618	3237.876512	2456.47748
1787.925642				
ZCCHC2	ZCCHC2	400.0044245	432.24507	1003.554123
437.4189995				
L3MBTL1	L3MBTL1	70.83411683	119.725722	85.85963049
117.6912106				
KBTBD2	KBTBD2	3483.371863	3255.483236	3504.634008
3064.875277				
UBIAD1	UBIAD1	3520.872278	2472.864362	3828.001448
2834.396656				
PRRC2B	PRRC2B	1423.974084	5506.502877	1958.045599
2578.418273				
MIER2	MIER2	253.1277999	646.1667645	375.7752659
385.4387148				
ANKDD1A	ANKDD1A	455.2133685	708.6706341	338.9782814
558.0524905				
EIF4G1	EIF4G1	13590.77533	18306.5911	14464.56009
14619.20988				
ZNF641	ZNF641	784.3836761	689.3032379	690.2222243
841.4921561				

ZNF764	ZNF764	521.8807725	452.4928024	613.2830749	
653.1862191					
BAAT	BAAT	7.291747321	0.880336191	14.49578177	0
TPRN	TPRN	26.04195472	65.14487817	36.7969845	
24.51900222					
TMTC4	TMTC4	1155.221111	941.0793886	1134.016159	
1012.144412					
C4orf48	C4orf48	457.2967248	838.9603904	291.0306956	
422.7075982					
TNRC6C	TNRC6C	389.5876426	766.7728227	1173.043263	
765.9736292					
SUGCT	SUGCT	7.291747321	10.5640343	14.49578177	
41.19192372					
CBR4	CBR4	1000.011061	1272.966133	860.8264252	
1249.488353					
NYAP2	NYAP2	0	0	6.690360818	0
F8	F8	623.965235	641.7650836	687.9921041	
976.8370483					
HTR7	HTR7	8.33342551	4.401680957	12.2656615	
15.69216142					
CARD8	CARD8	5013.597122	4648.175091	4342.044171	
4179.999498					
GABRB2	GABRB2	0	0	1.961520177	
XPNPEP2	XPNPEP2	120.8346699	76.58924866	5.575300681	
28.44204257					
ZFP36	ZFP36	3344.828664	4373.510199	5114.780845	
5512.852458					
OFD1	OFD1	954.1772208	784.3795466	2457.59254	
1747.714478					
YWHAB	YWHAB	31068.05198	29343.36593	23910.2345	
25973.46943					
CAPZA1	CAPZA1	49644.29912	38394.98265	32772.73246	
32339.58316					
CLDN7	CLDN7	88.54264604	71.30723151	130.4620359	
132.402612					
DPH2	DPH2	6488.613437	3523.985774	5851.835595	
5811.003525					
DPAGT1	DPAGT1	7200.07964	5498.579852	4811.484488	
5745.292599					
ZNF132	ZNF132	143.75159	131.1700925	247.5433503	
240.2862217					
CCDC88A	CCDC88A	200.0022122	217.4430393	189.5602232	
296.1895468					
EIF4EBP2	EIF4EBP2		7771.960966	9600.946504	
8318.348617	8064.790209				
CDCA4	CDCA4	6242.777385	5190.462185	4861.662194	
4962.646049					
MTCH2	MTCH2	11598.04495	8959.18142	7154.225834	
7814.696387					
SEC24B-AS1	SEC24B-AS1		58.33397857	65.14487817	

49.062646	64.73016585				
LOC101926944	LOC101926944	4.166712755	0.880336191	0	
	5.884560532				
PPP1R8	PPP1R8	817.7173781	3594.41267	1510.906485	
1621.196427					
KIF23	KIF23	7585.50057	6542.658575	3282.737041	
4524.246289					
SUN1	SUN1	2259.399991	2468.462681	3172.346088	
3370.872425					
SUM01	SUM01	13105.35329	11676.77924	9074.359389	
10093.98283					
UBE2I	UBE2I	5951.107492	9351.811362	5825.074152	
5828.657207					
UBE2H	UBE2H	2775.030695	3520.46443	3151.159945	
3149.220645					
LINC00152	LINC00152		3436.496345	3941.265129	
2058.401012	2436.20806				
LOC100270804	LOC100270804	60.41733494	42.25613719		
132.6921562	112.7874102				
DKFZP434K028	DKFZP434K028	0	0	0	2.942280266
MGC12916	MGC12916	1643.768182	2442.052595		
547.4945269	567.8600913				
DNASE1L1	DNASE1L1	758.3417214	974.5321639		
702.4878858	855.2227973				
MSS51	MSS51	16.66685102	50.17916291	3.345180409	
19.61520177					
ACTR3B	ACTR3B	289.5865365	305.4766584	583.1764513	
703.2049836					
ELF1	ELF1	8852.181248	9151.975046	15126.90581	
9535.930342					
ARNTL	ARNTL	2811.489431	2214.045521	3199.107531	
3497.390476					
PODNL1	PODNL1	8.33342551	15.84605145	7.805420954	
0.980760089					
CCDC134	CCDC134	426.0463792	517.6376806	424.8379119	
378.5733942					
ATP1B3	ATP1B3	17524.15217	14415.50513	14031.91675	
14708.45905					
ZEB1	ZEB1	3753.166514	3912.214035	4227.192977	
3945.597837					
TNFAIP8L2-SCNM1	TNFAIP8L2-SCNM1	3265.661122	2543.291257		
2497.734705	2560.764592				
LHPP	LHPP	243.7526962	407.5956566	273.1897334	
298.151067					
PAIP1	PAIP1	3585.456326	3142.800203	3587.148458	
3489.544395					
CPSF4	CPSF4	2404.19326	2330.249899	1930.169096	
2167.479796					
MS4A13	MS4A13	2.083356377	0	0	0
ATP4A	ATP4A	0	0	7.805420954	0

MVD	MVD	2975.032907	3529.267791	1778.520917
3058.009956				
COX4I1	COX4I1	18707.49859	18265.2153	15512.71662
14873.22674				
SLC31A1	SLC31A1	1888.562556	1606.613549	1449.578177
1401.506167				
GRIK4	GRIK4	3.125034566	4.401680957	0
ZNF714	ZNF714	1186.471457	1942.021638	4.903800443
1006.259851				878.6673874
CFAP99	CFAP99	0	0	4.903800443
TYW1B	TYW1B	123.9597045	365.3395194	166.1439603
397.2078359				
RFX4	RFX4	20.83356377	8.803361914	13.38072164
13.73064124				
CDKN2D	CDKN2D	2562.528344	2619.00017	2148.720883
2752.993569				
TRMT2B	TRMT2B	1722.935724	2115.447868	2659.418425
2274.382646				
ZBTB48	ZBTB48	780.2169633	789.6615637	926.6149732
818.934674				
MSRB2	MSRB2	311.4617784	551.970792	374.6602058
476.6494031				
NUBP2	NUBP2	4999.013628	3972.076896	3715.380374
4259.441065				
DDX27	DDX27	5461.518743	4042.503791	6213.115079
5456.949133				
OR2B2	OR2B2	0	0.880336191	0
NEFH	NEFH	692.7159955	640.0044112	559.7601884
714.9741046				
RDH14	RDH14	1241.680401	1052.882085	1865.495608
1414.256048				
INPP5E	INPP5E	818.7590563	916.4299753	741.5149906
918.9722031				
CAMSAP2	CAMSAP2	43.75048393	85.39261057	156.1084191
90.22992816				
TEPP	TEPP	3.125034566	0.880336191	25.64638313
13.73064124				
PPARD	PPARD	631.2569824	1121.548308	955.6065368
998.4137703				
GPHN	GPHN	744.7999049	986.8568706	1009.129423
1115.124221				
SYCP2	SYCP2	83.3342551	260.5795127	63.55842777
174.5752958				
CNPY2	CNPY2	6976.11883	5368.290095	5306.571188
5052.875977				
MY01A	MY01A	13.54181645	22.00840479	43.48734531
29.42280266				
ARMCX3	ARMCX3	2309.400544	2579.385041	3197.992471
3156.085965				
SLC25A10	SLC25A10		2390.651443	2400.676794

1389.36493	1794.790962			
GDPD1 GDPD1	65.62572589	77.46958485	114.851194	
61.78788559				
TBX20 TBX20	3.125034566	3.521344766	0 0	
S1PR5 S1PR5	0 0	68.01866831	33.34584301	
TLCD2 TLCD2	3.125034566	5.282017149	0 11.76912106	
PGR PGR	0 0	1.115060136	0.980760089	
TSEN54 TSEN54	3363.578871	2686.786056	2518.920848	
3148.239885				
C3orf35 C3orf35	0 1.760672383	2.230120273	7.846080709	
GPAT2 GPAT2	1222.930194	663.7734883	868.6318462	
885.6263601				
IFF02 IFF02	164.5851538	529.0820511	289.9156354	
472.7263627				
AKIRIN1 AKIRIN1	8266.758106	6678.230348	8409.783548	
7325.297102				
PMS2CL PMS2CL	361.4623315	293.1519517	483.9360991	
427.6113987				
NUDT4P1 NUDT4P1	5663.604312	4214.169348	5317.72179	
4846.916358				
GTF2IP1 GTF2IP1	141.6682337	208.6396774	128.2319157	
139.2679326				
LOC100288162 LOC100288162		82.29257691	294.0322879	
240.8529894	263.8244639			
CAND1.11 CAND1.11		0 0	0 5.884560532	
GIMAP6 GIMAP6	5422.97665	7392.183	7457.522191	
5713.908277				
STPG2 STPG2	1.041678189	0.880336191	6.690360818	
2.942280266				
FAM49A FAM49A	32.29202385	187.5116088	148.3029981	
524.7066474				
C19orf52 C19orf52		1377.098565	1187.573522	
1169.698083	1077.855337			
TP53I13 TP53I13	1630.226365	1704.330867	1170.813143	
1508.409016				
NCOR1 NCOR1	9014.683045	8438.902731	8456.616073	
8588.516096				
PDXDC1 PDXDC1	7367.789829	6244.224606	7437.451109	
7117.375963				
TTPAL TTPAL	1863.56228	2295.036451	1839.849225	
2408.746778				
SLC27A3 SLC27A3	298.9616402	461.2961643	236.3927489	
328.5546297				
UBE2F UBE2F	7167.787616	6607.803453	4562.826078	
5262.758636				
ZC3H13 ZC3H13	3119.826175	3491.413335	3942.852642	
3885.771471				
SPTLC1 SPTLC1	7203.204675	4326.852381	5360.094075	
4783.166952				
MIF4GD MIF4GD	4212.546595	4336.536079	2891.350933	

4135.865294					
FBX044	FBX044	386.462608	377.6642261	566.4505492	
457.0342013					
ASB7	ASB7	1713.56062	2029.174921	2352.776888	
2014.481222					
CFAP43	CFAP43	3.125034566	4.401680957	2.230120273	
9.807600887					
ARHGEF16	ARHGEF16	0	0	0	3.923040355
ARL14	ARL14	0	0	10.03554123	0
SEMA4C	SEMA4C	63.54236951	220.9643841	190.6752833	
189.2866971					
LARP1	LARP1	2966.699481	5894.731138	3758.867719	
3302.219219					
FANCE	FANCE	1273.972425	1287.931848	1163.007722	
1074.913057					
HECW2	HECW2	68.75076045	96.83698106	65.78854804	
111.8066501					
ARMC5	ARMC5	704.1744556	930.5153543	634.4692175	
686.5320621					
NCAPG2	NCAPG2	11684.50424	11980.49523	6533.137338	
8388.441038					
IN080D	IN080D	887.5098168	1309.059917	1146.28182	
1021.952012					
ZNF667	ZNF667	10.41678189	4.401680957	72.47890886	
26.48052239					
CHTF18	CHTF18	2027.105755	2393.634105	1217.645669	
2146.883834					
TMSB15A	TMSB15A	8.33342551	46.65781815	11.15060136	
44.13420399					
GPR27	GPR27	54.16726581	132.9307649	47.94758586	
67.67244612					
WDR5B	WDR5B	144.7932682	188.391945	580.946331	
397.2078359					
BRWD3	BRWD3	148.959981	446.3304491	217.4367266	
202.0365783					
CENPM	CENPM	5768.813809	5472.169766	2797.685882	
3960.309238					
TAC3	TAC3	2.083356377	5.282017149	0	5.884560532
PUSL1	PUSL1	1828.145221	1395.332863	1235.486631	
1458.390252					
GGT6	GGT6	0	6.16235334	1.115060136	0
MYOF	MYOF	991.6776356	1904.167182	506.2373019	
571.7831317					
DNAJB12	DNAJB12	3990.669141	3075.894653	3219.178613	
3027.606394					
ZDHHC13	ZDHHC13	4605.259272	3628.745781	2731.897334	
3515.044158					
AHCTF1	AHCTF1	4561.508788	5443.999008	5928.774745	
5253.931795					
NR1D2	NR1D2	395.8377117	474.5012072	3671.893029	

1498.601415					
VPS52	VPS52	2.083356377	68.66622293	0	79.44156718
GIMAP7	GIMAP7	12447.01268	13332.69162	16626.66169	
12897.97593					
NRN1	NRN1	15.62517283	85.39261057	23.41626286	
45.11496408					
CCDC36	CCDC36	1.041678189	2.641008574	0	0
NCR1	NCR1	2.083356377	0	23.41626286	2.942280266
TOR1AIP2	TOR1AIP2		1503.141626	1839.022304	
1630.217919		1465.255572			
DNAL1	DNAL1	225.0024888	351.2541404	195.1355238	
279.5166253					
SCARNA23	SCARNA23		5.208390943	4.401680957	
1.115060136	1.961520177				
GUSBP2	GUSBP2	36.4587366	39.61512861	37.91204463	
51.9802847					
SLC35C2	SLC35C2	3283.369651	2558.256972	2160.986544	
3241.412093					
BCL7B	BCL7B	6813.617032	5448.400689	4784.723045	
4822.397356					
DNAJA1	DNAJA1	35669.14454	20072.5455	40331.72513	
29459.09078					
UHMK1	UHMK1	9204.268475	10836.93852	9155.758779	
7494.968598					
FZD6	FZD6	2043.772606	1865.43239	928.8450935	
776.7619902					
SNORD116-20	SNORD116-20		1.041678189	2.641008574	
2.230120273	0.980760089				
SNORD116-18	SNORD116-18		2.083356377	0	1.115060136
3.923040355					
SNORD116-17	SNORD116-17		4.166712755	2.641008574	0
1.961520177					
SNORD116-24	SNORD116-24		0	0.880336191	2.230120273
0					
SNORD116-25	SNORD116-25		0	0	4.460240545
0.980760089					
SNORD116-26	SNORD116-26		0	4.401680957	0
4.903800443					
SNORD116-27	SNORD116-27		0	0	1.115060136
					0
POMK	POMK	295.8366056	380.3052347	104.8156528	
224.5940603					
NR1H2	NR1H2	5315.683797	4294.279942	7025.993919	
5449.103053					
LTA4H	LTA4H	4743.802471	3830.342769	3971.844205	
5023.453174					
NCOA5	NCOA5	4225.046733	4205.365986	4629.729686	
3800.445344					
KIAA1524	KIAA1524		4139.629122	4251.143468	
2167.676905	3000.145111				
DIABLO	DIABLO	4656.301503	3703.574357	4921.875441	

5060.722058					
AATF	AATF	8355.300752	6231.899899	7269.077028	
6079.73179					
TOR3A	TOR3A	6644.865166	5031.121334	5605.407305	
4734.128948					
OCLM	OCLM	16.66685102	25.52974955	21.18614259	
22.55748204					
SLC6A20	SLC6A20	22.91692015	6.16235334	17.84096218	0
MST4	MST4	4531.300121	4815.438967	4615.233904	
5294.142959					
SDF4	SDF4	8454.260179	6268.874019	6675.865036	
6910.435585					
DNAJC27	DNAJC27	112.5012444	195.4346345	414.8023707	
280.4973854					
FAM21C	FAM21C	1880.229131	1882.158777	2252.421475	
2261.632764					
COX15	COX15	4618.801089	3766.078227	3575.997857	
3361.064824					
MED9	MED9	1108.345593	1122.428644	1362.603487	
1253.411393					
FAM57B	FAM57B	2.083356377	7.923025723	10.03554123	
10.78836098					
COPB2	COPB2	16342.8891	14329.23219	12681.57893	
14569.19112					
CCDC135	CCDC135	0	4.401680957	0	0
GABRR1	GABRR1	0	0	0.980760089	
AP1S2	AP1S2	2768.780626	1976.35475	2486.584104	
2054.692386					
ACSS2	ACSS2	1208.346699	1622.459601	1245.522172	
2197.883359					
SF3B5	SF3B5	6443.821275	6622.769168	5292.075407	
5376.526806					
ENOX2	ENOX2	1391.68206	1257.120081	1393.82517	
1505.466736					
DDX58	DDX58	3905.251529	1942.021638	9309.637078	
2995.241311					
SLC16A3	SLC16A3	105.2094971	473.620871	88.08975076	
209.882659					
ZNF596	ZNF596	169.7935448	93.31563629	221.8969671	
210.8634191					
CEP170	CEP170	1107.303915	1462.238414	1401.630591	
1545.6779					
KCTD19	KCTD19	12.50013826	19.36739621	3.345180409	
10.78836098					
NRAS	NRAS	10827.20309	11310.55939	5910.933782	
8512.99757					
ZNF142	ZNF142	1269.805712	1803.808856	1985.922103	
1576.081462					
SLC52A1	SLC52A1	22.91692015	13.20504287	47.94758586	
18.63444168					

NRXN3	NRXN3	0	0	0	1.961520177		
TSPAN14	TSPAN14	10298.03057		11047.33887		7939.22817	
		8395.306359					
MEFV	MEFV	1.041678189		4.401680957		16.72590204	
		5.884560532					
DNMT1	DNMT1	10457.40734		13694.50979		8224.683565	
		11020.80112					
ACAD10	ACAD10	1180.221388		1134.753351		1113.945076	
		1757.522079					
ZNF727P	ZNF727P	0	0	0	10.78836098		
TCF3	TCF3	1654.184964		2552.974955		1383.789629	
		1902.674572					
CMPK1	CMPK1	12483.47141		11476.94293		10247.40265	
		10262.67357					
CYP4F12	CYP4F12	0	0	4.460240545		1.961520177	
C12orf10	C12orf10			2613.570575		2057.345679	
		2518.920848	2326.36293				
LRRC61	LRRC61	2988.574723		1813.492554		1774.060677	
		1660.42683					
MIS12	MIS12	2822.947891		2609.316471		4121.262264	
		3514.063398					
CAPRIN2	CAPRIN2	214.5857069		273.7845555		519.6180235	
		426.6306386					
MAN1A1	MAN1A1	8933.432146		8835.934353		4890.653758	
		5367.699965					
ZYG11B	ZYG11B	852.0927584		1565.237748		1629.102859	
		1799.694763					
THNSL2	THNSL2	0	7.042689532	33.45180409		18.63444168	
SLC50A1	SLC50A1	1965.646742		1933.218276		2554.602772	
		2681.398082					
POLD1	POLD1	8456.343536		9948.679299		5404.69648	
		10118.50183					
HYKK	HYKK	30.20866747		70.42689532		42.37228518	
		33.34584301					
MIR7155	MIR7155	0	0	0	0.980760089		
MIR6511A2	MIR6511A2			0	4.401680957	0	0
FAM90A1	FAM90A1	25.00027653		2.641008574		4.460240545	
		7.846080709					
ENPP1	ENPP1	22.91692015		20.2477324		10.03554123	
		39.23040355					
ARHGEF11	ARHGEF11			430.2130919		550.2101196	
		400.3065889	283.4396656				
PYROXD1	PYROXD1	6831.325561		6455.505292		5016.655553	
		6450.459103					
IMP3	IMP3	7202.162997		5834.868277		6993.657175	
		6143.481195					
N4BP3	N4BP3	95.83439336		61.6235334		159.4535995	
		209.882659					
LDHC	LDHC	5.208390943		7.042689532		0	5.884560532
CELSR2	CELSR2	28.12531109		52.82017149		65.78854804	

38.24964346				
BAIAP3	BAIAP3	1444.807648	1114.505618	1218.760729
1333.833721				
ANKS1A	ANKS1A	442.7132302	708.6706341	545.2644066
713.9933446				
C12orf4	C12orf4	2591.695333	2207.002832	1604.571536
1604.523505				
AVEN	AVEN	1211.471733	873.2935019	778.3119751
845.4151964				
EPHA6	EPHA6	0	1.760672383	0
SLC9A9	SLC9A9	1112.512306	2095.200136	423.7228518
1002.336811				
FREM1	FREM1	0	0	5.575300681
ENGASE	ENGASE	509.3806343	702.5082808	13.73064124
823.8384745				570.9107898
COR07-PAM16	COR07-PAM16		9173.01813	9346.529344
5228.516979	6320.018011			
CTSZ	CTSZ	94.79271517	106.5206792	56.86806695
76.49928692				
GPR137	GPR137	1455.22443	1534.425982	1274.513736
1162.200705				
RPH3AL	RPH3AL	71.87579502	90.67462772	32.33674395
131.4218519				
SLC16A4	SLC16A4	27.08363291	52.82017149	45.71746559
34.3266031				
ARHGEF33	ARHGEF33		39.58377117	36.97412004
43.48734531	37.26888337			
PPP2R4	PPP2R4	743.7582267	2361.061665	653.4252399
560.9947707				
GALR1	GALR1	0	1.760672383	0
B4GALNT1	B4GALNT1		91.66768061	139.0931182
50.17770613	82.38384745			
HSDL2	HSDL2	2292.733693	2343.454942	2278.067858
2405.804498				
SEPT5-GP1BB	SEPT5-GP1BB		3.125034566	7.042689532
64.6734879	35.30736319			
AG02	AG02	2909.407181	2836.443209	2877.970212
2841.261977				
IFIT3	IFIT3	3561.497727	258.8188403	69857.40248
9745.813001				
SSBP4	SSBP4	3421.91285	3725.582762	2052.825711
2936.395705				
GSTM3	GSTM3	768.7585033	622.3976873	2050.595591
1157.296905				
MORC4	MORC4	454.1716903	393.5102776	809.5336589
730.6662661				
MAML2	MAML2	196.8771777	614.4746616	1237.716751
1175.931346				
CARD11	CARD11	3279.202938	4660.499797	2775.384679
3934.809476				

LOC100130880	LOC100130880	2.083356377	0	0	0
EDN3	EDN3	5.208390943	1.760672383	28.99156354	
10.78836098					
CARD16	CARD16	2183.357484	1789.723477	2028.294388	
1226.930871					
NTPCR	NTPCR	976.0524628	1213.983608	992.4035213	
1247.526833					
KLRC3	KLRC3	3.125034566	0	44.60240545	0
ACAA2	ACAA2	14343.90866	9265.538415	8317.233556	
7318.431782					
TSNAX	TSNAX	3743.79141	3185.936677	4512.648371	
3648.42753					
XBP1	XBP1	11999.09106	12999.92454	19204.68073	
12340.9042					
KCND3	KCND3	0	0	0.980760089	
KIF11	KIF11	12750.14103	14764.11827	5414.732022	
8203.077382					
TMCC1-AS1	TMCC1-AS1		70.83411683	52.82017149	
55.75300681	60.8071255				
LILRA5	LILRA5	1.041678189	0	0	0
C21orf90	C21orf90		0	0	0.980760089
BBS9	BBS9	455.2133685	382.0659071	428.1830923	
631.6094971					
ARL5A	ARL5A	8341.758935	6787.392036	6165.167493	
6743.70637					
KIAA1191	KIAA1191		3204.202108	3274.850632	
4015.331551	3764.15722				
CCDC24	CCDC24	12.50013826	30.8117667	39.02710477	
64.73016585					
SEL1L	SEL1L	6489.655116	9304.273207	6995.887295	
7111.491403					
PLCE1-AS1	PLCE1-AS1		0	0	1.115060136
LOC440700	LOC440700		2.083356377	10.5640343	0
11.15060136	11.76912106				
EGLN2	EGLN2	5465.685456	5691.373478	6455.083129	
6294.518249					
WDR78	WDR78	45.8338403	31.69210289	90.31987104	
29.42280266					
KIAA0319L	KIAA0319L		2854.198237	3367.285932	
2253.536535	3549.370761				
TNIP3	TNIP3	2063.564492	2856.690941	1363.718547	
3281.623257					
PREX2	PREX2	0	0	2.230120273	0.980760089
FAM110D	FAM110D	0	0	1.961520177	
MRM1	MRM1	1030.219729	689.3032379	734.8246298	
810.1078332					
C6orf1	C6orf1	1202.09663	1122.428644	1421.701674	
1043.528734					
LPHN1	LPHN1	45.8338403	61.6235334	104.8156528	
71.59548647					

EAF1	EAF1	2089.606447	1929.696932	2020.488967
1497.620655				
LINC00673	LINC00673		23.95859834	73.06790389
22.30120273	99.05676896			
SNORD109B	SNORD109B		1.041678189	2.641008574
1.115060136	0.980760089			
TFAMP1	TFAMP1	0	0	0.980760089
MYBPC1	MYBPC1	1.041678189	0	0
APOLD1	APOLD1	381.2542171	482.4242329	205.1710651
343.266031				
ER01L	ER01L	10903.2456	9372.059094	6417.171084
7699.947456				
ANXA10	ANXA10	0	2.230120273	0
HIP1R	HIP1R	1577.100778	1815.253227	2032.754628
2207.69096				
SAA2-SAA4	SAA2-SAA4	0	0.880336191	2.230120273
0				
SMC5	SMC5	4418.798876	4193.921616	3923.89662
4009.347242				
PDK2	PDK2	2094.814837	1678.801117	2144.260642
1791.848682				
TRIOBP	TRIOBP	3060.450518	3266.927606	1699.351648
2574.495233				
SERPINB5	SERPINB5		1.041678189	0
PHKA1	PHKA1	618.7568441	1209.581927	357.9343037
883.6648399				
SLC25A3	SLC25A3	28565.94097	20414.99628	21133.73476
21703.24				
APOBEC3B-AS1	APOBEC3B-AS1		1053.136649	1518.57993
394.7312882	670.8399006			
LINC01030	LINC01030		1.041678189	0
0				1.115060136
FLJ38122	FLJ38122		0	0
51.9802847				202.9409448
AOC3	AOC3	10.41678189	4.401680957	0
TMSB4Y	TMSB4Y	0	99.47798963	0
ITGA3	ITGA3	98.95942793	447.2107853	350.1288828
420.746078				
HDC	HDC	51.04223125	251.7761508	24.531323
166.7292151				
HTT	HTT	1201.054952	2108.405178	1012.474604
1391.698566				
MED14	MED14	2181.274127	3141.919867	2336.050985
2233.190722				
STX3	STX3	1305.22277	423.4417081	1176.388444
696.339663				
OASL	OASL	4113.587167	2350.497631	8754.33713
2875.58858				
SLC7A14	SLC7A14	0	1.115060136	0.980760089
MYH15	MYH15	8.33342551	8.803361914	10.03554123

1.961520177					
SLC37A3	SLC37A3	2991.699758	1730.740952	4536.064634	
3286.527057					
CNOT1	CNOT1	11944.92379	23988.28088	14794.61789	
16253.15619					
MBD4	MBD4	3105.242681	3075.014317	2947.10394	
2868.723259					
TSG101	TSG101	6841.742343	6246.865614	4868.352555	
6617.188318					
PTK6	PTK6	37.50041479	26.41008574	23.41626286	
7.846080709					
WISP3	WISP3	1.041678189	0.880336191	1.115060136	
2.942280266					
GGH	GGH	4968.80496	4135.819427	1959.160659	
2250.844403					
TPP2	TPP2	8420.926477	9694.26214	7214.439082	
7267.432257					
DSC1	DSC1	0	0	47.94758586	16.67292151
SMC6	SMC6	3925.043415	3386.653328	2639.347343	
2269.478845					
SMPD4	SMPD4	11800.13052	10068.40502	8326.154037	
9218.164073					
CHST15	CHST15	28.12531109	40.49546481	70.24878858	
145.1524931					
SEMA4B	SEMA4B	613.5484531	835.4390457	915.4643719	
820.8961942					
ANXA2P2	ANXA2P2	140.6265555	108.2813515	46.83252572	
56.88408514					
DLEU7	DLEU7	3.125034566	1.760672383	1.115060136	
8.826840798					
NAPEPLD	NAPEPLD	568.756291	728.0380303	626.6637966	
720.8586652					
PPP1R32	PPP1R32	42.70880574	92.4353001	80.28432981	
91.21068825					
KIR2DS3	KIR2DS3	0	0	6.690360818	0
ITM2B	ITM2B	11460.54343	9032.249324	26397.93367	
14401.48114					
SLC17A9	SLC17A9	102.0844625	278.1862365	118.1963744	
161.8254146					
TMEM132A	TMEM132A		0	10.5640343	8.92048109
22.55748204					
HOMER2	HOMER2	1623.976296	447.2107853	529.6535647	
196.1520177					
SERPINE2	SERPINE2		1006.26113	1315.22227	
974.5625591	1264.199754				
SERPINB1	SERPINB1		2770.863982	3962.393198	
5808.34825	6810.398056				
NHLRC3	NHLRC3	1123.970766	1556.434386	822.9143806	
1245.565313					
WDR86	WDR86	0	2.641008574	7.805420954	4.903800443

SIPA1L1	SIPA1L1	3330.245169	3259.004581	3213.603313
3730.811377				
MORN4	MORN4	135.4181645	250.0154784	200.7108245
270.6897845				
ELF2	ELF2	1002.094418	1705.211203	2533.41663
1689.849633				
PER3	PER3	788.5503888	1591.647834	1537.667928
1293.622557				
HMGCS1	HMGCS1	426.0463792	3140.159195	788.3475163
1558.427781				
TFR2	TFR2	303.1283529	220.9643841	178.4096218
367.7850333				
C17orf85	C17orf85		2889.615295	3081.17667
2329.360625	2300.863168			
CHPF	CHPF	1366.681784	1634.784308	1469.64926
1731.041557				
C5orf22	C5orf22	3458.371586	2905.989768	3435.50028
2900.107582				
TMA16	TMA16	1618.767905	1305.538572	1216.530609
1524.101178				
SECTM1	SECTM1	405.2128154	411.1170014	362.3945443
580.6099725				
RALA	RALA	3729.207916	4241.45977	4052.128535
3938.732516				
PTPN14	PTPN14	51.04223125	129.4094201	72.47890886
112.7874102				
CST6	CST6	26.04195472	22.88874098	8.92048109
56.88408514				
CNTNAP1	CNTNAP1	12.50013826	60.74319721	39.02710477
16.67292151				
NME4	NME4	327.0869513	470.9798624	467.2101971
1014.105932				
TMEM9	TMEM9	970.8440719	1007.984939	1634.67816
1094.528259				
CIITA	CIITA	1586.475881	2562.658653	375.7752659
621.8018962				
TMEM179	TMEM179	1.041678189	0.880336191	0 0
FAM120B	FAM120B	3528.164025	2836.443209	3950.658063
3508.178837				
MCFD2	MCFD2	4004.210957	3855.872518	3628.405683
4034.847005				
NELL2	NELL2	1298.972701	830.1570285	5470.485029
2844.204257				
SAA2	SAA2	1.041678189	1.760672383	0 0
EGR2	EGR2	1865.645636	2344.335278	3691.964111
7604.813728				
PIGR	PIGR	0	0.880336191	2.230120273
SLC30A3	SLC30A3	7.291747321	18.48706002	22.55748204
46.09572417				54.63794668
ATAD2	ATAD2	12750.14103	14023.75553	7357.166779

9546.718703					
CLEC9A	CLEC9A	0	0.880336191	0	0
TRPM7	TRPM7	3343.786986	4944.848387	4414.523079	
4655.668141					
CCDC22	CCDC22	2593.77869	1861.030709	2065.091372	
2206.7102					
C16orf58	C16orf58		1591.684272	1549.391697	
1542.128168		2161.595235			
GALNT8	GALNT8	5.208390943	1.760672383	24.531323	
26.48052239					
SEC61A1	SEC61A1	27669.05605	20753.92571	21229.62993	
18798.22862					
TRIM54	TRIM54	12.50013826	12.32470668	7.805420954	
10.78836098					
UBC	UBC	74240.40451	53329.88614	78907.23054	
62074.26753					
MFSD11	MFSD11	8429.259903	6397.403103	6390.409641	
6535.785231					
NCR2	NCR2	7.291747321	0	12.2656615	0.980760089
PLEK	PLEK	880.2180694	372.382209	987.9432807	
379.5541543					
SLC2A1	SLC2A1	7287.580608	5720.424572	3958.463484	
6398.478818					
OR4D1	OR4D1	0	0.880336191	0	1.961520177
OR2B6	OR2B6	4.166712755	1.760672383	1.115060136	
0.980760089					
SLC38A2	SLC38A2	9769.899732	15699.0353	15537.24794	
13535.46998					
IL5	IL5	647.9238334	3.521344766	385.8108071	
5.884560532					
SLC7A4	SLC7A4	8.33342551	2.641008574	1.115060136	
0.980760089					
FCGRT	FCGRT	119.7929917	355.6558213	476.1306782	
704.1857437					
FOXH1	FOXH1	14.58349464	37.85445623	20.07108245	
35.30736319					
DDX39A	DDX39A	25625.28344	17872.58536	21098.05284	
18207.81105					
KLHDC2	KLHDC2	3826.083987	2938.562207	4355.424892	
3718.061496					
FEM1A	FEM1A	5181.307311	4064.512196	4995.46941	
4181.961018					
VASH1	VASH1	95.83439336	124.127403	238.6228692	
239.3054616					
EP400	EP400	247.9194089	706.0296255	454.9445356	
422.7075982					
KRT73	KRT73	5.208390943	0.880336191	24.531323	
23.53824213					
IFNL1	IFNL1	7.291747321	1.760672383	0	6.865320621
MKRN1	MKRN1	7493.832889	6923.844146	14656.35043	

9817.408488					
VWA2	VWA2	1.041678189	3.521344766	0	0.980760089
CCL28	CCL28	188.5437522	296.6732965	258.6939516	
272.6513047					
SCYL3	SCYL3	1709.393908	1456.956397	1970.311261	
1708.484074					
PHYKPL	PHYKPL	2061.481135	1905.047518	1940.204637	
1989.96222					
ZNF709	ZNF709	178.1269703	178.7082469	448.2541748	
313.8432284					
MON1A	MON1A	1438.557579	929.6350182	1110.599896	
967.0294474					
TBRG4	TBRG4	10391.78161	7422.11443	8894.834707	
10091.04055					
MCM3AP-AS1	MCM3AP-AS1		866.676253	1271.20546	
1171.928203	972.914008				
PLOD2	PLOD2	12.50013826	10.5640343	0	50.99952461
ZBED6CL	ZBED6CL	1310.431161	1695.527505	776.0818548	
1085.701418					
KLHDC7B	KLHDC7B	215.6273851	507.0736463	656.7704203	
592.3790936					
KANSL1L	KANSL1L	733.3414448	810.7896323	665.6909014	
842.4729162					
TFCP2L1	TFCP2L1	1.041678189	3.521344766	1.115060136	
2.942280266					
FAM19A2	FAM19A2	4.166712755	5.282017149	28.99156354	
4.903800443					
LCN12	LCN12	0	0.880336191	0	0.980760089
RNF180	RNF180	4.166712755	0	6.690360818	4.903800443
MBLAC1	MBLAC1	162.5017974	138.2127821	211.8614259	
93.17220842					
MGAT2	MGAT2	6543.822381	5248.564373	6204.194598	
4554.649852					
CUL7	CUL7	836.4675855	1292.333529	1180.848684	
1733.983837					
CLCN7	CLCN7	2577.111839	2542.410921	3399.818355	
3057.029196					
SEC31A	SEC31A	11202.20724	8089.409263	13521.21921	
10842.30278					
JUP	JUP	61.45901313	155.8195059	26.76144327	
13.73064124					
PPCS	PPCS	2926.074032	2997.544732	3183.496689	
3548.390001					
IQCE	IQCE	746.8832613	722.7560132	331.1728605	
421.7268381					
SAP30L	SAP30L	1064.595109	1157.642092	1106.139655	
1099.432059					
TNNI3	TNNI3	0	3.345180409	0	
STS	STS	490.6304269	312.519348	573.14091	
280.4973854					

WASF1	WASF1	37.50041479	61.6235334	69.13372845
172.6137756				
ATP50	ATP50	15016.83277	14279.93336	9906.194251
10099.86739				
TTC1	TTC1	6203.193614	4731.807029	5855.180776
5208.816831				
AGAP9	AGAP9	5.208390943	14.96571525	16.72590204
19.61520177				
RAB9A	RAB9A	939.5937262	775.5761847	1468.534199
1283.814956				
SOX6	SOX6	1.041678189	0	1.115060136
VTRNA1-1	VTRNA1-1	8.92048109	6.250069132	0.980760089
8.92048109	8.826840798			9.683698106
PLEKHG4B	PLEKHG4B	2.942280266	0	0.880336191
2.942280266				0
EFCAB11	EFCAB11	425.004701	353.0148128	247.5433503
444.2843202				
CCDC117	CCDC117	4207.338204	5182.539159	3879.294214
4058.385247				
ASCC3	ASCC3	4721.927229	5225.675632	5282.039865
4156.461256				
MRAP	MRAP	114.5846008	137.3324459	167.2590204
155.9408541				
LIPH	LIPH	0	8.92048109	0
ZNF513	ZNF513	600.0066367	546.6887749	413.6873106
550.2064097				
TBC1D20	TBC1D20	2817.7395	2831.161192	2931.493098
2551.937751				
GNB3	GNB3	67.70908227	95.07630868	74.70902913
59.82636541				
ANKS6	ANKS6	119.7929917	235.0497631	569.7957296
749.3007077				
OSCAR	OSCAR	4.166712755	2.641008574	5.575300681
15.69216142				
KIRREL2	KIRREL2	22.91692015	90.67462772	8.92048109
38.24964346				
CEMP1	CEMP1	242.711018	285.228926	237.507809
310.9009481				
FGFBP3	FGFBP3	46.87551849	66.02521436	82.51445008
80.42232727				
AMER1	AMER1	9.375103698	9.683698106	5.575300681
13.73064124				
APOBEC3A	APOBEC3A	1.961520177	0	0
1.961520177				5.575300681
SKP2	SKP2	2982.324654	2430.608225	1929.054036
2508.784307				
PLD2	PLD2	365.6290442	437.5270871	361.2794842
528.6296878				
ZNF160	ZNF160	1057.303362	1471.922112	3050.804533
2699.051764				

NXT1	NXT1	3581.289613	2530.086214	3584.918338
3479.736795				
COTL1	COTL1	52844.33451	63563.79437	24166.69833
43879.20637				
IL22RA1	IL22RA1	0	1.760672383	0
5.884560532				
GPBP1L1	GPBP1L1	4665.676607	6239.822925	7964.874553
6702.514446				
LGR6	LGR6	1.041678189	0.880336191	17.84096218
6.865320621				
CEACAM8	CEACAM8	0	0.880336191	3.345180409
0				
PTPN9	PTPN9	4758.385966	3384.01232	3141.124404
3027.606394				
IRF7	IRF7	5401.101408	2927.117837	8126.558273
3917.155794				
SEMA4F	SEMA4F	541.6726581	628.5600407	885.3577482
989.5869295				
DSTYK	DSTYK	1908.354442	1964.030043	2082.932335
2867.742499				
PDZD4	PDZD4	0	0.880336191	1.115060136
0.980760089				
GGPS1	GGPS1	1840.645359	1789.723477	2644.922643
2408.746778				
ZNF28	ZNF28	1630.226365	1735.142633	1951.355238
1580.004503				
C12orf29	C12orf29		1844.812072	1358.358743
2186.632927	1931.116615			
SLC10A5	SLC10A5	1.041678189	0	0
0				
AIDA	AIDA	1151.054399	2056.465343	1568.889612
1235.757712				
SNAR-E	SNAR-E	0	0	1.115060136
0				
LOC100862671	LOC100862671		27.08363291	43.13647338
76.9391494	42.17268381			
TPSB2	TPSB2	2.083356377	0	0
0				
TADA3	TADA3	7424.040451	7726.710752	4309.707427
5764.907801				
ANAPC11	ANAPC11	7707.376918	7354.328543	5847.375355
5527.56386				
SNORD116-10	SNORD116-10		0	0
0				1.961520177
UBE2K	UBE2K	3410.45439	3631.38679	3049.689473
2773.589531				
ZDBF2	ZDBF2	297.919962	423.4417081	624.4336763
551.1871698				
PPP1R15A	PPP1R15A		2826.072926	1491.289508
5904.243422	2805.954614			
MRPL23	MRPL23	3200.035396	3001.066077	1878.87633
2269.478845				
PMAIP1	PMAIP1	7461.540866	4311.886666	9634.119577
5390.257447				
SMIM20	SMIM20	921.885197	668.1751693	1105.024595
771.8581898				
DFFA	DFFA	4447.965866	3225.551805	3170.115967

3501.313517				
CYP8B1	CYP8B1	0	0	0
0.980760089				
PPP3R1	PPP3R1	363.5456879	1012.38662	366.8547848
496.2646049				
RNF8	RNF8	2016.688973	1663.835402	1614.607077
1815.386924				
KIF22	KIF22	15065.79164	13300.99952	9151.298538
11371.91323				
OST4	OST4	9534.480461	10290.24974	9614.048495
9010.242935				
NCOA4	NCOA4	20152.30624	15823.1627	20187.04871
16341.4246				
HMGB3	HMGB3	3496.913679	3881.402268	1082.723392
1629.042507				
UQCC1	UQCC1	4208.379882	2566.179998	3267.126199
2927.568865				
CCDC101	CCDC101	1183.346422	801.1059342	1137.361339
949.3757658				
PPM1K	PPM1K	2993.783114	2369.865027	6215.3452
3140.393804				
IGSF11	IGSF11	0	2.641008574	15.61084191
23.53824213				
DUSP18	DUSP18	1040.636511	840.7210628	732.5945095
897.3954811				
APBB1	APBB1	1763.561173	2428.847552	3988.570107
4328.094271				
APAF1	APAF1	1704.185517	2796.82808	1417.241433
1567.254622				
PPP1R12B	PPP1R12B		443.7549084	592.4662568
502.8921215				
GCLC	GCLC	581.5907326		
2260.441669				
1728.98028				
1479.966974				
FJX1	FJX1	5.208390943	39.61512861	6.690360818
14.71140133				
FKBP3	FKBP3	6171.943268	6687.914046	3623.945443
5145.067425				
CHML	CHML	619.7985223	1183.171841	1093.873994
973.894768				
NT5E	NT5E	156.2517283	447.2107853	432.6433329
812.0693534				
LIMK2	LIMK2	4633.384583	4783.746864	2441.981698
4144.692135				
UCP2	UCP2	25984.66242	23017.27006	15306.43049
25991.12311				
SERINC5	SERINC5	779.1752851	1544.990016	1515.366725
817.9539139				
PTPN13	PTPN13	185.4187176	1321.384623	147.187938
707.1280239				
NSUN4	NSUN4	1554.183858	1397.973872	2076.241974
1981.135379				
ELOVL3	ELOVL3	7.291747321	6.16235334	22.30120273

12.74988115					
LPAR6	LPAR6	1081.26196	654.9701264	932.1902739	
619.840376					
TNK2	TNK2	164.5851538	375.0232176	274.3047935	
169.6714953					
WFS1	WFS1	464.5884722	276.4255641	409.22707	
350.1313517					
SNORA70	SNORA70	326.0452731	185.7509364	237.507809	
324.6315893					
TET2	TET2	2652.112668	2522.163188	1759.564895	
2317.53609					
ITLN1	ITLN1	0	1.760672383	0	1.961520177
SOWAHC	SOWAHC	0	13.20504287	56.86806695	91.21068825
AGAP11	AGAP11	3.125034566	0	5.575300681	0
FAM228A	FAM228A	2.083356377	4.401680957	5.575300681	
7.846080709					
BAG5	BAG5	3824.000631	3703.574357	4294.096585	
4035.827765					
DOK1	DOK1	3951.08537	3367.285932	1931.284156	
2338.132051					
ASPDH	ASPDH	0	0	1.115060136	0
XRCC1	XRCC1	1841.687038	2810.913459	1605.686596	
2463.669343					
KCP	KCP	1.041678189	3.521344766	7.805420954	
5.884560532					
CXorf22	CXorf22	3.125034566	0	0	3.923040355
GABPB1-AS1	GABPB1-AS1		1256.263896	1530.024301	
1119.520377		1383.852485			
LRRC59	LRRC59	5928.190572	9455.691032	4391.106817	
4385.959117					
PAN3	PAN3	540.6309799	1069.608473	768.2764339	
694.3781428					
KHDC3L	KHDC3L	0	1.760672383	0	0
TAF9	TAF9	9090.725553	7666.847891	7816.571555	
7737.21634					
AK6	AK6	6155.276417	4714.200305	6094.918705	
5464.795214					
ZNF585A	ZNF585A	451.0466557	374.1428814	1244.407112	
748.3199477					
ATP5J	ATP5J	10834.49484	10336.02722	8155.549837	
8563.016334					
KIF2A	KIF2A	10650.1178	10020.86687	10418.00685	
9556.526304					
PPP1R14A	PPP1R14A		7.291747321	0	16.72590204
0					
FXVD6-FXVD2	FXVD6-FXVD2		17.70852921	25.52974955	
52.4078264		107.8836098			
ETV7	ETV7	894.8015641	353.895149	1160.777602	
263.8244639					
SLC25A26	SLC25A26		1685.435309	1032.634353	

1883.33657	1775.17576			
RAB40AL RAB40AL	3.125034566	0	0	0
GP1R1 GP1R1	12.50013826	9.683698106	0	0
SYNE4 SYNE4	36.4587366	51.93983529	43.48734531	
37.26888337				
ARL2 ARL2	1835.436968	1875.996424	2400.724473	
3082.528959				
TDGF1 TDGF1	0	0	3.345180409	1.961520177
LUC7L2 LUC7L2	10310.53071	10017.34552	10419.12191	
10081.23295				
HOXB2 HOXB2	552.08944	737.7217284	611.0529547	
808.1463131				
CDC25A CDC25A	2386.48473	3285.414666	2081.817274	
2014.481222				
BRI3 BRI3	94.79271517	285.228926	297.7210564	
155.9408541				
SETD1A SETD1A	221.8774542	441.0484319	285.4553949	
238.3247015				
DCTD DCTD	5017.763835	4627.047022	4383.301396	
5753.13868				
ARHGAP11B ARHGAP11B	402.5367092	458.9957215	939.5937262	723.6363494
18.63444168				
TPM2 TPM2	8.33342551	14.96571525	10.03554123	
1766.34892				
AC0T8 AC0T8	2056.272744	1957.86769	1311.31072	
3517.986438				
MED6 MED6	4418.798876	3266.927606	3636.211104	
4443.823962				
HTATIP2 HTATIP2	4737.552402	3685.967634	5224.056738	
26.04195472				
SHISA9 SHISA9	22270.038	11.44437049	0	10.78836098
7-Sep 7-Sep		17458.82735	19234.78735	
19707.39322				
SPATA45 SPATA45	17.70852921	7.042689532	22.30120273	
9.807600887				
CYB5RL CYB5RL	713.5495593	710.4313065	488.3963397	
745.3776674				
RFX5 RFX5	8078.214353	7728.471425	5747.019942	
6438.689982				
KIAA0825 KIAA0825	27.87650341	50.99952461	120.8346699	82.751602
261.4612254				
C2CD4D C2CD4D	261.4612254	319.5620375	278.7650341	
407.9961969				
MEF2A MEF2A	1716.685655	2073.191731	2569.098554	
1604.523505				
LIMS2 LIMS2	628.1319478	587.1842397	278.7650341	
430.5536789				
SEC14L4 SEC14L4	0	0.880336191	0	0
SLC1A5 SLC1A5	15237.66854	11895.10262	13200.08189	
10421.5567				

PDHX PDHX	3487.538576	2576.744032	2857.899129
2664.725161			
LOC102723859	LOC102723859	42.70880574	54.58084387
51.29276627	65.71092594		
ATP6V1E1	ATP6V1E1	7172.996007	5837.509285
6944.594529	5908.098774		
FKBP14 FKBP14	216.6690632	128.529084	267.6144327
144.171733			
LAX1 LAX1	2658.362738	1894.483484	2809.951543
2145.903074			
C17orf80	C17orf80	2454.193813	1937.619957
1819.778142	1740.849157		
PSTPIP2 PSTPIP2	1194.804882	706.9099617	1828.698623
1578.042983			
TRNAU1AP	TRNAU1AP	2581.278552	2200.840479
1979.231742	2042.923265		
SPATS2L SPATS2L	3487.538576	3231.714159	3254.860538
3659.215891			
RAB20 RAB20	32.29202385	34.33311147	234.1626286
143.1909729			
RBM15 RBM15	1842.728716	1967.551388	1756.219715
1876.19405			
LOC101927583	LOC101927583	0	0.880336191
0.980760089			0
EIF4G2 EIF4G2	99262.55628	97403.03723	90993.36736
83607.83604			
CCBL1 CCBL1	644.7987988	826.6356838	230.8174482
586.494533			
LOC101929718	LOC101929718	1634.393078	1414.70026
1268.938435	1569.216142		
SP110 SP110	4859.42875	3928.060086	8675.16786
4720.398307			
SNORA34 SNORA34	4.166712755	5.282017149	2.230120273
5.884560532			
SNORA31 SNORA31	81.25089872	58.10218863	108.1608332
70.61472638			
SNORA29 SNORA29	18.7502074	34.33311147	49.062646
35.30736319			
SNORA69 SNORA69	3.125034566	1.760672383	1.115060136
2.942280266			
ZNF639 ZNF639	1508.350017	1627.741618	2111.923898
1985.058419			
ATL1 ATL1	162.5017974	189.2722812	179.5246819
170.6522554			
KCTD21 KCTD21	639.5904079	391.7496052	675.7264426
600.2251743			
CLEC1B CLEC1B	0	1.760672383	0
ECD ECD	4429.215658	3782.804615	3956.233363
4302.594509			
ITIH4 ITIH4	88.54264604	101.238662	65.78854804

104.9413295					
BUD13	BUD13	2726.07182	2581.145713	2969.405143	
2123.345592					
HPCA	HPCA	4.166712755	2.641008574	10.03554123	
6.865320621					
HOXA4	HOXA4	0	0	4.460240545	0.980760089
VDAC2	VDAC2	13818.90285	10253.27562	10852.88031	
10587.30516					
ASCL4	ASCL4	2.083356377	0	0	0
BACE2	BACE2	19.79188559	22.00840479	21.18614259	
34.3266031					
LRRC14	LRRC14	2817.7395	2493.112094	2863.47443	
2803.012333					
LRWD1	LRWD1	2602.112115	2137.456273	2135.340161	
2094.903549					
CEP41	CEP41	1456.266108	1880.398105	1222.105909	
1798.714003					
TGM5	TGM5	12.50013826	0	22.30120273	10.78836098
HSPB11	HSPB11	3486.496898	3531.028464	2657.188305	
2977.587629					
PLAC8L1	PLAC8L1	2.083356377	3.521344766	4.460240545	
1.961520177					
PTPN4	PTPN4	2390.651443	1634.784308	2394.034113	
1489.774575					
GCC1	GCC1	2444.818709	2748.40959	3107.6726	
2911.876703					
C1orf123	C1orf123		2180.232449	1850.466674	
2114.154018		1939.943455			
ULK4	ULK4	713.5495593	293.1519517	519.6180235	
397.2078359					
C9orf173	C9orf173		0	2.641008574	0
MICB	MICB	168.7518666	184.8706002	114.851194	0
108.8643698					
RPS4Y2	RPS4Y2	0	53.70050768	0	20.59596186
FBF1	FBF1	352.0872278	503.5523015	438.2186336	
655.1477392					
CATSPER1	CATSPER1		7.291747321	2.641008574	
1.115060136		13.73064124			
PCGF1	PCGF1	1082.303638	857.4474505	1026.970386	
791.4733916					
KNTC1	KNTC1	3057.325484	6098.088798	2012.683546	
3424.81423					
WDR48	WDR48	6308.403111	5642.954987	7228.934863	
6557.361953					
CBX2	CBX2	118.7513135	450.73213	263.1541922	
246.1707823					
LINC00176	LINC00176		110.417888	158.4605145	
59.09818722		50.01876452			
CNNM4	CNNM4	848.9677238	1461.358078	845.2155833	
1127.874102					

MYCBP MYCBP	7117.787063	5838.389622	5511.742254
5760.984761			
PCY0X1 PCY0X1	1442.724291	1342.512692	2178.827506
2397.958417			
MMD MMD	1642.726504	1130.35167	1316.886021
955.2603264			
PIGN PIGN	3256.286018	3062.68961	2479.893743
3114.894042			
B4GALT3 B4GALT3	5730.271716	3810.975373	5519.547675
4542.880731			
AK3 AK3	3196.910361	3503.738042	2807.721423
3068.798317			
RPL21 RPL21	27221.13443	26889.86897	45047.31444
33644.97484			
ARHGFEF39	ARHGFEF39	2543.778137	2546.812602
1787.441398	2655.89832		
BTBD7 BTBD7	714.5912374	576.6202054	1059.307129
614.9365756			
AMBRA1 AMBRA1	1395.848773	1622.459601	1872.185969
1655.52303			
TRIM61 TRIM61	78.12586415	143.4947992	126.0017954
155.9408541			
FOXK1 FOXK1	559.3811873	795.8239171	1105.024595
906.2223219			
ZNF611 ZNF611	1651.059929	1752.749357	2178.827506
1773.21424			
FAM229B FAM229B	173.9602575	198.0756431	328.9427402
208.9018989			
RCHY1 RCHY1	2153.148816	1745.706668	1751.759474
1843.828967			
EIF1AX EIF1AX	6462.571483	3021.313809	7003.692716
3983.84748			
PLS1 PLS1	430.2130919	737.7217284	441.563814
591.3983335			
EXT1 EXT1	1319.806265	1022.070318	1009.129423
1061.182416			
MXRA8 MXRA8	15.62517283	6.16235334	7.805420954
1.961520177			
RIBC1 RIBC1	70.83411683	42.25613719	61.32830749
72.57624656			
UNC45B UNC45B	17.70852921	23.76907717	27.87650341
8.826840798			
PRIMA1 PRIMA1	4.166712755	0 0	0
SLC9A6 SLC9A6	1386.473669	1964.030043	1762.910075
1676.118992			
C19orf54	C19orf54	896.8849205	1042.318051
464.9800768	710.0703042		
ARHGAP12	ARHGAP12	483.3386796	785.2598828
947.8011158	808.1463131		
GPR157 GPR157	119.7929917	66.02521436	69.13372845

87.28764789				
TYW1 TYW1	2072.939596	1439.349673	2007.108245	
1886.001651				
T0E1 T0E1	3415.662781	2358.420657	3359.676191	
3112.932521				
HSD11B1 HSD11B1	273.9613636	164.6228678	65.78854804	
160.8446545				
AKT3 AKT3	870.8429658	352.1344766	889.8179887	
325.6123494				
LOC101928861	LOC101928861	12.50013826	5.282017149	
8.92048109	22.55748204			
FAIM FAIM	291.6698928	400.5529671	361.2794842	
413.8807574				
MS4A2 MS4A2	0 0	0 0.980760089		
URGCP URGCP	2508.361078	2212.284849	2914.767196	
2832.435136				
PPT1 PPT1	20089.80555	16727.26797	17968.07904	
18737.42149				
SUFU SUFU	782.3003197	1404.136225	807.3035387	
824.8192346				
NUP210 NUP210	11429.29309	26774.54493	13011.63673	
18436.32815				
LSR LSR	356.2539405	270.2632108	2317.094963	
2636.283118				
TCF7L1 TCF7L1	6.250069132	3.521344766	5.575300681	
4.903800443				
PSME1 PSME1	32261.81518	24662.6184	37896.43379	
31060.67201				
SPEM1 SPEM1	0 0.880336191	0	0	
FAM213A FAM213A	208.3356377	447.2107853	739.2848703	
873.857239				
SLC22A1 SLC22A1	16.66685102	4.401680957	11.15060136	
5.884560532				
ANKRD7 ANKRD7	0 0	20.07108245	11.76912106	
GTPBP8 GTPBP8	1051.053292	1137.394359	963.4119577	
1197.508068				
TLR10 TLR10	7.291747321	0 0	0	
STAT1 STAT1	106017.8393	69464.68786	167348.2253	
100804.4834				
TTC39B TTC39B	1023.969659	816.9519857	1536.552868	
1003.317571				
ACTA2 ACTA2	1016.677912	817.8323218	1904.522713	
1477.024694				
ACP2 ACP2	1931.271362	2046.781645	1403.860712	
1666.311391				
ACADSB ACADSB	2476.069055	2045.020973	2386.228692	
2416.592858				
ACADL ACADL	0 0	0 2.942280266		
ACAA1 ACAA1	6894.867931	5208.068909	4094.50082	
5231.374313				

CBFB	CBFB	26298.20755	19948.4181	15154.78231	
13545.27758					
KIF5C	KIF5C	202.0855686	389.1085966	406.9969497	
357.9774324					
OCRL	OCRL	133.3348082	71.30723151	82.51445008	
141.2294528					
CHAD	CHAD	7.291747321	14.96571525	11.15060136	
3.923040355					
THBS3	THBS3	153.1266937	242.0924526	112.6210738	
305.0163876					
LRAT	LRAT	1.041678189	0	0	0
CYP7B1	CYP7B1	31.25034566	9.683698106	24.531323	
3.923040355					
MTA2	MTA2	4027.127878	4843.609725	3292.772582	
2869.704019					
LINC00847	LINC00847		997.9277048	991.2585516	
1415.011313	1284.795716				
CISD3	CISD3	3050.033737	2322.326873	1679.280565	
1914.443693					
NAF1	NAF1	196.8771777	262.340185	230.8174482	
220.67102					
MTSS1L	MTSS1L	0	2.641008574	0	7.846080709
TXNDC5	TXNDC5	11630.33698	9191.590175	8187.886581	
9532.007302					
ELMSAN1	ELMSAN1	1106.262236	2403.317803	1902.292592	
2222.402361					
MT01	MT01	4749.010862	3928.060086	4179.245391	
3773.964821					
LAMA3	LAMA3	0	2.641008574	21.18614259	2.942280266
FBXL5	FBXL5	2564.611701	2397.155449	5959.996428	
4340.844152					
USP34	USP34	1965.646742	2872.536993	2743.047935	
2151.787635					
CAPN10-AS1	CAPN10-AS1		71.87579502	94.19597248	
191.7903434	127.4988115				
SIX3-AS1	SIX3-AS1		8.33342551	0	0
EPN2	EPN2	80.20922053	81.8712658	112.6210738	0
157.9023743					
RPL7L1	RPL7L1	7381.331645	4423.689362	6533.137338	
5997.347942					
THADA	THADA	3254.202661	5093.625204	3795.664704	
4796.897594					
ZC3HAV1	ZC3HAV1	11700.12942	9209.196899	14343.01853	
8187.38522					
NLRX1	NLRX1	1483.349741	1924.414914	770.5065542	
1643.753909					
SNIP1	SNIP1	966.6773591	1029.113008	1118.405317	
1113.162701					
TTLL7	TTLL7	52.08390943	124.127403	10.03554123	
28.44204257					

XP04	XP04	2464.610594	3437.712828	2547.912411	
2627.456278					
DOLPP1	DOLPP1	1859.395567	1162.924109	1520.942026	
1235.757712					
POLR2J3	POLR2J3	445.8382648	380.3052347	448.2541748	
356.9966723					
HIST1H3C	HIST1H3C		137.5015209	496.509612	
82.51445008	92.19144833				
HIST1H3A	HIST1H3A		44.79216211	108.2813515	
32.33674395	25.49976231				
HIST1H3D	HIST1H3D		464.5884722	2842.605562	
346.7837024	498.226125				
HIST1H2BC	HIST1H2BC		205.2106032	177.8279107	
113.7361339	58.84560532				
CD52	CD52	24959.65108	29011.47919	12422.88498	
15056.62888					
CPNE6	CPNE6	4.166712755	1.760672383	1.115060136	
0.980760089					
ZBTB47	ZBTB47	0	3.521344766	5.575300681	1.961520177
MAP2K5	MAP2K5	516.6723816	677.8588674	776.0818548	
997.4330102					
ADCY7	ADCY7	5874.023306	5746.834658	3664.087608	
4422.24724					
HLA-DPB2	HLA-DPB2		1.041678189	0.880336191	0
0					
HLA-DRB6	HLA-DRB6		84.37593328	109.1616877	
17.84096218	19.61520177				
PRSS3P2	PRSS3P2	0	6.16235334	1.115060136	4.903800443
SNORD108	SNORD108		2.083356377	0.880336191	
2.230120273	0.980760089				
KIAA1958	KIAA1958		207.2939596	287.8699346	
312.2168382	359.9389525				
GLG1	GLG1	11227.20752	13480.5881	12610.21508	
11123.78093					
ANXA8	ANXA8	2.083356377	0.880336191	0	0
ANKRD13D	ANKRD13D		1819.811796	2026.533913	
1117.290257	1519.197377				
SLC30A5	SLC30A5	5770.897165	5289.059838	5497.246472	
4806.705195					
TRAPPC2	TRAPPC2	1515.641765	1092.497214	1944.664878	
1433.87125					
SNX16	SNX16	309.378422	272.9042193	284.3403347	
185.3636568					
PDIK1L	PDIK1L	1736.477541	1789.723477	1856.575127	
1785.964121					
ST3GAL6	ST3GAL6	4.166712755	4.401680957	0	7.846080709
RAD51C	RAD51C	5712.563187	5636.792634	3410.968957	
4408.516599					
UBE2Q2	UBE2Q2	4026.086199	3560.959894	3220.293674	
2975.626109					

LINC00652	LINC00652	15.62517283	4.401680957
33.45180409	22.55748204		
LOC100507144	LOC100507144	1.041678189	0 0
3.923040355			
GALNT18 GALNT18	93.75103698	134.6914373	84.74457036
244.2092621			
TIPARP TIPARP	1054.178327	1660.314057	1331.381803
757.1467885			
CD300LG CD300LG	0 0.880336191	0	0
CDK10 CDK10	2342.734246	2126.892239	1661.439603
2319.49761			
HAUS3 HAUS3	2845.864812	2345.215614	3495.713527
2736.320647			
TRIM9 TRIM9	9.375103698	9.683698106	104.8156528
65.71092594			
HSPA12B HSPA12B	4.166712755	8.803361914	10.03554123
2.942280266			
KDM1B KDM1B	114.5846008	720.9953408	109.2758934
603.1674545			
ANP32E ANP32E	20957.52348	24200.4419	13051.7789
16409.09704			
LYZL6 LYZL6	0 3.521344766	0	0
ZNF235 ZNF235	405.2128154	277.3059003	564.220429
403.0923964			
SOCS6 SOCS6	356.2539405	319.5620375	231.9325083
215.7672195			
CD68 CD68	701.049421	249.1351422	312.2168382
432.5151991			
CD40 CD40	57.29230038	69.54655912	448.2541748
288.3434661			
MSX2 MSX2	2.083356377	0 3.345180409	0
STK17B STK17B	11365.75072	15014.13374	11588.82
11507.25812			
MFHAS1 MFHAS1	768.7585033	1818.774572	673.4963223
592.3790936			
ACTL8 ACTL8	1.041678189	2.641008574	0 0
DZIP1L DZIP1L	4.166712755	9.683698106	0 2.942280266
SMAP2 SMAP2	37733.75071	40685.61742	27391.45225
34423.69835			
NBPF15 NBPF15	500.0055306	598.6286102	722.5589683
703.2049836			
C9orf91 C9orf91	1530.225259	2449.975621	1671.475144
1987.01994			
EEF1B2 EEF1B2	11117.83131	10483.04337	10404.62613
10507.86359			
ANKRD55 ANKRD55	165.626832	236.8104355	286.570455
177.517576			
RBCK1 RBCK1	5204.224231	4208.006995	6120.565088
5430.468611			
GRID1 GRID1	0 1.760672383	0	0

EPDR1 EPDR1	2.083356377	84.51227438	42.37228518
69.6339663			
FOXRED1 FOXRED1	3289.61972	2952.647586	2069.551613
2839.300457			
NME6 NME6	1994.813731	1412.059251	1761.795015
1709.464835			
HES1 HES1	254.169478	390.869269	22.30120273
78.46080709			
CYTH4 CYTH4	1206.263343	2599.632773	1077.148092
1664.34987			
TOMM40 TOMM40	9042.808356	5952.833327	7036.02946
7427.296151			
COP55 COP55	6869.867654	6238.062253	6106.069306
5909.079534			
CTRC CTRC	1.041678189	0 6.690360818	0
PTPDC1 PTPDC1	464.5884722	422.5613719	309.9867179
464.880282			
NGLY1 NGLY1	3819.833918	3291.57702	3563.732196
4369.286195			
DESI2 DESI2	2771.90566	2685.025384	2785.42022
2568.610672			
FBX042 FBX042	3148.993164	2545.051929	3281.621981
2910.895943			
PSMA5 PSMA5	21408.57013	18724.75079	16992.40142
15262.5885			
WSB2 WSB2	5628.187254	6119.216867	3210.258132
4590.937975			
ZMPSTE24	ZMPSTE24	10444.9072	7430.917792
6654.678893	6704.475966		
RAMP3 RAMP3	1.041678189	0 0	0.980760089
GDPD3 GDPD3	1.041678189	22.00840479	2.230120273
17.6536816			
UHRF1BP1	UHRF1BP1	505.2139215	1030.87368
687.9921041	798.3387122		
CBX4 CBX4	400.0044245	561.6544901	834.0649819
432.5151991			
CHST1 CHST1	0 3.521344766	0	10.78836098
DGKD DGKD	918.7601624	1921.773906	1549.933589
1589.812104			
TRIB2 TRIB2	1056.261683	2162.986022	907.6589509
805.2040328			
SENP5 SENP5	2221.899576	2210.524177	2145.375702
1736.926117			
PPARA PPARA	203.1272468	324.8440546	238.6228692
293.2472665			
PCP4L1 PCP4L1	6.250069132	21.12806859	8.92048109
15.69216142			
PGRMC1 PGRMC1	4151.087582	3059.168265	2651.613004
2930.511145			
NFE2 NFE2	1.041678189	2.641008574	6.690360818

2.942280266					
ZNF254	ZNF254	775.0085724	875.0541743	1664.784783	
1030.778853					
ZNF341	ZNF341	666.6740408	588.0645759	572.0258499	
548.2448896					
METTL9	METTL9	6913.618138	5068.97579	6904.452364	
5580.524905					
MTL5	MTL5	97.91774974	199.8363155	85.85963049	
134.3641321					
CD3D	CD3D	19263.75474	21197.61515	14264.96432	
16327.69396					
SAPCD1	SAPCD1	2.083356377	6.16235334	2.230120273	
0.980760089					
SH3RF3	SH3RF3	17.70852921	2.641008574	17.84096218	
43.1534439					
KLC2	KLC2	1522.933512	1899.765501	1717.19261	
1690.830393					
PYY2	PYY2	2.083356377	0	3.345180409	0.980760089
NOL3	NOL3	147.9183028	183.1099278	60.21324736	
175.5560559					
MY015B	MY015B	5.208390943	24.64941336	98.12529199	
46.09572417					
YOD1	YOD1	523.9641289	662.8931522	723.6740284	
549.2256497					
PPP1R3E	PPP1R3E	63.54236951	91.55496391	162.7987799	
160.8446545					
CDKL1	CDKL1	133.3348082	102.9993344	103.7005927	
217.7287397					
COL4A3	COL4A3	1.041678189	3.521344766	17.84096218	
8.826840798					
PDE4DIP	PDE4DIP	9782.39987	6363.069992	5100.285063	
3812.214465					
IPP	IPP	1888.562556	1768.595409	1667.014904	
2032.134904					
CA6	CA6	471.8802195	142.614463	266.4993726	
48.05724434					
GDF1	GDF1	0	0.880336191	1.115060136	3.923040355
LINC00901	LINC00901	0	0	0	3.923040355
KIF20B	KIF20B	5304.225337	4569.82517	2940.413579	
2889.319221					
ZNF460	ZNF460	329.1703076	393.5102776	896.5083496	
660.0515397					
2-Sep	2-Sep	33594.12159	20746.88302	31430.20006	
25231.03404					
LYSMD1	LYSMD1	46.87551849	66.90555055	52.4078264	
55.90332505					
RNF175	RNF175	0	0	3.345180409	14.71140133
VANGL1	VANGL1	2595.862046	2510.718818	874.2071468	
886.6071202					
KPNA3	KPNA3	5224.016116	6495.12042	5074.63868	

5871.810651					
TIGD3	TIGD3	47.91719668	52.82017149	84.74457036	
70.61472638					
GADL1	GADL1	0	0	4.460240545	0
ZNF483	ZNF483	31.25034566	24.64941336	83.62951022	
29.42280266					
GSC	GSC	0	0.880336191	1.115060136	0
ZFP41	ZFP41	154.1683719	324.8440546	573.14091	
515.8798066					
CEP57L1	CEP57L1	1119.804053	1020.309646	883.1276279	
913.0876425					
RARB	RARB	4.166712755	7.042689532	11.15060136	
14.71140133					
MAPK11	MAPK11	27.08363291	175.1869021	59.09818722	
60.8071255					
VSTM4	VSTM4	29.16698928	63.38420578	6.690360818	
43.1534439					
ZFC3H1	ZFC3H1	1505.224983	2647.170928	1846.539586	
2235.152242					
AP1S3	AP1S3	352.0872278	303.715986	485.0511593	
396.2270758					
ZNF276	ZNF276	1896.895982	2206.122496	2014.913666	
1971.327778					
ZNF214	ZNF214	4.166712755	0.880336191	0	0
RPS6KA3	RPS6KA3	5888.606801	8751.422079	5690.151875	
6268.037727					
RC3H2	RC3H2	2694.821474	3561.840231	2551.257592	
1868.347969					
FL0T2	FL0T2	10913.66238	9840.397948	7858.94384	
10095.94435					
FUT7	FUT7	489.5887487	2760.734296	267.6144327	
888.5686403					
FRG1	FRG1	2665.654485	2435.890242	2018.258847	
2261.632764					
PDZD7	PDZD7	52.08390943	46.65781815	73.59396899	
102.9798093					
SCUBE2	SCUBE2	0	0	3.345180409	0
FAM170B	FAM170B	4.166712755	0.880336191	0	7.846080709
INCA1	INCA1	82.29257691	65.14487817	117.0813143	
137.3064124					
ZBTB24	ZBTB24	2762.530556	2445.57394	3186.841869	
2367.554854					
RPS13	RPS13	13648.06763	14945.46752	18667.22174	
15145.87805					
NUDT14	NUDT14	388.5459644	235.9300993	419.2626112	
243.228502					
SETDB2	SETDB2	1537.517007	1394.452527	2192.208228	
1894.828491					
ZNF540	ZNF540	45.8338403	41.375801	500.6620012	
204.9788585					

GNAL	GNAL	897.9265987	986.8568706	766.0463136	
892.4916807					
CCND3	CCND3	46666.14118	39885.39183	26468.18245	
40047.3767					
DLGAP2	DLGAP2	0	2.641008574	0	
RPL41	RPL41	8335.508866	7574.412591	10222.87133	
8924.916807					
TMSB10	TMSB10	88806.19062	115210.4777	50057.27964	
50506.20229					
UBASH3A	UBASH3A	3701.082604	2934.160526	2517.805788	
2551.937751					
COBLL1	COBLL1	2.083356377	7.923025723	0	32.36508293
WDR16	WDR16	1.041678189	2.641008574	0	0
SNORD49B	SNORD49B		180.2103266	143.4947992	
235.2776888		245.1900222			
SNORD45C	SNORD45C		23.95859834	9.683698106	
12.2656615		22.55748204			
ZNF70	ZNF70	29.16698928	33.45277527	93.66505145	
62.76864567					
ZNF69	ZNF69	20.83356377	27.29042193	95.89517172	
67.67244612					
MPP7	MPP7	78.12586415	62.50386959	1254.442653	
1061.182416					
MTIF3	MTIF3	2838.573064	2737.845555	2538.99193	
2268.498085					
TNFRSF25	TNFRSF25		7000.077428	4034.580765	
4482.541748		5674.677873			
FGFR1	FGFR1	1485.433097	3614.660402	453.8294755	
1135.720183					
PLEKHD1	PLEKHD1	0	0.880336191	1.115060136	1.961520177
TCOF1	TCOF1	7916.754234	7764.565208	7194.367999	
8443.363603					
RPS3A	RPS3A	17597.06964	22379.90666	22994.77013	
20671.48039					
ADH6	ADH6	3.125034566	5.282017149	2.230120273	
6.865320621					
CCNA1	CCNA1	432.2964483	379.4248985	25.64638313	
56.88408514					
IL15RA	IL15RA	2433.360249	1580.203464	2680.604568	
2015.461982					
ADRM1	ADRM1	12430.34583	8502.286937	8434.314871	
8274.672868					
RNU12	RNU12	6.250069132	6.16235334	11.15060136	
3.923040355					
LINC01140	LINC01140		6.250069132	1.760672383	
6.690360818		14.71140133			
LOC145837	LOC145837		1.041678189	0.880336191	0
0					
VPS9D1	VPS9D1	118.7513135	202.477324	150.5331184	
188.305937					

CDK17	CDK17	4521.925017	3648.993514	6746.113824
5374.565286				
SLC44A3	SLC44A3	1.041678189	8.803361914	0 4.903800443
RNU5E-1	RNU5E-1	0 0.880336191	1.115060136	0
ATRX	ATRX	3757.333227	3549.515524	4064.394197
4100.557931				
ATP1A4	ATP1A4	14.58349464	0 31.22168382	6.865320621
SPINK7	SPINK7	0 0.880336191	0 0	
DGAT2	DGAT2	421.8796664	272.0238832	480.5909187
480.5724434				
POLB	POLB	2063.564492	2052.943998	1555.50889
1887.963171				
CTRL	CTRL	260.4195472	419.0400271	532.9987451
323.6508293				
CSNK2A2	CSNK2A2	147.9183028	278.1862365	197.3656441
146.1332532				
MUT	MUT	3156.284912	3433.311147	2317.094963
3260.046535				
SERPIND1	SERPIND1		13.54181645	11.44437049
32.33674395	27.46128248			
HADHB	HADHB	9128.225968	7394.824008	5781.586807
6315.114211				
STOM	STOM	3157.32659	4552.218446	8531.325103
7163.471688				
THEMIS2	THEMIS2	3983.377394	2159.464678	2018.258847
1799.694763				
BOLA2B	BOLA2B	531.2558762	691.0639103	333.4029807
626.7056967				
FCGR2B	FCGR2B	3.125034566	1.760672383	0 5.884560532
TSHZ3	TSHZ3	9.375103698	33.45277527	12.2656615
66.69168603				
MYOM1	MYOM1	26.04195472	39.61512861	46.83252572
77.480047				
CABP5	CABP5	0 0	0 0.980760089	
RWDD3	RWDD3	843.7593328	821.3536666	732.5945095
940.548925				
KIAA1468	KIAA1468		1663.560067	1511.537241
1696.006467	1614.331106			
KIAA1467	KIAA1467		221.8774542	477.1422158
178.4096218	392.3040355			
METTL3	METTL3	4293.797494	4236.177753	2755.313597
3779.849382				
DAW1	DAW1	0 0	0 0.980760089	
AGPAT6	AGPAT6	5634.437323	5726.586925	5215.136257
5566.794263				
CMTM4	CMTM4	14.58349464	17.60672383	53.52288654
19.61520177				
ARL5B	ARL5B	1241.680401	1554.673714	1239.946872
1007.240611				
TSACC	TSACC	83.3342551	52.82017149	122.656615

69.6339663					
WDR64	WDR64	5.208390943	0	181.7548022	14.71140133
FAM91A1	FAM91A1	9532.397105	7404.507706	5644.43441	
6043.443666					
MED25	MED25	858.3428275	1317.863279	611.0529547	
785.588831					
TUBA4B	TUBA4B	11.45846008	21.12806859	4.460240545	
2.942280266					
SCARNA9	SCARNA9	114.5846008	122.3667306	71.36384872	
67.67244612					
LRIG1	LRIG1	5811.522615	5114.753272	6261.062665	
5465.775974					
PYG01	PYG01	0	1.760672383	0	0
UBXN7	UBXN7	3733.374628	4538.133067	3558.156895	
3698.446294					
WDHD1	WDHD1	6036.525104	6051.43098	3625.060503	
4485.015885					
APRT	APRT	8993.849481	7491.660989	9456.825016	
11092.3966					
ANGPTL4	ANGPTL4	16.66685102	23.76907717	6.690360818	
32.36508293					
SDCBP2	SDCBP2	204.168925	80.99092961	294.375876	
134.3641321					
TPMT	TPMT	1897.93766	1158.522428	1439.542636	
1403.467687					
MDFIC	MDFIC	8804.264051	5161.41109	7344.901118	
6920.243186					
SCD5	SCD5	1.041678189	18.48706002	6.690360818	
7.846080709					
NCKAP5L	NCKAP5L	44.79216211	99.47798963	311.101778	
218.7094998					
H2AFB2	H2AFB2	0	0.880336191	0	2.942280266
OPA3	OPA3	1655.226642	1552.032706	1488.605282	
1425.044409					
HILPDA	HILPDA	513.547347	604.7909635	651.1951196	
1285.776476					
FAM89B	FAM89B	3391.704182	4917.557965	2328.245565	
3660.196651					
RPP14	RPP14	2377.109627	1802.92852	2415.220255	
2027.231103					
FANCL	FANCL	2307.317188	1876.87676	1523.172146	
1861.482648					
EIF4E1B	EIF4E1B	1.041678189	2.641008574	0	2.942280266
LRCH1	LRCH1	946.8854735	1375.965467	1028.085446	
916.0299228					
GDA	GDA	0	0	1.961520177	
C8orf76	C8orf76	2310.442223	1841.663312	1516.481785	
1357.371963					
TRAF6	TRAF6	980.2191756	842.4817352	1722.767911	
1127.874102					

BPNT1	BPNT1	1335.431438	1401.495217	1301.275179
1268.122795				
FDX1	FDX1	2829.197961	2805.631442	2592.514817
2243.979083				
GPX3	GPX3	6.250069132	39.61512861	34.56686422
24.51900222				
ERCC1	ERCC1	4394.840278	2799.469089	3114.362961
3769.061021				
IKBKAP	IKBKAP	4782.344564	4720.362658	4504.842951
4961.665289				
KMT2D	KMT2D	541.6726581	1362.760424	927.7300334
903.2800417				
SLC39A11	SLC39A11		643.7571206	457.7748195
389.1559876	606.1097348			
ERI1	ERI1	9737.607708	6883.348681	4236.113458
4302.594509				
KCTD6	KCTD6	871.8846439	1048.480404	868.6318462
574.725412				
FAM3B	FAM3B	0	4.401680957	2.230120273
0	0			0
TLR7	TLR7	9.375103698	1.760672383	0
0				6.865320621
LINC00341	LINC00341		60.41733494	115.3240411
32.33674395	25.49976231			
SAMD14	SAMD14	14.58349464	17.60672383	12.2656615
32.36508293				
LINC00239	LINC00239		152.0850156	266.741866
89.2048109	140.2486927			
TBXAS1	TBXAS1	388.5459644	707.7902979	269.844553
544.3218492				
ISL2	ISL2	82.29257691	192.7936259	6.690360818
30.40356275				
PCDH8	PCDH8	73.9591514	26.41008574	0
0	0			0
SUCNR1	SUCNR1	0	0	0.980760089
0				
ERN1	ERN1	929.1769443	852.1654333	1253.327593
880.7225596				
AGTRAP	AGTRAP	1760.436139	1575.801783	861.9414853
923.8760035				
ZMAT5	ZMAT5	1597.934341	1105.702256	1163.007722
1089.624459				
KIAA0556	KIAA0556		378.1291825	559.8938178
662.3457209	484.4954838			
HAS3	HAS3	2406.276616	2317.044856	2291.44858
2381.285495				
UCHL5	UCHL5	9116.767507	6349.864949	7237.855344
7749.966221				
KIF21B	KIF21B	993.760992	3049.484567	1185.308925
1331.8722				
WWC1	WWC1	3.125034566	0	28.99156354
0	0			22.55748204
LPHN3	LPHN3	0	1.760672383	0
0				0
PLSCR3	PLSCR3	5077.139492	4463.304491	3141.124404
4116.250092				

ZNF684	ZNF684	398.9627463	360.0575023	388.0409274
306.9779078				
UBAC2	UBAC2	2741.696993	2464.941336	4759.076662
3921.078834				
HMG1	HMG1	19092.91952	15806.43632	15131.36605
16017.77377				
GID8	GID8	1985.438628	2315.284183	2479.893743
2203.767919				
B3GNT3	B3GNT3	0	0	18.95602232
708.3411683				7.846080709
COR02A	COR02A	1579.023743	1381.247484	892.048109
11141.78991				
WIPF1	WIPF1	17385.75944	10167.11832	
9115.184264				
ALPK3	ALPK3	8.33342551	7.042689532	0
3667.748902				14.71140133
MSL3	MSL3	5230.393553	3284.53433	5961.111488
DCAF6	DCAF6	1542.725397	2131.293919	2043.90523
2022.327303				
RPA3	RPA3	5480.268951	7224.919123	4675.447151
5917.906375				
SMPDL3B	SMPDL3B	42.70880574	69.54655912	24.531323
37.26888337				
SH2D4B	SH2D4B	4.166712755	0	17.84096218
4093.795282				1.961520177
DYNC1H1	DYNC1H1	4558.572892	6936.168852	4843.821232
2015.647295				
GTF2E1	GTF2E1	2028.294585	1756.219715	
1999.769821				
TBC1D31	TBC1D31	1555.225536	1873.355415	1157.432421
1521.158898				
SLC1A2	SLC1A2	0	0	33.45180409
2139.607				3.923040355
TGFBR3	TGFBR3	1011.163651	1397.093536	1518.711906
1736375.456				
ACTB	ACTB	1513409.716	831515.9545	
1262400.06				
ACTA1	ACTA1	2.083356377	0	0
1.041678189				0
B3GAT1	B3GAT1	3004.199896	3369.046605	1998.187764
2382.266255				
NADK	NADK	1392.723738	978.9338449	1465.189019
984.683129				
UPF3A	UPF3A	3.125034566	1.760672383	0
3790.666929				0
ABCA6	ABCA6	6094.567453	5558.574779	
4021.116364				
KMT2A	KMT2A	2.083356377	2.641008574	13.38072164
5.884560532				
CNGA1	CNGA1	LOC100132352	169.7935448	195.4346345
259.8090118		LOC100132352		
264.8052239				
SYT12	SYT12	0	0	0.980760089
147.9183028				
EFNA4	EFNA4	149.6571525	137.1523968	
124.5565313				

E2F1	E2F1	6274.027731	7148.329874	2814.411784	
4385.959117					
BTLA	BTLA	1129.179157	1308.17958	957.8366571	
1811.463884					
NAA16	NAA16	1465.641212	1494.810853	1149.627	
1154.354624					
PAXBP1-AS1	PAXBP1-AS1	197.1327778	176.0436139	154.0588335	
256.4638313					
LOC151475	LOC151475		1.041678189	3.521344766	0
0					
LOC729950	LOC729950		0	3.345180409	0
LOC100505474	LOC100505474		0	2.230120273	0
GOLGA8S	GOLGA8S	0	1.115060136	0	
PMM2	PMM2	1618.767905	1530.024301	1655.864302	
1690.830393					
DOT1L	DOT1L	1270.84739	1438.469337	1097.219174	
1367.179564					
FAM76B	FAM76B	1635.434756	1875.996424	1787.441398	
1578.042983					
DOCK11	DOCK11	2886.490261	4918.438302	2178.827506	
2392.073856					
TRAP1	TRAP1	14659.53715	10262.95932	10506.0966	
14418.15406					
CRBN	CRBN	3368.787262	3060.928938	4265.105021	
3444.429431					
HP1BP3	HP1BP3	11320.95855	13043.94135	9094.430471	
11892.69684					
CSTF2	CSTF2	8568.84478	5790.851467	5179.454333	
6062.078108					
TAF5	TAF5	1934.396396	2008.046853	1697.121527	
1669.253671					
OPRM1	OPRM1	154.1683719	130.2897563	431.5282727	
209.882659					
SPATA31C2	SPATA31C2		16.66685102	10.5640343	0
17.6536816					
GRIK5	GRIK5	0	5.282017149	8.826840798	
DRD3	DRD3	1.041678189	0.880336191	5.575300681	
0.980760089					
ARHGAP17	ARHGAP17		2002.105479	2484.308732	
2875.740091					
INPP5B	INPP5B	2630.237426	2819.716821	2908.076835	
2806.935374					
FXR2	FXR2	3401.079286	3101.424402	3270.47138	
2991.31827					
RHD	RHD	59.37565676	44.01680957	88.08975076	
52.96104479					
ADAM20	ADAM20	0	0	0.980760089	
CD79A	CD79A	78.12586415	141.7341268	81.39938995	
125.5372913					
CD69	CD69	4816.719945	3428.029129	12651.47231	

15923.6208				
CD63	CD63	5804.230867	5131.47966	4744.58088
6628.957439				
SLA	SLA	17172.06494	21208.17919	10936.50982
16607.21058				
CNNM2	CNNM2	245.8360525	261.4598489	296.6059962
203.9980984				
PLCG2	PLCG2	932.3019789	1508.015896	729.2493291
698.3011831				
MCM4	MCM4	33122.24137	29446.36527	19180.1494
24214.96659				
C11orf95	C11orf95		32.29202385	29.05109432
62.44336763	9.807600887			
C5orf55	C5orf55	143.75159	176.9475745	143.8427576
115.7296905				
NFKB1	NFKB1	17938.74009	11970.81153	21015.53839
21676.75948				
CASC8	CASC8	0	0.880336191	0
MORN2	MORN2	411.4628845	305.4766584	359.0493639
329.5353898				
GREM2	GREM2	30.20866747	67.78588674	52.4078264
97.09524878				
DAPK2	DAPK2	111.4595662	163.7425316	25.64638313
71.59548647				
METTL5	METTL5	4572.967248	4027.538076	4094.50082
4440.881681				
IGSF8	IGSF8	1878.145774	2207.002832	2721.861793
2569.591432				
IQSEC2	IQSEC2	3.125034566	1.760672383	0
C11orf84	C11orf84		70.83411683	3.923040355
66.90360818	70.61472638			394.3906138
AES	AES	16741.85185	15896.23061	10027.73581
9676.179035				
GSDMB	GSDMB	100.0011061	228.8874098	247.5433503
106.9028497				
VSIG10	VSIG10	115.6262789	100.3583258	41.25722504
103.9605694				
TAC01	TAC01	1897.93766	2081.995093	1704.926948
1799.694763				
PPOX	PPOX	1217.721803	851.2850971	913.2342516
955.2603264				
KIAA1598	KIAA1598		3.125034566	2.641008574
5.575300681	10.78836098			
APOD	APOD	1498.974914	516.7573444	374.6602058
165.748455				
KMT2B	KMT2B	370.8374352	500.9112929	448.2541748
287.362706				
FETUB	FETUB	0	0	1.961520177
MAP2K1	MAP2K1	4195.879744	5863.039035	3766.67314
4573.284293				

TMEM106C	TMEM106C		12791.80816	10298.17277
7812.111315	9606.545069			
SLC5A5 SLC5A5	61.45901313		28.17075813	131.5770961
49.03800443				
ABLIM1 ABLIM1	5072.972779		4957.173094	12759.63314
10544.15171				
RBX1 RBX1	11799.08884		14188.3784	10807.16284
11100.24268				
VIPAS39 VIPAS39	1697.935448		1200.778565	984.5981003
1246.546073				
STXBP1 STXBP1	352.0872278		635.6027302	709.1782467
929.7605641				
PKM PKM	105223.0389		147080.4085	81196.449
132120.1531				
FGFR10P FGFR10P	2280.233555		1692.886496	1406.090832
1550.5817				
RNF41 RNF41	3010.449965		2732.563538	3231.444275
2780.454851				
CNNM3 CNNM3	2778.155729		1766.834736	2431.946157
2278.305686				
ZNF75A ZNF75A	756.258365		679.6195398	1290.124578
1032.740373				
FAM218A FAM218A	30.20866747		26.41008574	51.29276627
75.51852683				
LYG2 LYG2	1.041678189		4.401680957	6.690360818
5.884560532				
HTRA4 HTRA4	1.041678189		2.641008574	2.230120273
4.903800443				
CACNA2D2	CACNA2D2		18.7502074	55.46118006
165.0289002	82.38384745			
CRCP CRCP	1355.223324		1283.530167	1878.87633
1511.351297				
TMEM11 TMEM11	3820.875596		2740.486564	2799.916002
2975.626109				
EBF1 EBF1	6.250069132		10.5640343	2.230120273
3.923040355				
TARBP2 TARBP2	2406.276616		1922.654242	1940.204637
2157.672195				
LIMS3L LIMS3L	1.041678189		0 1.115060136	0.980760089
E2F8 E2F8	3101.075968		3295.098365	1264.478195
1453.486451				
AGBL1	AGBL1	0 0	0 2.942280266	
EIF1AD EIF1AD	1825.020187		1680.561789	2523.381088
1786.944882				
ETS1 ETS1	18307.49417		34979.27823	16384.69364
21781.70081				
AQP8	AQP8	0 0	1.115060136	0
TIMM23 TIMM23	7755.294115		5220.393615	5501.706712
5574.640344				
TULP1	TULP1	0 0	3.345180409	8.826840798

TUFM	TUFM	23304.42444	14731.54583	18705.13379
18676.61437				
SGTA	SGTA	7318.830954	5263.530089	5257.508542
4846.916358				
RPL35A	RPL35A	10615.74242	12578.2435	13764.30232
12673.38187				
ACVR1	ACVR1	1650.018251	1422.623285	1648.058881
1158.277665				
CDK9	CDK9	6233.402281	5556.68204	5597.601884
5747.25412				
COL6A1	COL6A1	371.8791134	106.5206792	146.0728779
204.9788585				
ANKFY1	ANKFY1	4306.297632	4870.019811	4209.352014
3806.329904				
TBC1D7	TBC1D7	2183.357484	2599.632773	924.384853
1419.159848				
ERAP2	ERAP2	21021.06585	9705.706511	32417.02828
11979.00372				
TRIM14	TRIM14	7468.832613	6017.097868	7605.825189
5887.502812				
BDP1	BDP1	2021.897364	2278.310063	2434.176277
2321.45913				
TMEM126B	TMEM126B		2798.989293	3361.123579
3424.349678	3284.565537			
LRRD1	LRRD1	0	0	4.460240545
ZNF559-ZNF177	ZNF559-ZNF177		127.084739	4.903800443
457.1746559	175.5560559			86.27294676
PTPRF	PTPRF	0	53.70050768	3.345180409
GNRH1	GNRH1	9.375103698	16.72638764	29.42280266
6.865320621				
EIF4G3	EIF4G3	3187.535257	4097.964971	2270.262437
3151.182165				
PEX13	PEX13	1854.187176	1376.845803	1614.607077
1494.678375				
SLC22A18	SLC22A18		150.0016592	297.5536327
127.1168555	285.4011858			
NEMF	NEMF	3636.498557	3374.328622	3457.801483
3506.217317				
MTAP	MTAP	3726.082881	2149.780979	2835.597927
2939.337986				
MIR6889	MIR6889	7.291747321	3.521344766	3.345180409
4.903800443				
TMEM57	TMEM57	509.3806343	929.6350182	779.4270352
677.7052213				
LOC283194	LOC283194		0	0.880336191
0				2.230120273
MIR124-2HG	MIR124-2HG		0	0
LOC729970	LOC729970		0	0
			0	3.923040355
			1.760672383	12.2656615
				2.942280266
OR2L13	OR2L13	0	0	2.230120273
				10.78836098

REPIN1	REPIN1	1960.438351	3141.039531	2672.799147
2710.820885				
AKAP8L	AKAP8L	4571.92557	3532.789136	4930.795923
3843.598787				
QTRTD1	QTRTD1	2803.156006	1782.680788	2733.012394
1906.597612				
LSM3	LSM3	7965.713109	8071.802539	6264.407846
6524.99687				
MUS81	MUS81	3195.868683	3496.695352	2189.978108
3281.623257				
HSPB6	HSPB6	0	3.521344766	0
1.961520177				
ACPT	ACPT	25.00027653	40.49546481	23.41626286
25.49976231				
CLPP	CLPP	7414.665347	6641.256228	5332.217572
7170.337008				
MAT2A	MAT2A	20451.26788	20407.95359	19660.74032
22710.48061				
ZDHHC11	ZDHHC11	20.83356377	22.88874098	13.38072164
13.73064124				
AMHR2	AMHR2	0	0	1.961520177
1.961520177				
GSTK1	GSTK1	8875.098168	10905.60474	8300.507654
8380.594958				
C22orf46	C22orf46		326.0452731	558.1331454
431.5282727	570.8023716			
FBX015	FBX015	34.37538023	52.82017149	95.89517172
85.32612771				
TBC1D5	TBC1D5	1865.645636	2970.25431	2425.255796
2650.99452				
BACH1	BACH1	925.0102316	1312.581261	1843.194405
1402.486927				
IL2RA	IL2RA	91439.55308	60314.47348	50125.29831
60777.70269				
GSPT1	GSPT1	20729.39596	16392.74022	17661.4375
18198.98421				
EPHX4	EPHX4	27.08363291	29.93143051	56.86806695
48.05724434				
CHPF2	CHPF2	3103.159324	3869.957898	2806.606363
3291.430858				
C3orf58	C3orf58	1014.594556	1329.307649	1202.034827
968.0102075				
PALM2-AKAP2	PALM2-AKAP2		5329.225613	8304.211294
5218.481438	6271.960767			
METTL14	METTL14	1966.68842	1612.775903	2492.159405
2270.459605				
HIST2H3C	HIST2H3C		1.041678189	0
0				1.115060136
AN08	AN08	8.33342551	95.95664487	4.460240545
56.88408514				
ZNF704	ZNF704	38.54209298	21.12806859	84.74457036
37.26888337				

ZNF404	ZNF404	2.083356377	10.5640343	31.22168382
13.73064124				
NOP2	NOP2	11739.71319	6222.216201	11787.3007
10266.59661				
ZMAT3	ZMAT3	591.6732112	648.8077731	1958.045599
675.7437011				
TMX1	TMX1	11432.41812	9350.931025	8989.614819
8034.386646				
WNT3	WNT3	0	5.282017149	8.92048109
12.74988115				
WWOX	WWOX	590.631533	856.5671143	521.8481438
775.7812301				
PTP4A1	PTP4A1	19647.09232	11550.89117	20131.2957
12431.13412				
DNALI1	DNALI1	206.2522814	128.529084	118.1963744
158.8831344				
CDK11B	CDK11B	1284.389207	1383.888493	1554.39383
1199.469588				
DPYSL3	DPYSL3	0	5.282017149	0
0				
DPYSL2	DPYSL2	3550.039267	4063.63186	1741.723933
2271.440365				
NEDD1	NEDD1	6569.864336	6063.755687	5380.165157
6152.308036				
PHOSPH01	PHOSPH01		22.91692015	45.77748195
13.38072164				
CEACAM21	CEACAM21		1222.930194	1084.574188
1688.201046				
DDX17	DDX17	1484.391419	2839.084217	2055.055831
2043.904025				
YPEL5	YPEL5	2655.237703	2643.649583	7556.762543
4226.095222				
LANCL1	LANCL1	4362.548254	5025.839317	3258.205718
4679.206383				
ZNF397	ZNF397	248.9610871	251.7761508	792.8077569
495.2838448				
RBM28	RBM28	2520.861217	1893.603148	2284.758219
2249.863643				
HIGD2B	HIGD2B	1.041678189	3.521344766	6.690360818
9.807600887				
NPIPA7	NPIPA7	1.041678189	0	4.460240545
1.961520177				
TMEM163	TMEM163	33.33370204	49.29882672	6.690360818
0.980760089				
BTBD11	BTBD11	987.5109229	2141.857954	2068.436553
1952.693337				
LTBP1	LTBP1	20.83356377	62.50386959	0
21.57672195				
DID01	DID01	3183.368545	4053.067825	4480.311628
3829.868146				
NDUFA11	NDUFA11	5446.935249	6491.599076	4692.173053
4693.917784				
CDH11	CDH11	8.33342551	0	0
0				
CEBPG	CEBPG	4078.170109	3385.772992	5069.063379

3549.370761				
E2F6	E2F6	1340.639829	1091.616877	1074.917971
1048.432535				
PHYHD1	PHYHD1	16.66685102	4.401680957	10.03554123
6.865320621				
METTL15	METTL15	1286.472563	1080.172507	983.4830402
1141.604743				
IKBKG	IKBKG	1380.2236	1647.98935	1061.53725
1333.833721				
LARS2	LARS2	2792.739224	3008.989102	2340.511226
2839.300457				
ESYT2	ESYT2	10389.69825	12827.37865	7351.591478
10434.30658				
ZNF490	ZNF490	955.218899	988.617543	1338.072164
796.377192				
MAU2	MAU2	4351.089794	3315.346097	4309.707427
3405.199028				
NCSTN	NCSTN	6906.326391	5869.201388	6110.529547
6430.843901				
EPT1	EPT1	2313.567257	2563.538989	2096.313056
1917.385973				
EDAR	EDAR	13.54181645	5.282017149	423.7228518
169.6714953				
STRA13	STRA13	3508.37214	2483.428396	2551.257592
2532.322549				
WEE2	WEE2	3.125034566	1.760672383	5.575300681
2.942280266				
C1orf177	C1orf177		6.250069132	22.00840479
1.115060136	3.923040355			
MEF2BNB	MEF2BNB	928.1352661	798.4649256	557.5300681
593.3598536				
TPGS2	TPGS2	7150.079087	8965.343774	3558.156895
5702.139156				
VIPR1	VIPR1	29.16698928	52.82017149	311.101778
306.9779078				
TRIM22	TRIM22	7357.373047	3161.287263	44163.07176
15896.15952				
ARHGAP8	ARHGAP8	3.125034566	16.72638764	64.6734879
48.05724434				
TNFRSF10D	TNFRSF10D		185.4187176	88.03361914
778.3119751	382.4964346			
TP53INP2	TP53INP2		312.5034566	547.5691111
69.13372845	196.1520177			
CCL22	CCL22	978.1358192	330.1260718	11567.63385
1110.22042				
GPANK1	GPANK1	1.041678189	0	2.230120273
ST3GAL5	ST3GAL5	467.7135067	859.2081228	2.942280266
630.628737				651.1951196
MAFG-AS1	MAFG-AS1		55.208944	44.89714576
91.43493117	80.42232727			

NOP14-AS1	NOP14-AS1	1963.563386	1756.270702	
2103.003417	2228.286921			
RNF216P1	RNF216P1	1268.764034	1010.625948	
1828.698623	1462.313292			
LOC100129534	LOC100129534	1.041678189	12.32470668	0
23.53824213				
LINC00461	LINC00461	5.208390943	2.641008574	0
0				
LOC148413	LOC148413	2628.15407	2519.52218	
2993.936466	2688.263403			
LINC-PINT	LINC-PINT	1303.139414	830.1570285	
2309.289542	1131.797142			
ZMIZ1-AS1	ZMIZ1-AS1	3.125034566	15.84605145	
7.805420954	16.67292151			
LINC00094	LINC00094	1083.345316	1113.625282	
1154.087241	1568.235382			
ANKRD36BP2	ANKRD36BP2	4.166712755	14.96571525	
104.8156528	47.07648426			
LINC00426	LINC00426	267.7112945	500.9112929	
191.7903434	207.9211388			
LINC00908	LINC00908	0	1.760672383	0
9.807600887				
HSD17B14	HSD17B14	3.125034566	13.20504287	
129.3469758	25.49976231			
IFNA5 IFNA5	4.166712755	0	0	0
YTHDF1 YTHDF1	5963.60763	5323.39295	6146.211471	
4990.107331				
BTBD2 BTBD2	134.3764863	463.9371729	136.0373366	
273.6320647				
PAK4 PAK4	88.54264604	294.9126241	139.382517	
94.15296851				
MTERF2 MTERF2	391.670999	316.9210289	411.4571903	
407.0154368				
CCDC66 CCDC66	1476.057993	804.627279	2009.338366	
1238.699992				
C10TNF9B	C10TNF9B	35.41705842	41.375801	
23.41626286	27.46128248			
ESR1 ESR1	22.91692015	80.11059342	24.531323	
41.19192372				
DEPDC1B DEPDC1B	3945.876979	4213.289012	1671.475144	
2482.303784				
TNIK TNIK	814.5923436	1829.338606	1013.589664	
1123.951062				
LSM7 LSM7	3122.95121	3362.003915	2143.145582	
2479.361504				
ENPP4 ENPP4	1501.05827	1456.956397	1455.153478	
1288.718757				
GPALPP1 GPALPP1	1097.928811	1183.171841	953.3764165	
1101.39358				
EVI2B EVI2B	1746.894322	2236.934262	2142.030522	

1574.119942				
STRADB STRADB	2834.406351	1651.510695	2448.672059	
2237.113762				
NARS NARS	14807.45545	10086.89208	14607.28779	
11831.88971				
MAST3 MAST3	536.4642672	1217.504953	1253.327593	
1058.240136				
ATP2A1 ATP2A1	85.41761147	131.1700925	55.75300681	
58.84560532				
NOVA1 NOVA1	0 0.880336191	0	0	
ASCL1 ASCL1	0 1.760672383	0	15.69216142	
ARRB2 ARRB2	1858.353889	4518.765671	1126.210738	
1386.794765				
FBX032 FBX032	609.3817404	1287.051512	1219.875789	
1733.003077				
IL1RL1 IL1RL1	45.8338403	8.803361914	126.0017954	
18.63444168				
ATXN7 ATXN7	904.1766678	1582.844472	1913.443194	
1549.60094				
APOH APOH	2.083356377	1.760672383	0 0	
SLAMF6 SLAMF6	4294.839172	5244.162692	4426.788741	
7697.005176				
SNORD114-27	SNORD114-27	0 0	0 0.980760089	
SCARF1 SCARF1	15.62517283	16.72638764	55.75300681	
55.90332505				
HHLA2 HHLA2	25.00027653	44.01680957	10.03554123	
15.69216142				
HPS3 HPS3	3867.751115	3120.791799	3310.613545	
3296.334658				
FPGS FPGS	5400.05973	5094.50554	3955.118303	
5084.2603				
HRH1 HRH1	29.16698928	54.58084387	45.71746559	
156.9216142				
RUFY1 RUFY1	2294.81705	2279.1904	1893.372111	
2298.901648				
ARTN ARTN	0 0.880336191	0	0.980760089	
CTSC CTSC	26002.37095	16498.38056	9524.843684	
10474.51775				
SLC25A25	SLC25A25	950.0105081	1278.24815	
1020.280025	866.0111583			
MLH1 MLH1	7737.585586	6955.536249	4998.814591	
6655.437962				
SLC39A9 SLC39A9	4300.047563	4100.60598	3872.603853	
3442.467911				
INAFM2 INAFM2	389.5876426	326.604727	532.9987451	
381.5156745				
LOC283710	LOC283710	0 0	0 3.923040355	
SLC29A2 SLC29A2	79.16754234	140.8537906	326.7126199	
407.9961969				
SLC27A1 SLC27A1	119.7929917	212.1610221	238.6228692	

383.4771947					
LRRK2	LRRK2	0	9.683698106	0	8.826840798
ALAS1	ALAS1	9025.099827	5837.509285		5199.525415
6218.018962					
PSMC2	PSMC2	22279.4131	14856.55357		14567.14562
14262.21321					
GTF3C1	GTF3C1	3646.915339	6155.310651		3267.126199
4479.131325					
ETFA	ETFA	10317.82246	8484.680213		8127.673333
8679.726785					
BIVM-ERCC5	BIVM-ERCC5		4601.092559		4571.585842
4698.863414		4538.95769			
GUK1	GUK1	15103.29206	11615.15571		11815.1772
11370.93247					
FFAR3	FFAR3	0	0	31.22168382	38.24964346
THRAP3	THRAP3	13943.90423	12464.68013		14050.87278
12740.07355					
HOXC4	HOXC4	0	2.641008574	2.230120273	0
ARFGAP3	ARFGAP3	2673.98791	2645.410255		2997.281646
2728.474567					
PDPR	PDPR	1118.762375	2854.930269		1306.85048
1758.502839					
SNX10	SNX10	6278.194443	3759.035537		4030.942393
2876.56934					
TTC18	TTC18	77.08418596	103.8796706		137.1523968
108.8643698					
SPAG5-AS1	SPAG5-AS1		728.1330539		1289.69252
916.579432		956.2410865			
CHST7	CHST7	708.3411683	595.1072654		486.1662194
507.0529658					
WSB1	WSB1	5927.148894	4693.952573		6587.775285
6704.475966					
BHLHB9	BHLHB9	128.1264172	160.2211868		197.3656441
157.9023743					
GGACT	GGACT	235.4192706	284.3485898		320.0222591
325.6123494					
PNPT1	PNPT1	9725.10757	5068.97579		8439.890171
6519.112309					
DAZAP2	DAZAP2	30523.25429	27157.49117		31477.03259
26093.12216					
ATXN7L3B	ATXN7L3B		3807.33378		4069.794213
4747.92606		4777.282392			
JHDM1D-AS1	JHDM1D-AS1		377.0875043		382.9462433
196.250584		355.0351521			
SNX30	SNX30	105.2094971	156.6998421		308.8716577
366.8042732					
ZKSCAN2	ZKSCAN2	232.2942361	306.3569946		231.9325083
323.6508293					
GGA1	GGA1	1948.979891	2459.659319		2297.023881
2312.632289					

FBX048	FBX048	237.502627	279.0665727	223.0120273
212.8249392				
LIN52	LIN52	2754.197131	2050.30299	1963.6209
1827.156045				
PLVAP	PLVAP	0	3.345180409	0
LOC101928489	LOC101928489		89.58432423	62.50386959
35.68192436		26.48052239		
NOM02	NOM02	2861.489984	2092.559127	2099.658237
1989.96222				
KSR2	KSR2	5.208390943	0	49.062646
ANKRD52	ANKRD52	3566.706118	4475.629197	2725.206973
3131.566963				5.884560532
B4GALNT3	B4GALNT3		539.5893017	355.6558213
277.6499739		253.0361029		
LOC102724862	LOC102724862		42.70880574	54.58084387
51.29276627		65.71092594		
BTBD17	BTBD17	2.083356377	0	0
C17orf98	C17orf98		3.125034566	0
		3.923040355		2.230120273
NTRK2	NTRK2	387.5042862	285.228926	617.7433155
228.5171007				
C1orf192	C1orf192		13.54181645	19.36739621
7.805420954		7.846080709		
BCL2A1	BCL2A1	590.631533	1118.026963	1751.759474
3505.236557				
ADAMTS18	ADAMTS18		0	0.880336191
0				1.115060136
TNFRSF1B	TNFRSF1B		85623.86375	51061.25978
23455.28997		33431.16914		
ISOC1	ISOC1	4241.713584	3271.329287	3518.01473
3780.830142				
FAHD2A	FAHD2A	1277.097459	1128.590997	975.6776192
1070.009257				
KCNN1	KCNN1	3.125034566	0	5.575300681
DRAP1	DRAP1	4208.379882	3596.173342	4637.535107
3671.965772				0
TNFRSF1A	TNFRSF1A		1345.84822	1786.202132
1566.659491		1775.17576		
KIF21A	KIF21A	804.1755617	1125.069653	963.4119577
1352.468162				
GRID2	GRID2	0	0	4.903800443
ZNF358	ZNF358	4.166712755	34.33311147	23.41626286
33.34584301				
NBPF14	NBPF14	62.50069132	55.46118006	75.82408927
51.9802847				
ZSCAN30	ZSCAN30	393.7543553	432.24507	538.5740458
672.8014208				
TMED1	TMED1	2196.8993	2067.029377	1836.504044
1819.309964				
TYR03P	TYR03P	0	0.880336191	0
				0.980760089

OSTCP1	OSTCP1	2.083356377	0	0	0.980760089
RNF123	RNF123	3340.661951	3143.68054		2725.206973
3009.952712					
HIST1H4J	HIST1H4J		72.91747321		45.77748195
26.76144327		31.38432284			
RGS9	RGS9	387.5042862	442.8091043		76.9391494
215.7672195					
ISG20	ISG20	5833.397857	4859.455777		13909.26014
6957.512069					
MAOA	MAOA	70.83411683	14.08537906		133.8072164
42.17268381					
ILF2	ILF2	31799.31007	24461.90175		26473.75776
27724.12619					
MEF2BNB	MEF2BNB	MEF2BNB	559.3811873		466.5781815
431.5282727		383.4771947			
MED13	MED13	695.8410301	1633.023635		1203.149887
924.8567636					
MCHR1	MCHR1	1.041678189	2.641008574	0	2.942280266
UQCRQ	UQCRQ	9795.941687	11537.68613		8323.923917
8322.730112					
FNBP1	FNBP1	5919.857146	7076.142307		7021.533678
6827.070977					
DHX9	DHX9	24491.93757	21431.78458		21488.32389
22353.48394					
DLGAP5	DLGAP5	9690.732189	9807.825509		3670.777969
6718.206607					
NEDD8	NEDD8	11881.38142	9370.298422		9437.868993
9341.739845					
ACIN1	ACIN1	2201.066013	4174.55422		2312.634723
2273.401886					
SMCHD1	SMCHD1	9273.019236	12374.88584		16363.5075
9844.86977					
COPS6	COPS6	9978.23537	7000.433394		6632.377691
7893.157194					
FRYL	FRYL	1689.602022	5090.103859		2344.971467
2242.998323					
RRAGB	RRAGB	336.4620549	367.980528		518.5029634
402.1116364					
MIR25	MIR25	31.25034566	21.12806859		28.99156354
21.57672195					
MIR24-2	MIR24-2	4.166712755	3.521344766		1.115060136
2.942280266					
PAX2	PAX2	0	3.521344766	1.115060136	0
GTPBP2	GTPBP2	423.9630228	966.6091382		456.0595957
468.8033224					
PEX2	PEX2	4807.344841	3698.29234		3465.606904
3109.990241					
GPATCH11	GPATCH11		1390.640382		1240.393694
1274.513736		1106.29738			
SIMC1	SIMC1	1487.516453	1253.598737		1147.39688

1357.371963						
PIP	PIP	0	0.880336191	0	0	
KANK1	KANK1	1004.177774	227.1267374	1843.194405		
218.7094998						
ADCK1	ADCK1	379.1708607	223.6053926	415.9174308		
460.9572417						
EIF2S1	EIF2S1	17417.90099	11623.07874	14438.9137		
13874.81297						
MEX3D	MEX3D	4.166712755	24.64941336	5.575300681		
2.942280266						
SH2D4A	SH2D4A	178.1269703	181.3492554	220.781907		
341.3045109						
ACKR2	ACKR2	10.41678189	8.803361914	11.15060136		
7.846080709						
CLDN3	CLDN3	0	0.880336191	0	2.942280266	
ALOX12B	ALOX12B	22.91692015	28.17075813	51.29276627		
68.65320621						
ALOX5AP	ALOX5AP	2415.65172	5367.409759	3500.173768		
3475.813754						
NR4A3	NR4A3	373.9624697	532.6033958	262.039132		
591.3983335						
WDPCP	WDPCP	198.960534	137.3324459	157.2234792		
264.8052239						
FAM43A	FAM43A	1283.347528	1769.475745	796.1529373		
927.7990439						
TCTEX1D1	TCTEX1D1	0	0.880336191	0	0	
RALGPS2	RALGPS2	53.12558762	88.91395534	265.3843124		
146.1332532						
SDHAF1	SDHAF1	1021.886303	1021.189982	1220.990849		
1075.893817						
ZNF408	ZNF408	1138.55426	956.0451039	1081.608332		
1025.875053						
C12orf49	C12orf49		2527.111286	1971.072733		
2323.785324	1770.27196					
FBX031	FBX031	2385.443052	2073.191731	2991.706346		
2499.957466						
KLHL36	KLHL36	621.8818787	1325.786304	1159.662542		
1541.754859						
SNORD116-19	SNORD116-19	4.166712755	2.641008574	0		
1.961520177						
LRRC28	LRRC28	917.7184842	1291.453193	645.6198189		
834.6268355						
FAM215A	FAM215A	20.83356377	14.08537906	53.52288654		
25.49976231						
TRA2B	TRA2B	14833.49741	16143.60508	12444.07112		
12593.9403						
NDUFA5	NDUFA5	3709.41603	3899.889328	4143.563466		
3860.271709						
BOLL	BOLL	10.41678189	4.401680957	0	0	
ID2-AS1	ID2-AS1	21.87524196	32.57243908	30.10662368		

39.23040355					
PRKAR2A-AS1	PRKAR2A-AS1		7.291747321		20.2477324
1.115060136	32.36508293				
LOC100506476	LOC100506476		103.1261407		37.85445623
153.8782988	50.01876452				
LOC101927124	LOC101927124		44.79216211		29.93143051
66.90360818	35.30736319				
SLC25A30	SLC25A30		278.1280764		537.885413
357.9343037	219.6902599				
GOPC	GOPC		2410.360492		2488.814224
2234.171482					
DTNBP1	DTNBP1	1651.059929	1883.91945		1598.996235
1726.137756					
FAM188B	FAM188B	78.12586415	92.4353001		110.3909535
126.5180514					
SLC19A2	SLC19A2	1081.26196	993.8995601		434.8734531
668.8783805					
CACNA1A	CACNA1A	31.25034566	23.76907717		56.86806695
53.94180488					
TMEM109	TMEM109	11082.41425	9561.331375		9415.567791
9442.758134					
RETNLB	RETNLB	0	4.460240545		0
KIAA1324	KIAA1324		2538.569746		1878.637433
1050.386648	1358.352723				
AHNAK	AHNAK	5150.056965	9109.718909		3751.062298
4381.055316					
NUP37	NUP37	5155.265356	4218.571029		3204.682832
3490.525156					
SMOX	SMOX	918.7601624	868.0114848		292.1457557
658.0900195					
SYTL5	SYTL5	0	4.401680957		5.884560532
FAM60A	FAM60A	7661.543078	7346.405518		8810.090137
8401.19092					
GLI1	GLI1	12.50013826	34.33311147		1.115060136
16.67292151					
FGF22	FGF22	1.041678189	0		0
RET	RET	22.91692015	182.2295916		0
HIST2H2AA4	HIST2H2AA4		1.041678189		67.67244612
2.230120273	0				7.042689532
GLB1L3	GLB1L3	114.5846008	247.3744698		49.062646
113.7681703					
EIF3H	EIF3H	7430.29052	6771.545985		7517.735439
6428.882381					
CSGALNACT1	CSGALNACT1		2626.070714		1716.655573
1105.024595	1086.682178				
TMEM255A	TMEM255A		0		1.115060136
COR01B	COR01B	2247.941531	1788.843141		1530.977567
2524.476468					
LSM10	LSM10	3607.331567	2736.965219		3042.999112
2650.01376					

CLUAP1	CLUAP1	794.800458	780.8582018	1993.727524
1059.220896				
MRPL55	MRPL55	2967.74116	2237.814599	2715.171432
2577.437513				
ASB14	ASB14	198.960534	227.1267374	245.31323
224.5940603				
HIST1H3F	HIST1H3F		45.8338403	114.4437049
18.95602232		44.13420399		
FAAH2	FAAH2	548.9644054	1103.061248	1399.400471
1810.483124				
FAM9C	FAM9C	3.125034566	0.880336191	0 7.846080709
NDUFAF2	NDUFAF2	811.467309	736.8413922	868.6318462
688.4935822				
PSORS1C2	PSORS1C2		0 0	0 0.980760089
MCTS2P	MCTS2P	429.1714137	328.3653994	393.6162281
429.5729188				
LINC01480	LINC01480		154.1683719	250.0154784
296.6059962		425.6498785		
LOC101929698	LOC101929698		54.16726581	37.85445623
60.21324736		30.40356275		
FRAS1	FRAS1	0 8.803361914	4.460240545	0
EME1	EME1	2223.982933	2415.642509	1357.028186
1881.09785				
ABHD14A-ACY1	ABHD14A-ACY1		1929.188005	1566.118085
1904.522713		2474.457704		
HERC2P2	HERC2P2	248.9610871	875.9345105	162.7987799
779.7042705				
MIR29B1	MIR29B1	0 0	2.230120273	0.980760089
MIR101-1	MIR101-1		0 1.760672383	8.92048109
0.980760089				
ZNF667-AS1	ZNF667-AS1		46.87551849	24.64941336
218.5517867		73.55700665		
G3BP1	G3BP1	28994.0707	23126.43175	25883.89094
25348.72525				
SSBP3	SSBP3	486.4637141	969.2501468	392.501168
392.3040355				
ZMAT2	ZMAT2	1770.852921	2773.059003	2717.401552
2620.590957				
DCXR	DCXR	3675.04065	3447.396526	3039.653931
3195.316369				
LCORL	LCORL	1082.303638	969.2501468	836.2951022
833.6460754				
TMEM147	TMEM147	3490.66361	3442.114509	3472.297264
3747.484299				
RBM39	RBM39	13840.77809	12733.18267	14137.84747
14561.34504				
TRAM1L1	TRAM1L1	0 1.760672383	0	0
C4orf32	C4orf32	1570.850709	1061.685447	2411.875075
1529.004978				
DCLRE1A	DCLRE1A	3046.908702	2873.417329	1781.866098

2330.285971					
CELF1 CELF1	9470.938092	9117.641935	9463.515376		
10143.02084					
ZRANB2-AS1	ZRANB2-AS1	931.2603007	855.6867781		
830.7198015	1019.990492				
CLN5 CLN5	1380.2236	912.9086305	1999.302824		
1424.063649					
LOC440896	LOC440896	0 0	16.72590204	0	
RPL32P3 RPL32P3	178.1269703	219.2037117	233.0475685		
242.2477419					
CCT6P1 CCT6P1	252.0861217	235.9300993	372.4300855		
329.5353898					
LOC100289361	LOC100289361	23.95859834	51.93983529		
13.38072164	35.30736319				
SDC4 SDC4	2710.446647	5404.383879	1727.228151		
3004.068152					
AZGP1 AZGP1	0 0	3.345180409	0		
COL8A1 COL8A1	0 0	1.115060136	1.961520177		
ATR ATR	1883.354165	3153.364238	2381.768451		
2505.842027					
GNB4 GNB4	706.2578119	1457.836733	238.6228692		
333.4584301					
US01 US01	6827.158849	6400.044112	5390.200699		
6152.308036					
NR1H3 NR1H3	551.0477618	458.6551557	408.1120099		
390.3425153					
FANCM FANCM	1620.851262	1422.623285	1165.237842		
1231.834671					
ABR ABR	2030.23079	3750.232176	1936.859457		
2824.589055					
LOC101927599	LOC101927599	85.41761147	117.0847135		
83.62951022	68.65320621				
KRT81 KRT81	5.208390943	0 0	0		
TRDMT1 TRDMT1	787.5087107	537.0050768	559.7601884		
513.9182865					
C5AR1 C5AR1	1.041678189	0 8.92048109	8.826840798		
STARD7 STARD7	35599.3521	26614.32374	31516.05969		
30756.63638					
ETS2 ETS2	3554.20598	2399.796458	3701.999652		
2556.841551					
POLR3C POLR3C	4017.752774	2854.049933	4337.58393		
3458.160073					
ZNF181 ZNF181	321.8785603	292.2716156	1539.898048		
688.4935822					
WDR62 WDR62	1684.393631	2575.863696	905.4288306		
1124.931822					
FERMT3 FERMT3	23945.05652	16068.7765	13369.57103		
18677.59513					
SNX29P1 SNX29P1	0 0	1.115060136	0.980760089		
TRIM16L TRIM16L	12.50013826	24.64941336	46.83252572		

33.34584301					
FEZ1	FEZ1	37.50041479	86.27294676	66.90360818	
167.7099752					
ABCA10	ABCA10	2.083356377	0.880336191	3.345180409	
0.980760089					
LY9	LY9	73.9591514	136.4521097	2882.430452	
1408.371487					
TFPI	TFPI	50.00055306	94.19597248	0	21.57672195
ERVMER34-1	ERVMER34-1	0	0	0	6.865320621
TREML1	TREML1	0	0	33.45180409	4.903800443
GSDMA	GSDMA	61.45901313	69.54655912	51.29276627	
190.2674572					
MAPK7	MAPK7	473.9635759	681.3802122	508.4674221	
509.9952461					
ATRNL	ATRNL	593.7565676	926.1136734	461.6348964	
688.4935822					
FUT8	FUT8	9661.5652	8865.865784	4175.90021	
4607.610897					
KLHL8	KLHL8	1986.480306	1905.047518	2232.350393	
1870.309489					
NOG	NOG	0	0	56.86806695	16.67292151
ATAD3A	ATAD3A	4731.302333	3658.677212	3237.019576	
3691.580974					
HORMAD1	HORMAD1	1.041678189	0	13.38072164	0.980760089
KCNQ2	KCNQ2	0	1.760672383	0	20.59596186
GCGR	GCGR	0	0	0	6.865320621
F5	F5	3867.751115	5569.887083	2259.111836	
9287.79804					
TMEM50B	TMEM50B	2658.362738	1953.466009	3936.162281	
2777.512571					
BIN3	BIN3	2892.74033	2129.533247	1970.311261	
2090.980509					
CMAS	CMAS	6239.65235	3914.855043	4009.75625	
4651.745101					
METTL18	METTL18	856.2594711	874.1738381	989.0583409	
1122.970302					
ZNF622	ZNF622	4883.387349	3543.353171	4159.174308	
4200.59546					
EPHB1	EPHB1	229.1692015	185.7509364	60.21324736	
70.61472638					
MPRIP	MPRIP	2248.983209	2725.520849	1509.791425	
1809.502364					
ITGB5	ITGB5	15.62517283	35.21344766	41.25722504	
69.6339663					
GGT1	GGT1	5690.687945	3575.045273	1635.79322	
1994.86602					
NUP43	NUP43	1360.431714	2055.585007	1418.356493	
1682.984312					
SETD9	SETD9	514.5890252	468.3388538	646.734879	
543.3410891					

WDR36	WDR36	7167.787616	6286.480743	7592.444468
7723.485698				
CELA2A	CELA2A	0	0.880336191	0
2.942280266				
SLC47A2	SLC47A2	4.166712755	1.760672383	11.15060136
5.884560532				
SNX21	SNX21	585.423142	617.9960064	491.7415201
559.0332505				
UHRF2	UHRF2	2569.820092	3447.396526	2362.812429
2659.82136				
FNIP2	FNIP2	1360.431714	1367.162105	2078.472094
2177.287397				
PERM1	PERM1	3.125034566	5.282017149	8.92048109
5.884560532				
CCDC173	CCDC173	3.125034566	2.641008574	4.460240545
9.807600887				
NXPE3	NXPE3	3143.784773	2814.434804	4321.973088
3601.351046				
MIR4461	MIR4461	0	0	1.115060136
0				
MIR4458	MIR4458	7.291747321	3.521344766	6.690360818
1.961520177				
EBLN2	EBLN2	105.2094971	104.7600068	81.39938995
70.61472638				
SAMD4B	SAMD4B	1025.011338	1559.075395	1232.141451
1283.814956				
GOLGA3	GOLGA3	1645.851538	2300.318468	1935.744397
1411.313768				
TAF5L	TAF5L	231.2525579	1054.642757	347.8987625
272.6513047				
GPD1L	GPD1L	1715.643977	1594.288843	1371.523968
1115.124221				
LGALS14	LGALS14	5.208390943	14.08537906	23.41626286
33.34584301				
CEP135	CEP135	1553.142179	1497.451862	1422.816734
1415.236808				
CCDC28A	CCDC28A	1880.229131	1750.108349	2072.896793
1668.272911				
GRB7	GRB7	15.62517283	15.84605145	26.76144327
39.23040355				
PIP5KL1	PIP5KL1	2.083356377	8.803361914	13.38072164
25.49976231				
AP5Z1	AP5Z1	3103.159324	2081.114757	2805.491303
2458.765542				
SV2A	SV2A	106.2511752	322.2030461	253.1186509
460.9572417				
RQCD1	RQCD1	8415.718086	6614.846142	6189.698816
4644.87978				
SNORA43	SNORA43	5.208390943	11.44437049	13.38072164
11.76912106				
SNORA80E	SNORA80E		9.375103698	18.48706002
12.2656615	10.78836098			

RFPL1S RFPL1S	13.54181645	0.880336191	1.115060136
8.826840798			
SNORA40 SNORA40	54.16726581	33.45277527	39.02710477
57.86484523			
ALOX12P2 ALOX12P2		64.5840477	64.26454197
27.87650341	19.61520177		
TMEM127 TMEM127	5379.226166	4377.91188	4948.636885
4701.763865			
SNORD72 SNORD72	1.041678189	7.923025723	0 4.903800443
SNORD74 SNORD74	14.58349464	14.08537906	15.61084191
9.807600887			
HINFP HINFP	1822.93683	1586.365817	1935.744397
1888.943931			
FKBP7 FKBP7	139.5848773	231.5284183	119.3114346
226.5555805			
HIST1H1B HIST1H1B		859.3845057	1389.17051
395.8463484	374.6503539		
TTC33 TTC33	1616.684549	1890.081803	1629.102859
1737.906877			
HIST1H1D HIST1H1D		1701.060482	3580.327291
1716.07755	1308.333958		
HIST1H1C HIST1H1C		1521.891834	2919.194811
1470.76432	1197.508068		
PPP2R5B PPP2R5B	436.4631611	560.7741539	589.8668121
558.0524905			
PSMG3-AS1 PSMG3-AS1		446.879943	408.4759928
327.8276801	349.1505916		
CSNK1A1P1 CSNK1A1P1		0 6.16235334	5.575300681
0.980760089			
LINC01126 LINC01126		7.291747321	22.88874098
1.115060136	3.923040355		
GCSAML-AS1 GCSAML-AS1		0 2.641008574	1.115060136
0			
TJAP1 TJAP1	854.1761147	964.8484658	821.7993204
858.1650776			
ZNF524 ZNF524	908.3433805	961.327121	642.2746385
691.4358625			
FBLN7 FBLN7	1232.305297	488.5865862	1703.811888
1986.03918			
ARHGEF19 ARHGEF19		590.631533	309.8783394
496.2017606	425.6498785		
KIF5B KIF5B	11464.71014	9786.69744	10560.73455
8699.341986			
NEURL4 NEURL4	237.502627	492.9882672	366.8547848
305.0163876			
TCFL5 TCFL5	54.16726581	130.2897563	200.7108245
212.8249392			
TCAP TCAP	14.58349464	1.760672383	3.345180409
1.961520177			
SRSF2 SRSF2	25147.15315	21370.16105	20047.66619

21640.47136					
RFC4	RFC4	6142.776279	5446.640016	3734.336396	
4796.897594					
SMARCC1	SMARCC1	8782.388809	11348.41384	7109.623429	
9559.468584					
LOC100093631	LOC100093631		138.5431991	182.2295916	
119.3114346		135.3448922			
ACTN3	ACTN3	6.250069132	11.44437049	28.99156354	
15.69216142					
GCH1	GCH1	8348.009004	7556.805867	6162.937373	
4029.943204					
CHAC1	CHAC1	182.293683	176.0672383	774.9667947	
229.4978607					
METTL22	METTL22	826.0508036	768.5334951	724.7890886	
710.0703042					
FBXW12	FBXW12	0	0	3.923040355	
LRP3	LRP3	0	4.401680957	6.690360818	4.903800443
LRRC29	LRRC29	82.29257691	66.02521436	91.43493117	
93.17220842					
PTPRK	PTPRK	958.3439336	501.7916291	1316.886021	
375.631114					
MAPK8	MAPK8	758.3417214	1357.478407	754.8957123	
797.3579521					
IRF1	IRF1	16688.72626	14539.63254	33208.72098	
19772.12339					
ITGA9	ITGA9	31.25034566	166.3835402	2.230120273	
32.36508293					
TNRC18	TNRC18	113.5429226	331.8867442	130.4620359	
168.6907353					
ARID4B	ARID4B	3696.915892	3613.780066	6839.778876	
5097.010181					
GINS2	GINS2	6841.742343	6255.668976	3753.292419	
4995.991892					
MIR3648-1	MIR3648-1		4.166712755	22.88874098	
25.64638313		7.846080709			
LINC01094	LINC01094		1.041678189	0	0
OR1J4	OR1J4	0	0	1.961520177	0
TRAPPC5	TRAPPC5	2270.858451	2178.832074	1829.813684	
1867.367209					
ANKRD62P1-PARP4P3	ANKRD62P1-PARP4P3			0	0
2.230120273		1.961520177			
ARPC5	ARPC5	43156.72736	39169.6785	23105.16108	
30276.06394					
UBL4A	UBL4A	6277.152765	5239.761011	5142.657348	
5567.775023					
CBY1	CBY1	415.6295973	292.2716156	527.4234445	
447.2266004					
AIMP1	AIMP1	3690.665823	2832.041528	3623.945443	
3317.91138					
TMF1	TMF1	5089.63963	3904.291009	4426.788741	

3654.31209				
JAK1	JAK1	23551.30217	25306.14416	26171.57646
26387.35019				
C10orf32	C10orf32		1065.636787	1095.138222
1063.76737		848.3574767		
RBM4	RBM4	7506.333028	6582.273703	7911.351667
7930.426077				
FAM24B	FAM24B	136.4598427	207.7593412	132.6921562
216.7479796				
PGC	PGC	0	0	10.03554123
HAUS7	HAUS7	2373.984592	1766.834736	1883.33657
2090.980509				
HSP90AB4P	HSP90AB4P		11.45846008	22.88874098
14.49578177		3.923040355		
UGDH	UGDH	2597.945403	2432.368897	4038.747814
3073.702118				
MTF2	MTF2	7101.120212	6643.897237	4817.059789
5362.796165				
CCNL2	CCNL2	3957.335439	3954.470172	3676.353269
4484.035125				
GST02	GST02	30.20866747	21.12806859	86.97469063
56.88408514				
CCNI2	CCNI2	1041.678189	277.3059003	704.7180061
407.0154368				
ARHGAP9	ARHGAP9	5803.189189	6108.652832	3389.782814
5548.159822				
TMED6	TMED6	26.04195472	10.5640343	23.41626286
37.26888337				
GSG1L	GSG1L	0	2.641008574	0
CEP152	CEP152	2730.238533	3016.912128	1462.958899
2284.190247				
SCYL2	SCYL2	3585.456326	3619.942419	4040.977934
2877.5501				
SEC23IP	SEC23IP	8534.4694	7135.124832	6255.487364
7062.453398				
ARR3	ARR3	8.33342551	21.12806859	16.72590204
19.61520177				
MRPL57	MRPL57	4997.971949	5361.247406	4349.849592
4791.013033				
ACAT1	ACAT1	10270.94694	7388.661655	5709.107898
6637.78428				
PPFIBP1	PPFIBP1	661.4656498	433.1254062	340.0933416
208.9018989				
TIAF1	TIAF1	448.9632993	785.2598828	488.3963397
468.8033224				
FNBP4	FNBP4	3273.994547	3808.334364	4828.21039
3570.947483				
MTG1	MTG1	2944.824239	2757.212952	2172.137145
3235.527533				
TMEM79	TMEM79	579.1730729	523.8000339	801.728238

674.762941					
PRPF19	PRPF19	542.7143363	1697.288177	683.5318635	
682.6090217					
LINC00521	LINC00521		1.041678189	3.521344766	0
0					
POPDC3	POPDC3	6.250069132	16.72638764	1.115060136	
18.63444168					
SPACA6P	SPACA6P	8.33342551	14.96571525	50.17770613	
34.3266031					
HINT1	HINT1	19613.75862	19899.99961	14923.96486	
14092.54171					
GHRL0S	GHRL0S	166.6685102	275.5452279	126.0017954	
156.9216142					
KBTBD4	KBTBD4	4296.922528	3633.147462	4232.768277	
3927.944155					
RNF135	RNF135	759.3833996	703.388617	703.602946	
975.8562882					
NUDT9	NUDT9	947.9271517	724.5166856	1456.268538	
1169.066026					
FAM217A	FAM217A	0	0.880336191	7.805420954	0.980760089
TMEM132D	TMEM132D		0	0	2.942280266
GRIN3A	GRIN3A	5.208390943	7.042689532	25.64638313	0
AMOTL1	AMOTL1	103.1261407	335.4080889	81.39938995	
109.8451299					
RNF152	RNF152	0	0	10.03554123	0
CCDC83	CCDC83	2.083356377	0	8.92048109	0.980760089
TYSND1	TYSND1	948.9688299	1004.463594	1362.603487	
1591.773624					
CCDC171	CCDC171	88.54264604	126.7684116	168.3740806	
157.9023743					
LBH	LBH	6949.035197	10520.01749	12461.91208	
13874.81297					
TRIM8	TRIM8	2634.404139	3259.884917	1958.045599	
2523.495708					
EXOSC6	EXOSC6	3536.497451	2199.079806	2890.235873	
3017.798793					
YTHDC2	YTHDC2	1956.271638	2084.636101	1973.656441	
2107.653431					
TES	TES	10941.78769	8719.729976	8881.453985	
7302.73962					
ZNF441	ZNF441	404.1711372	517.6376806	1717.19261	
1128.854862					
DHDH	DHDH	32.29202385	29.93143051	50.17770613	
35.30736319					
LRRC8D	LRRC8D	2921.907319	2788.905054	4258.41466	
3510.140357					
HNRNPDL	HNRNPDL	11105.33117	9773.492397	13581.43246	
12377.19232					
ELM02	ELM02	7901.129061	5990.687783	6649.103593	
6441.632262					

RBAK-RBAKDN	RBAK-RBAKDN	125.0013826	163.7425316		
219.6668468	176.536816				
TACR2 TACR2	6.250069132	0	4.460240545	2.942280266	
RGS22 RGS22	0	1.760672383	0	0	
LOC644656	LOC644656	69.79243864	111.8026963		
92.54999131	47.07648426				
LOC100287632	LOC100287632	0	0	1.115060136	0
ZFP37 ZFP37	79.16754234	37.85445623	211.8614259		
103.9605694					
LOC100129055	LOC100129055	0	0	14.49578177	0
KCNJ2-AS1	KCNJ2-AS1	2.083356377	0	0	0
PTPN22 PTPN22	10957.41287	9650.245331	5115.895905		
6799.609695					
CES3 CES3	61.45901313	42.25613719	31.22168382		
28.44204257					
CFI CFI	15.62517283	23.76907717	0	24.51900222	
THOC7-AS1	THOC7-AS1	0	8.803361914	0	
0.980760089					
CTBP1-AS	CTBP1-AS	2213.566151	3118.15079		
2174.367266	2746.128248				
ZNF471 ZNF471	0	12.32470668	21.18614259	12.74988115	
ARHGAP20	ARHGAP20	1.041678189	0	11.15060136	
0.980760089					
RAD52 RAD52	563.5479001	492.107931	742.6300508		
472.7263627					
STAMPB STAMPB	3875.042862	3346.157864	3462.261723		
3711.196176					
TM4SF19 TM4SF19	4.166712755	1.760672383	6.690360818		
3.923040355					
GLI4 GLI4	195.8354995	191.0329535	201.8258847		
230.4786208					
ISCA1 ISCA1	3134.40967	2279.1904	3926.12674		
2670.609721					
CYP4B1 CYP4B1	5.208390943	0	0	0	
KIF9 KIF9	162.5017974	198.9559793	221.8969671		
162.8061747					
EIF3CL EIF3CL	2114.606723	1402.375553	1694.891407		
1830.098325					
ANKRD16 ANKRD16	372.9207916	311.6390118	360.164424		
395.2463157					
RAP1B RAP1B	21550.23837	16849.6347	17538.78088		
16693.51747					
IL12B IL12B	4.166712755	3.521344766	0	0.980760089	
ABHD14A ABHD14A	958.3439336	752.6874437	1164.122782		
890.5301605					
SYNJ2BP SYNJ2BP	394.7960335	352.1344766	805.0734184		
657.1092594					
STARD8 STARD8	26.04195472	34.33311147	2.230120273		
19.61520177					
RAB5B RAB5B	2538.569746	3666.600237	4163.634549		

3198.258649				
PKMYT1 PKMYT1	7006.327497	6836.690863	3509.094249	
4826.320396				
TARS TARS	14473.07675	10951.38222	15312.00579	
11843.65883				
ZNF547 ZNF547	335.4203768	276.4255641	425.9529721	
330.5161499				
DNAH17 DNAH17	406.2544936	361.8181747	312.2168382	
369.7465534				
USP39 USP39	9263.644132	7467.011576	7288.033051	
7825.484747				
FAM132B FAM132B	5.208390943	16.72638764	5.575300681	
19.61520177				
DPH5 DPH5	1843.770394	1163.804445	1711.617309	
1365.218043				
PPA2 PPA2	5181.307311	4884.10519	4211.582135	
5212.739871				
IRX6 IRX6	4.166712755	0 0	0	
POMT2 POMT2	292.711571	264.1008574	410.3421301	
346.2083113				
NSUN7 NSUN7	6.250069132	7.923025723	3.345180409	
2.942280266				
TTI2 TTI2	5575.061666	4307.484985	4888.423637	
4700.783105				
SFXN3 SFXN3	1308.347805	1845.184657	1088.298693	
1894.828491				
CDHR5 CDHR5	0 0.880336191	0	0	
SAC3D1 SAC3D1	1407.307233	1378.606476	1004.669183	
1075.893817				
RBP5 RBP5	10.41678189	29.05109432	16.72590204	
13.73064124				
L3MBTL2 L3MBTL2	5246.933036	3774.881589	4094.50082	
4346.728713				
OR10A5 OR10A5	0 0	0 0.980760089		
MTRF1L MTRF1L	1561.475605	889.1395534	1360.373366	
935.6451246				
HES2 HES2	57.29230038	51.0594991	24.531323	
14.71140133				
YME1L1 YME1L1	19859.59467	15554.66017	15412.3612	
14718.26665				
LRRC73 LRRC73	0 0.880336191	0	0	
PLAC9 PLAC9	0 3.521344766	1.115060136	0	
FAM209A FAM209A	13.54181645	7.042689532	7.805420954	
12.74988115				
SPIN4 SPIN4	268.7529727	493.8686034	195.1355238	
239.3054616				
OCIAD2 OCIAD2	5233.39122	4393.757931	4975.398328	
4283.960067				
CDR1 CDR1	0 18.48706002	0	0.980760089	
SURF6 SURF6	1614.601192	1353.076726	2196.668468	

1989.96222						
TREML4	TREML4	0	0	2.230120273	0	
C1orf52	C1orf52	1680.226918		1260.641426	1753.989594	
1601.581225						
TTBK1	TTBK1	23.95859834		19.36739621	13.38072164	
4.903800443						
HEATR9	HEATR9	7.291747321		4.401680957	3.345180409	
10.78836098						
SWT1	SWT1	325.0035949		256.1778317	705.8330663	
481.5532035						
OR7E14P	OR7E14P	1.041678189		7.923025723	15.61084191	
10.78836098						
METTL21C	METTL21C		0	1.760672383	0	0
WDR38	WDR38	595.8399239		647.9274369	592.0969324	
586.494533						
MIR4741	MIR4741	137.5015209		110.9223601	80.28432981	
77.480047						
POTEE	POTEE	48.95887487		44.01680957	20.07108245	
38.24964346						
GABRR3	GABRR3	1.041678189	0	3.345180409	0	
ICA1	ICA1	131.2514518		241.2121165	146.0728779	
335.4199503						
ZNF236	ZNF236	754.1750086		1126.830325	1040.351107	
823.8384745						
TCF25	TCF25	5293.808555		4750.294089	5462.679608	
5084.2603						
ELP3	ELP3	4625.051158		3512.541404	3538.085812	
4242.768144						
SGMS2	SGMS2	30.20866747		80.11059342	62.44336763	
38.24964346						
GPCPD1	GPCPD1	2198.982656		1683.202798	3164.540667	
2322.43989						
OAT	OAT	6863.617585		5024.958981	5813.92355	
5531.4869						
CCR2	CCR2	15848.09196		6113.93485	1878.87633	
1596.677424						
TBC1D3	TBC1D3	42.70880574		54.58084387	51.29276627	
65.71092594						
DDHD1	DDHD1	5533.394538		4255.545149	5285.385046	
4549.746051						
CPOX	CPOX	7219.871526		4149.02447	4142.448406	
2928.549625						
CDR2	CDR2	5905.273652		5253.846391	4853.856773	
4425.18952						
GLRA1	GLRA1	1.041678189	0	1.115060136	0	
NLRP2	NLRP2	193.7521431		937.5580439	76.9391494	
541.3795689						
ENPP3	ENPP3	33.33370204		39.61512861	6.690360818	
30.40356275						
UBQLNL	UBQLNL	1.041678189	0	15.61084191	0	

KCTD3	KCTD3	562.5062219	588.9449121	134.9222765	
304.0356275					
KPNA2	KPNA2	44597.36829	32777.55742	31549.5115	
30835.09719					
KPNB1	KPNB1	5756.313671	9398.46918	7784.234811	
5680.562434					
SLC35A3	SLC35A3	1275.014103	1282.649831	1122.865557	
1093.547499					
SP2	SP2	717.716272	1612.775903	911.0041313	
765.9736292					
RNASEH2B	RNASEH2B		4338.589656	4805.755269	
2980.555744	3113.913282				
MIIP	MIIP	3204.202108	2172.66972	2909.191896	
2406.785258					
DYX1C1	DYX1C1	16.66685102	6.16235334	5.575300681	
7.846080709					
TMEM180	TMEM180	264.5862599	1021.189982	316.6770787	
1028.817333					
CSPP1	CSPP1	485.4220359	514.996672	1010.244483	
591.3983335					
RNU6-64P	RNU6-64P		0	0.880336191	0
RNU6-72P	RNU6-72P		1.041678189	0	0
2.942280266					
RNU6-78P	RNU6-78P		2.083356377	2.641008574	
8.92048109	5.884560532				
RNU6-83P	RNU6-83P		2.083356377	3.521344766	0
0					
RAB36	RAB36	12.50013826	15.84605145	84.74457036	
49.03800443					
NDRG1	NDRG1	2510.444435	2840.84489	1961.39078	
1945.828016					
LZTR1	LZTR1	1793.769841	2526.564869	1406.090832	
2520.553428					
LYZ	LYZ	2242.73314	40.49546481	86.97469063	
10.78836098					
RNPEPL1	RNPEPL1	5178.182276	5213.350926	3767.7882	
4437.939401					
KLHL34	KLHL34	20.83356377	19.36739621	136.0373366	
40.21116364					
LIN7A	LIN7A	28.12531109	13.20504287	10.03554123	0
DCUN1D1	DCUN1D1	4354.214829	3841.787139	2899.156354	
3335.565062					
RAVER1	RAVER1	2081.273021	4945.728723	2356.122068	
2626.475517					
LDHD	LDHD	3.125034566	18.48706002	0	9.807600887
COPS3	COPS3	12459.51282	9526.998264	8372.986563	
7784.292824					
TRIM39-RPP21	TRIM39-RPP21		211.4606723	21.12806859	
380.2355065	36.28812328				
UBE2L3	UBE2L3	15001.2076	11747.20614	11458.35796	

10631.43936				
LINC00597	LINC00597	2.083356377	3.521344766	
2.230120273	8.826840798			
RUNX1-IT1	RUNX1-IT1	94.79271517	99.47798963	
159.4535995	107.8836098			
LINC00887	LINC00887	93.75103698	250.0154784	
3.345180409	24.51900222			
LINC00638	LINC00638	32.29202385	30.8117667	
194.0204637	62.76864567			
RNF165 RNF165	2.083356377	8.803361914	1.115060136	
12.74988115				
LINC00689	LINC00689	5.208390943	18.48706002	
4.460240545	34.3266031			
PHKB PHKB	3569.831153	3293.337692	2214.509431	
2839.300457				
NNT-AS1 NNT-AS1	454.1716903	559.0134816	463.8650167	
384.4579548				
EPN2-IT1	EPN2-IT1	6.250069132	3.521344766	
8.92048109	4.903800443			
FER1L6-AS2	FER1L6-AS2	1.041678189	0 0 0	
FDPS FDPS	11440.75155	12786.88318	6678.095156	
10998.24363				
XRN1 XRN1	5181.307311	5211.590253	11083.69775	
6013.040104				
ZFP82 ZFP82	391.670999	383.8265795	1125.095677	
843.4536763				
GALNT15 GALNT15	2.083356377	2.641008574	0 0	
NOL4L NOL4L	302.0866747	493.8686034	874.2071468	
1158.277665				
GLRX2 GLRX2	1141.679295	996.5405687	830.7198015	
858.1650776				
FGD5-AS1	FGD5-AS1	3263.577765	4537.252731	
4859.432074	5543.256021			
CHEK1 CHEK1	5225.057795	5326.033958	2778.72986	
3893.617552				
LOC100507600	LOC100507600	121.8763481	141.7341268	
61.32830749	147.1140133			
LOC646626	LOC646626	268.7529727	250.8958146	
248.6584104	277.5551051			
CCDC148 CCDC148	5.208390943	2.641008574	0 2.942280266	
MAMSTR MAMSTR	51.04223125	45.77748195	104.8156528	
92.19144833				
LHFPL5 LHFPL5	0 0	0 0.980760089		
RBM45 RBM45	1469.807924	1035.275361	744.860171	
897.3954811				
KCNQ5 KCNQ5	233.3359143	213.0413583	315.5620186	
324.6315893				
PLCD4 PLCD4	40.62544936	57.22185244	65.78854804	
44.13420399				
PTPLAD1 PTPLAD1	8116.756446	6795.315062	5890.8627	

5825.714927					
KRTAP5-9	KRTAP5-9	3.125034566	0	0	0
SLC39A13	SLC39A13	1515.641765	1282.649831		
1701.581768	1577.062223				
FAM66A FAM66A	2.083356377	7.923025723	13.38072164		
8.826840798					
VPS45 VPS45	3139.618061	2324.967882	2476.548563		
2363.631814					
HARS2 HARS2	2715.655038	1948.183992	2898.041294		
2564.687632					
BRE-AS1 BRE-AS1	380.2125389	292.2716156	295.4909361		
360.9197126					
DUSP9 DUSP9	1.041678189	5.282017149	0	4.903800443	
DUSP4 DUSP4	15404.33705	18551.32456	7271.307149		
9862.523452					
EEF1A1 EEF1A1	104623.0322	97487.5495	146700.6567		
142256.3086					
ZNF816-ZNF321P	ZNF816-ZNF321P	196.8771777	180.4689192		
425.9529721	314.8239885				
METTL2B METTL2B	1926.062971	1442.871018	1775.175737		
1630.023267					
KIAA1211	KIAA1211	20.83356377	25.52974955		
4.460240545	3.923040355				
HELZ HELZ	5228.182829	6518.889498	6240.991583		
5843.368608					
ZKSCAN7 ZKSCAN7	38.54209298	70.42689532	312.2168382		
154.960094					
SLC35E3 SLC35E3	837.5092637	710.4313065	779.4270352		
642.3978581					
LENEP LENEP	0	2.641008574	2.230120273	2.942280266	
BTN3A3 BTN3A3	1538.558685	1423.503622	5783.816927		
2998.183591					
ZNF10 ZNF10	231.2525579	203.3576602	795.0378772		
322.6700692					
RNF5 RNF5	1.041678189	0	2.230120273	0.980760089	
RIT1 RIT1	1440.640935	1221.026298	1612.376957		
1181.815907					
RLN1 RLN1	27.08363291	56.34151625	82.51445008		
41.19192372					
DDX52 DDX52	5141.723539	4247.622124	3560.387015		
4001.501162					
FAM114A1	FAM114A1	30.20866747	22.00840479		
30.10662368	13.73064124				
KRTCAP2 KRTCAP2	4130.254018	4782.866528	4495.922469		
3871.06007					
APOA1 APOA1	2.083356377	0.880336191	2.230120273	0	
ABCD1 ABCD1	75.00082959	251.7761508	126.0017954		
139.2679326					
CEACAM3 CEACAM3	3.125034566	0	0	0	
ENTPD2 ENTPD2	48.95887487	39.61512861	18.95602232		

26.48052239					
EPS8	EPS8	40.62544936	14.08537906	151.6481785	
147.1140133					
LAMC1	LAMC1	3.125034566	11.44437049	0	37.26888337
BVES	BVES	22.91692015	110.0420239	0	21.57672195
CALY	CALY	0	15.61084191	7.846080709	
ADCY6	ADCY6	2.083356377	0	21.18614259	4.903800443
LRIF1	LRIF1	2360.442776	2280.070736	3077.565976	
2115.499511					
CENPJ	CENPJ	1837.520325	1742.185323	837.4101623	
994.4907299					
DBIL5P2	DBIL5P2	0	1.115060136	0	
VAV3-AS1	VAV3-AS1		1.041678189	0	0
0.980760089					
MRPL23-AS1	MRPL23-AS1		0	0	22.30120273
4.903800443					
MIR623	MIR623	0	1.115060136	0	
ALKBH3-AS1	ALKBH3-AS1		9.375103698	10.5640343	
27.87650341		5.884560532			
TMEM126A	TMEM126A		2358.359419	2333.771244	
1731.688392		2220.440841			
CTU1	CTU1	444.7965866	425.2023805	345.6686422	
426.6306386					
BTRC	BTRC	1897.93766	2031.81593	2463.167841	
2358.728013					
TVP23C	TVP23C	240.6276616	360.0575023	275.4198537	
227.5363406					
ZBTB49	ZBTB49	466.6718285	367.1001918	508.4674221	
443.3035601					
UBR1	UBR1	3692.749179	4700.995262	3869.258673	
3684.715653					
KHDRBS1	KHDRBS1	14027.23849	13692.74912	12434.03558	
13249.08804					
POLR2L	POLR2L	4503.17481	4917.557965	3313.958725	
3344.391902					
ZWINT	ZWINT	19092.91952	15221.89309	8714.194965	
11040.41632					
APOBEC2	APOBEC2	28.12531109	43.13647338	86.97469063	
48.05724434					
STAT5B	STAT5B	7677.168251	12912.77126	8963.968435	
12084.92581					
SF3B3	SF3B3	24274.22683	20620.11461	21174.99199	
22464.30983					
FHL3	FHL3	883.343104	731.5593751	741.5149906	
716.9356248					
SRM	SRM	18539.7884	10139.71225	14964.10703	
12489.97973					
GOLGA6L5P	GOLGA6L5P		7.291747321	14.96571525	
8.92048109		10.78836098			
C6orf163	C6orf163		13.54181645	7.923025723	

8.92048109	8.826840798			
TGDS TGDS	2556.278275	1858.3897	2194.438348	
2197.883359				
QRICH1 QRICH1	5603.186977	4789.028881	5510.627193	
5354.950084				
TMEM104 TMEM104	1439.599257	1618.938256	800.6131778	
914.0684026				
ZSCAN10 ZSCAN10	11.45846008	10.5640343	0 0.980760089	
ADO ADO	242.711018	442.8091043	341.2084017	
323.6508293				
ZBTB45 ZBTB45	262.5029036	512.3556634	231.9325083	
302.0741073				
ZNF514 ZNF514	68.75076045	75.70891246	161.6837198	
71.59548647				
ZC3H10 ZC3H10	530.214198	568.6971797	711.4083669	
694.3781428				
CCDC142 CCDC142	785.4253543	691.9442465	1272.283615	
797.3579521				
STK39 STK39	1239.597045	3239.637184	1139.591459	
2321.45913				
SCARF2 SCARF2	19.79188559	21.12806859	12.2656615	
11.76912106				
TCEAL8 TCEAL8	2082.314699	2100.482153	1820.893203	
2534.284069				
MBLAC2 MBLAC2	258.3361908	278.1862365	362.3945443	
348.1698315				
EMR4P EMR4P	3.125034566	0 8.92048109	16.67292151	
MIR3140 MIR3140	0 1.760672383	0 0	0	
PDXDC2P PDXDC2P	167.7101884	276.4255641	512.9276627	
470.7648426				
TUBA3FP TUBA3FP	16.66685102	14.08537906	36.7969845	
28.44204257				
MIR3138 MIR3138	1.041678189	0 0	0	
ZFAS1 ZFAS1	1151.054399	1545.870352	3117.708141	
1765.36816				
DOCK3 DOCK3	202.0855686	223.6053926	226.3572077	
269.7090244				
CDC42EP4	CDC42EP4	21.87524196	73.06790389	
25.64638313	29.42280266			
LIG4 LIG4	1363.556749	991.2585516	1134.016159	
845.4151964				
NCOA6 NCOA6	1453.141073	2405.078475	1881.10645	
1852.655807				
NAALADL2	NAALADL2	0 0	0 1.961520177	
PSD3 PSD3	3.125034566	73.06790389	5.575300681	
80.42232727				
HIBCH HIBCH	3291.703076	2438.53125	2426.370857	
2611.764116				
TBC1D25 TBC1D25	1528.141903	1287.051512	1640.25346	
1567.254622				

OAS2	OAS2	20476.26816	10395.00975	24804.51273
10423.51822				
NIPA2	NIPA2	10796.99443	7868.444879	10051.15207
8138.347216				
KCNIP2	KCNIP2	11.45846008	20.2477324	15.61084191
16.67292151				
SLC46A1	SLC46A1	690.6326391	1037.91637	832.9499218
890.5301605				
MAL2	MAL2	1.041678189	0	19.61520177
CSMD1	CSMD1	0	0	2.942280266
LDHAL6A	LDHAL6A	8.33342551	2.230120273	26.76144327
26.48052239			25.52974955	
ZAP70	ZAP70	8129.256585	11964.64918	6041.395818
8404.1332				
HTR6	HTR6	4.166712755	0.880336191	4.460240545
22.55748204				
PSMB10	PSMB10	14662.66218	13169.82942	12267.89162
12797.9384				
PARL	PARL	6483.405046	4319.809691	5070.17844
4893.012082				
BTF3	BTF3	18712.70698	17202.64952	18014.91156
16755.30535				
SIL1	SIL1	1301.056058	1029.113008	868.6318462
1070.009257				
ZBED5	ZBED5	1513.558408	1923.534578	2031.639568
2227.306161				
GREB1L	GREB1L	2.083356377	1.760672383	6.690360818
13.73064124				
HTATSF1	HTATSF1	8386.551097	5956.354671	5857.410896
5257.854835				
C11orf21	C11orf21		389.5876426	419.9203633
215.2066063		317.7662687		
PDE7B	PDE7B	578.1313947	1007.984939	239.7379293
313.8432284				
POMGNT2	POMGNT2	1068.761822	932.2760267	1121.750497
1171.027546				
SLC7A3	SLC7A3	0	6.16235334	0
KDM2B	KDM2B	843.7593328	2554.735628	1121.750497
1219.08479				
JAM3	JAM3	270.8363291	256.1778317	771.6216143
723.8009454				
PRAM1	PRAM1	2.083356377	6.16235334	1.115060136
4.903800443				
SLC41A2	SLC41A2	401.0461026	572.2185244	202.9409448
516.8605667				
SLC24A2	SLC24A2	0	1.760672383	0
IL31	IL31	2.083356377	7.042689532	0
ZXDA	ZXDA	144.7932682	115.3240411	25.49976231
203.0173384				363.5096044
ZP3	ZP3	55.208944	252.6564869	114.851194

237.3439415				
TMEM251	TMEM251	961.4689682	627.6797045	958.9517172
937.6066448				
C21orf49	C21orf49		41.66712755	29.05109432
131.5770961		85.32612771		
CTNNA3	CTNNA3	1.041678189	0	0
KPNA1	KPNA1	8799.05566	6086.644428	7290.263171
6920.243186				
CENPT	CENPT	2366.692845	2235.17359	1682.625746
2237.113762				
PPIP5K2	PPIP5K2	3996.91921	4843.609725	3480.102685
4404.593558				
KLF12	KLF12	437.5048393	639.124075	1108.369775
938.5874049				
MEPCE	MEPCE	467.7135067	1014.147293	670.1511419
625.7249366				
COL9A2	COL9A2	953.1355427	1195.496548	616.6282554
1094.528259				
CA5A	CA5A	0	4.401680957	0
SFRP2	SFRP2	1.041678189	0	0
PSMC1	PSMC1	15577.25563	9059.539746	9674.261742
9070.0693				
OLA1	OLA1	5613.603759	3973.837568	4553.905597
3954.424678				
RSBN1	RSBN1	1219.805159	1457.836733	2031.639568
1812.444644				
SERF1A	SERF1A	13.54181645	54.58084387	30.10662368
65.71092594				
ZNF148	ZNF148	3298.994824	3138.398522	4538.294755
3419.910429				
NAGPA	NAGPA	1290.639276	772.9351761	1039.236047
916.0299228				
BIRC6	BIRC6	4093.795282	6768.02464	5551.884418
4812.589755				
MAN1C1	MAN1C1	2027.105755	403.1939757	2670.569026
1335.795241				
GJA9	GJA9	8.33342551	22.88874098	20.07108245
14.71140133				
ILKAP	ILKAP	4175.04618	3085.578351	3457.801483
3104.105681				
ZNF23	ZNF23	631.2569824	511.4753272	987.9432807
879.7417995				
SMG1	SMG1	2371.901236	4369.988854	3351.87077
2835.377416				
MAN1B1	MAN1B1	1609.392802	1375.965467	1797.47694
1678.080512				
HDHD2	HDHD2	2344.817603	2325.848218	1829.813684
2161.595235				
PNMAL2	PNMAL2	0	23.41626286	22.55748204
SLC12A5	SLC12A5	2.083356377	7.042689532	0
				3.923040355

FOXRED2 FOXRED2	1468.766246	1344.273364	1241.061932
1489.774575			
AGK AGK	8715.721405	6768.02464	4497.03753
5137.221344			
LOC554223	LOC554223	0 0	0 2.942280266
PLEKHA5 PLEKHA5	239.5859834	355.6558213	256.4638313
302.0741073			
GSS GSS	6059.442024	4330.373726	4542.754995
5235.297353			
ARHGAP19	ARHGAP19	5161.515425	5181.658823
2337.166046	3940.694036		
ACTR3C ACTR3C	452.0883339	385.5872518	292.1457557
310.9009481			
RP9P RP9P	50.00055306	65.14487817	63.55842777
64.73016585			
IL10RA IL10RA	21282.52707	10570.19665	16956.71949
12008.42653			
LOC146880	LOC146880	123.9597045	168.1442126
111.5060136	76.49928692		
THUMPD3-AS1	THUMPD3-AS1	484.3803577	550.2101196
723.6740284	538.4372887		
GFOD2 GFOD2	1245.847114	1039.677042	1228.79627
1298.526357			
SOX30 SOX30	27.08363291	34.33311147	40.14216491
42.17268381			
CLCC1 CLCC1	2953.157665	2427.967216	2272.492558
1694.753433			
ADRBK2 ADRBK2	1686.476988	2670.940005	580.946331
1085.701418			
IRF2BP1 IRF2BP1	103.1261407	294.0322879	306.6415375
203.9980984			
UTRN UTRN	2082.314699	2651.572609	2410.760015
2119.422552			
EPHX1 EPHX1	30.20866747	51.93983529	65.78854804
59.82636541			
KBTBD8 KBTBD8	2200.024335	1316.102606	1921.248615
1179.854387			
RBM23 RBM23	9499.063403	6459.906973	9505.887662
7452.795914			
UBE2G1 UBE2G1	10298.03057	13851.20964	7601.364949
9452.565735			
MAP1LC3B	MAP1LC3B	12728.26579	9719.79189
14366.4348	10828.57214		
PER2 PER2	310.4201002	396.1512861	632.2390973
383.4771947			
CDK5RAP3	CDK5RAP3	4627.134514	4075.956566
3762.2129	4813.570515		
IMPDH2 IMPDH2	8733.429934	7078.783315	10036.65629
11004.12819			
PSME2 PSME2	37138.95246	25913.57613	31075.61094

28654.86751					
RORB	RORB	6.250069132	17.60672383	0	7.846080709
CCNI	CCNI	5677.146128	8742.618717	6683.670457	
6178.788559					
IFT88	IFT88	726.0496975	493.8686034	496.2017606	
538.4372887					
SLC25A51	SLC25A51		696.8827082	509.7146548	
783.8872758		586.494533			
PVRL4	PVRL4	15.62517283	18.48706002	0	25.49976231
CEP83	CEP83	673.9657881	743.8840818	613.2830749	
729.685506					
ACSL4	ACSL4	5074.014457	4550.457774	4641.995347	
4549.746051					
NPAP1	NPAP1	0	0	0	0.980760089
SLC16A6	SLC16A6	89.58432423	316.9210289	163.91384	
125.5372913					
ZNF33B	ZNF33B	503.1305651	635.6027302	731.4794494	
572.7638918					
ZNF274	ZNF274	1553.142179	1529.143965	3735.451456	
2575.475993					
SLMAP	SLMAP	2909.407181	2873.417329	3103.212359	
2499.957466					
ARIH1	ARIH1	1510.433374	2775.700012	2535.64675	
1659.44607					
KCNQ4	KCNQ4	11.45846008	30.8117667	27.87650341	
32.36508293					
LATS1	LATS1	1611.476158	1878.637433	2824.447325	
1837.944406					
PBK	PBK	4509.424879	3899.008992	2032.754628	
2850.088818					
TOMM70A	TOMM70A	4726.093942	3867.316889	4499.26765	
4164.307336					
GLIPR1	GLIPR1	5095.889699	5104.189238	3405.393656	
3926.963395					
KATNA1	KATNA1	2745.863705	2173.550057	1888.911871	
2319.49761					
TSFM	TSFM	4087.545212	2655.093953	3031.848511	
3067.817557					
SOS2	SOS2	1176.054675	1556.434386	2719.631672	
2839.300457					
TMEM222	TMEM222	3119.826175	2314.403847	3290.542462	
2699.051764					
IQUB	IQUB	2.083356377	0.880336191	13.38072164	
7.846080709					
SPSB3	SPSB3	1646.893216	1685.843807	2029.409448	
2086.076709					
EID3	EID3	407.2961718	364.4591833	350.1288828	
341.3045109					
LIPJ	LIPJ	4.166712755	0	0	1.961520177
ASPG	ASPG	0	5.282017149	0	0

AWAT1	AWAT1	0	0	0	0.980760089
MPST	MPST	1628.143009		1743.065659	669.0360818
1009.202131					
MIR548AZ	MIR548AZ			3.125034566	4.401680957
2.230120273		1.961520177			
MIR6499	MIR6499	0	0	0	2.942280266
FAM53A	FAM53A	16.66685102		32.57243908	44.60240545
48.05724434					
CCDC50	CCDC50	1665.643424		3440.353836	841.8704029
1390.717806					
KRTCAP3	KRTCAP3	58.33397857		59.86286102	105.9307129
116.7104506					
AKR1A1	AKR1A1	7224.038239		5706.339193	5250.818182
5678.600913					
LURAP1L	LURAP1L	1.041678189	0	0	0
FITM1	FITM1	2.083356377		6.16235334	5.575300681
10.78836098					
PMP22	PMP22	63.54236951		18.48706002	28.99156354
4.903800443					
NAGS	NAGS	55.208944		32.57243908	152.7632387
60.8071255					
SP7	SP7	0	1.760672383	0	0
PPIH	PPIH	2784.405798		2613.718152	2361.697369
2097.84583					
SLC30A9	SLC30A9	5763.605418		5140.283022	4461.355605
5680.562434					
HMG20B	HMG20B	2425.026823		3003.707085	2419.680496
2839.300457					
TIMM17A	TIMM17A	10326.15588		6974.023309	7556.762543
6600.515397					
TGFB2	TGFB2	1.041678189	0	3.345180409	0
RALB	RALB	12776.18298		5572.528092	8099.79683
4810.628235					
PTPRN	PTPRN	0	4.401680957	37.91204463	18.63444168
ACTR3	ACTR3	95738.55897		75376.14538	48498.42557
64030.88391					
TESK2	TESK2	350.0038714		291.3912794	898.7384698
616.8980958					
APTX	APTX	4143.795835		3068.851963	2980.555744
3372.833945					
CYP2R1	CYP2R1	345.8371586		470.0995262	351.2439429
450.1688807					
HNRNPK	HNRNPK	61232.96897		73206.99701	66835.58951
72193.75013					
GPR132	GPR132	3445.871448		3067.091291	2846.748528
2973.664589					
MTRNR2L9	MTRNR2L9			1.041678189	4.401680957
3.345180409		0.980760089			
LYPLA1	LYPLA1	10927.2042		9777.013742	7212.208961
8186.40446					

ADAMTS19	ADAMTS19	0	0	2.230120273	0
TMEM145	TMEM145	3.125034566	2.641008574	1.115060136	
0.980760089					
CSNK2B	CSNK2B	1109.387271	1031.754016	912.1191915	
1006.259851					
C7orf76	C7orf76	0	3.521344766	4.460240545	1.961520177
ZMYM6NB	ZMYM6NB	2422.943467	3060.048601	3312.843665	
3462.083113					
CHAMP1	CHAMP1	464.5884722	1315.22227	641.1595784	
644.3593783					
ZBED6	ZBED6	50.00055306	156.6998421	109.2758934	
91.21068825					
NARS2	NARS2	2148.982103	1799.407175	2275.837738	
2114.518751					
BEST2	BEST2	0	1.760672383	0	0
MFAP3L	MFAP3L	19.79188559	5.282017149	78.05420954	
92.19144833					
ZNF500	ZNF500	341.6704459	505.3129739	822.9143806	
549.2256497					
LANCL2	LANCL2	1988.563662	1335.470002	1316.886021	
1392.679326					
TEFM	TEFM	1418.765693	1272.085797	1249.982413	
1251.449873					
CUZD1	CUZD1	68.75076045	66.02521436	83.62951022	
124.5565313					
ATG101	ATG101	2622.945679	1925.295251	2312.634723	
2174.345117					
VPS28	VPS28	2983.366332	2760.734296	3444.420761	
2956.991667					
RINT1	RINT1	3879.209575	2703.512444	3305.038244	
2704.936325					
FDPSP2	FDPSP2	20.83356377	52.82017149	61.32830749	
22.55748204					
ZNF37BP	ZNF37BP	292.711571	504.4326377	512.9276627	
637.4940576					
EME2	EME2	19.79188559	50.17916291	41.25722504	
26.48052239					
SNORA78	SNORA78	18.7502074	32.57243908	49.062646	
14.71140133					
SNORA77	SNORA77	4.166712755	10.5640343	4.460240545	
3.923040355					
ZDHHC2	ZDHHC2	516.6723816	1178.77016	724.7890886	
850.3189969					
TCP10L	TCP10L	42.70880574	57.22185244	49.062646	
45.11496408					
C18orf8	C18orf8	5770.897165	4604.158281	5386.855518	
4745.898069					
C2CD2L	C2CD2L	1665.643424	1537.06699	1440.657696	
1271.065075					
COLCA2	COLCA2	0	2.641008574	2.230120273	3.923040355

MIR3134	MIR3134	13.54181645	15.84605145	14.49578177	
		15.69216142			
CCDC112	CCDC112	50.00055306	63.38420578	156.1084191	
		128.4795716			
TRPM5	TRPM5	2.083356377	0	0	0
MORC2	MORC2	2106.273298	2217.566866	1689.316106	
		1797.733243			
NUDT22	NUDT22	2093.773159	2136.575937	1362.603487	
		2342.055092			
PPIL1	PPIL1	5017.763835	4570.705506	4014.216491	
		4860.646999			
ELK3	ELK3	2196.8993	3088.21936	1678.165505	
		2027.231103			
HEMK1	HEMK1	1201.054952	882.9772	1498.640823	
		1312.256999			
TTF1	TTF1	1243.763757	1604.852877	1049.271588	
		1233.796192			
RASSF3	RASSF3	92.70935879	260.5795127	168.3740806	
		71.59548647			
SYT17	SYT17	6.250069132	0	1.115060136	17.6536816
C9orf78	C9orf78	9563.64745	7145.688866	9347.549122	
		7925.522277			
IL23A	IL23A	1195.846561	1023.830991	506.2373019	
		742.4353871			
CERCAM	CERCAM	42.70880574	29.93143051	55.75300681	
		56.88408514			
FAM133B	FAM133B	995.8443484	932.2760267	945.5709956	
		926.8182838			
SHROOM3	SHROOM3	0	0.880336191	0	1.961520177
SLC2A8	SLC2A8	898.9682768	803.7469428	307.7565976	
		326.5931095			
SLC39A2	SLC39A2	4.166712755	0	4.460240545	0
BRD1	BRD1	404.1711372	775.5761847	511.8126025	
		461.9380018			
LEPREL4	LEPREL4	47.91719668	98.59765344	180.6397421	
		226.5555805			
RNU11	RNU11	12.50013826	15.84605145	4.460240545	
		7.846080709			
SNORD1C	SNORD1C	7.291747321	5.282017149	4.460240545	
		13.73064124			
SNORD1B	SNORD1B	6.250069132	0.880336191	4.460240545	
		4.903800443			
NUTM2G	NUTM2G	11.45846008	17.60672383	39.02710477	
		25.49976231			
MTRNR2L5	MTRNR2L5		0	0	1.115060136
AGBL5-AS1	AGBL5-AS1		3.125034566	4.401680957	0
		6.690360818			
PRNCR1	PRNCR1	4.166712755	4.401680957	5.575300681	
		2.942280266			
PVRL1	PVRL1	5.208390943	18.48706002	24.531323	

14.71140133					
PPP1R37	PPP1R37	34.37538023	116.2043773	65.78854804	
73.55700665					
USP3	USP3	3539.622485	3796.889994	4209.352014	
3948.540117					
SNAR-G2	SNAR-G2	1.041678189	0.880336191	0	0.980760089
STOML1	STOML1	542.7143363	365.3395194	792.8077569	
376.611874					
RHBG	RHBG	0	0	0	0.980760089
ST14	ST14	18.7502074	3.521344766	0	8.826840798
LOC441242	LOC441242		204.168925	244.7334612	
218.5517867	218.7094998				
TGFB1I1	TGFB1I1	5.208390943	69.54655912	5.575300681	
124.5565313					
ZNF286B	ZNF286B	75.00082959	69.54655912	104.8156528	
63.74940576					
PTCHD2	PTCHD2	5.208390943	6.16235334	35.68192436	
7.846080709					
TM2D1	TM2D1	1634.393078	1445.512026	1382.674569	
1269.103555					
ESF1	ESF1	1396.890451	1062.565783	1437.312516	
1307.353198					
FAM206A	FAM206A	2044.814284	1268.564452	1651.404062	
1818.329204					
ZAK	ZAK	2508.361078	3062.68961	790.5776366	
1244.584553					
MIR7113	MIR7113	101.0427843	73.06790389	85.85963049	
78.46080709					
MARVELD2	MARVELD2		10.41678189	4.401680957	
76.9391494	48.05724434				
REV1	REV1	1956.271638	2038.858619	2173.252206	
2377.362455					
SEC31B	SEC31B	1104.17888	1856.629028	447.1391146	
1325.98764					
ZBTB2	ZBTB2	2725.030142	2440.291923	2664.993726	
2412.669818					
TMOD3	TMOD3	8549.052895	7967.042533	5477.175389	
6942.800668					
LRRC17	LRRC17	7.291747321	5.282017149	0	12.74988115
NT5DC3	NT5DC3	301.0449965	417.2793547	534.1138053	
347.1890714					
VPS33B	VPS33B	1432.307509	1391.811519	1397.170351	
1653.561509					
ECEL1	ECEL1	8.33342551	15.84605145	152.7632387	
82.38384745					
SEC14L6	SEC14L6	2.083356377	0	0	2.942280266
KIR2DS2	KIR2DS2	0	1.760672383	0	0
ADRA2A	ADRA2A	1.041678189	0	0	1.961520177
FLCN	FLCN	605.2150276	742.1234094	773.8517346	
539.4180488					

CCRN4L	CCRN4L	71.87579502	132.0504287	40.14216491	
56.88408514					
ZNF197	ZNF197	542.7143363	567.8168435	821.7993204	
531.5719681					
DGKE	DGKE	1365.640105	1572.280438	1530.977567	
1478.005454					
LOC102724084	LOC102724084		1.041678189	1.760672383	0
5.884560532					
SH3PXD2B	SH3PXD2B		0	10.5640343	3.345180409
7.846080709					
DPH1	DPH1	6252.152489	4451.86012	4887.308577	
4715.494506					
ZHX1-C8orf76	ZHX1-C8orf76		2329.19243	1814.372891	
1626.872739	1538.812579				
POSTN	POSTN	0	0	2.230120273	0
CPXCR1	CPXCR1	3.125034566	0	0	0
ETV4	ETV4	104.1678189	115.3240411	100.3554123	
85.32612771					
SRD5A3-AS1	SRD5A3-AS1		8.33342551	2.641008574	
13.38072164	5.884560532				
C10TNF3-AMACR	C10TNF3-AMACR		663.5490062	517.6376806	
860.8264252	768.9159095				
MIR941-2	MIR941-2		0	1.760672383	0
PPP1R3C	PPP1R3C	0	0.880336191	0	0.980760089
ASPA	ASPA	0	0.880336191	37.91204463	0
TMED5	TMED5	6004.23308	4897.310233	5435.918164	
3888.713752					
MIR9-1	MIR9-1	1.041678189	0	0	0.980760089
ROCK1P1	ROCK1P1	4.166712755	14.96571525	7.805420954	
12.74988115					
LOC100506747	LOC100506747		27.08363291	26.41008574	
14.49578177	24.51900222				
MIR146A	MIR146A	7.291747321	14.96571525	7.805420954	
22.55748204					
MIR152	MIR152	1.041678189	0	0	2.942280266
MIR142	MIR142	37.50041479	112.6830325	26.76144327	
60.8071255					
MIR130A	MIR130A	0	0	3.345180409	0
DUSP6	DUSP6	12933.47639	3231.714159	2852.323829	
2733.378367					
GAP43	GAP43	2.083356377	0.880336191	12.2656615	
1.961520177					
GABRR2	GABRR2	1.041678189	0.880336191	6.690360818	0
CDKL2	CDKL2	156.2517283	80.11059342	92.54999131	
43.1534439					
RAG1	RAG1	5.208390943	3.521344766	36.7969845	
34.3266031					
IL6R	IL6R	550.0060836	434.0057424	1264.478195	
1740.849157					
GSTM1	GSTM1	2.083356377	2940.322879	0	3291.430858

VPS53	VPS53	681.2575354	1153.240411	767.1613738	
898.3762412					
PLAU	PLAU	290.6282146	77.46958485	220.781907	
74.53776674					
PLAG1	PLAG1	94.79271517	98.59765344	257.5788915	
203.9980984					
RASSF1	RASSF1	4858.387072	3582.968299	3855.877951	
3715.119216					
PPP1R14C	PPP1R14C		9.375103698	2.641008574	
34.56686422	27.46128248				
SMKR1	SMKR1	180.2103266	46.65781815	117.0813143	
105.9220896					
C1QTNF9	C1QTNF9	0	0.880336191	2.230120273	0
SP6	SP6	0	3.521344766	33.45180409	8.826840798
C11orf70	C11orf70	0	0	0	1.961520177
DHH	DHH	1.041678189	2.641008574	0	0
CPNE5	CPNE5	94.79271517	132.9307649	28.99156354	
109.8451299					
CETN3	CETN3	1416.682337	1417.341268	1305.73542	
1444.659611					
LOC101928943	LOC101928943	0	3.521344766	0	
1.961520177					
LOC101928812	LOC101928812	7.291747321	28.17075813		
11.15060136	24.51900222				
RFWD2	RFWD2	4635.46794	3832.103441	3843.61229	
4119.192372					
ERCC6-PGBD3	ERCC6-PGBD3	717.716272	526.4410425		
845.2155833	663.97458				
MIR4489	MIR4489	3.125034566	1.760672383	0	5.884560532
MIR4479	MIR4479	0	1.115060136	0	
MIR4485	MIR4485	0	0	0.980760089	
MIR4484	MIR4484	0	5.575300681	5.884560532	
MIR4473	MIR4473	1.041678189	0	0	6.865320621
MIR4470	MIR4470	0	2.641008574	0	0
NELL1	NELL1	0	0	2.942280266	
TAX1BP3	TAX1BP3	1694.810413	2320.566201	1093.873994	
1239.680752					
CXXC1	CXXC1	5749.021923	4999.429231	5161.613371	
4743.936549					
MAPK9	MAPK9	3483.371863	3535.430145	2935.953339	
3230.623732					
PLA2G4C	PLA2G4C	147.9183028	74.82857627	85.85963049	
100.037529					
SDHC	SDHC	8269.88314	5822.54357	5276.464565	
5633.485949					
MYE0V2	MYE0V2	3125.034566	2605.795127	2756.428657	
1992.9045					
MCTP2	MCTP2	1076.053569	2931.519517	669.0360818	
1514.293577					
LOC100131347	LOC100131347	3.125034566	0	16.72590204	

		15.69216142			
PTPRG-AS1	PTPRG-AS1		75.00082959	56.34151625	
65.78854804	38.24964346				
PRKG1-AS1	PRKG1-AS1	0	0	1.115060136	0
ARHGEF34P	ARHGEF34P		27.08363291	63.38420578	
32.33674395	56.88408514				
BMF	BMF		85.41761147	253.5368231	279.8800942
118.6719707					
UNC13A	UNC13A	0	0	0.980760089	
PUS7L	PUS7L	1620.851262	1195.496548	1362.603487	
1270.084315					
CCDC88C	CCDC88C	1255.222217	2795.067408	1805.282361	
1575.100702					
SLC4A8	SLC4A8	285.4198237	232.4087545	83.62951022	
154.960094					
TAF11	TAF11	1598.97602	1816.133563	1289.009518	
1671.215191					
FAM157A	FAM157A	0	7.923025723	1.115060136	11.76912106
KIF3B	KIF3B	1075.011891	1316.982942	1185.308925	
1674.157471					
MIR1281	MIR1281	1.041678189	5.282017149	4.460240545	
5.884560532					
SPOCK2	SPOCK2	16042.88578	20621.87528	12377.16751	
16817.09324					
FOXJ2	FOXJ2	1393.765416	2657.734962	2912.537076	
2468.573143					
ST6GALNAC1	ST6GALNAC1		128.1264172	72.1875677	
137.1523968	184.3828967				
MRPL19	MRPL19	4697.968631	4266.109184	3268.241259	
3940.694036					
DHCR24	DHCR24	10626.1592	13508.75886	7321.484855	
11516.08496					
TATDN2	TATDN2	2157.315529	2721.119168	1843.194405	
1967.404738					
FAM184A	FAM184A	286.4615019	425.2023805	321.1373192	
527.6489277					
KDM5A	KDM5A	6129.234462	6865.741957	6312.355431	
5905.156494					
HCCS	HCCS	3497.955358	2364.58301	2636.002162	
2456.804022					
TAS2R30	TAS2R30	0	0	5.884560532	
CC2D2B	CC2D2B	6.250069132	11.44437049	2.230120273	
12.74988115					
CRMP1	CRMP1	7.291747321	19.36739621	3.345180409	
9.807600887					
IDI2	IDI2	40.62544936	40.49546481	82.51445008	
36.28812328					
GATM	GATM	38.54209298	62.50386959	26.76144327	
67.67244612					
DIMT1	DIMT1	4788.594633	3318.867442	4542.754995	

4038.770045					
PTGR2	PTGR2	101.0427843	303.715986	259.8090118	
509.014486					
PRKAR1B	PRKAR1B	963.5523245	907.6266134	911.0041313	
989.5869295					
HSPA6	HSPA6	26.04195472	58.98252483	50.17770613	
15.69216142					
HSPA4	HSPA4	16844.97799	13098.52219	14961.87691	
14375.00062					
COX18	COX18	621.8818787	704.2689532	557.5300681	
605.1289747					
CCDC107	CCDC107	1891.687591	1553.793378	1195.344466	
1580.004503					
ARSK	ARSK	336.4620549	349.493468	607.7077743	
416.8230377					
ZMYND15	ZMYND15	7.291747321	0	1.961520177	
CCDC43	CCDC43	3192.743648	2583.786722	2003.763065	
2354.804973					
APOBEC4	APOBEC4	0	1.115060136	0	
PPAPDC2	PPAPDC2	491.6721051	500.0309567	675.7264426	
656.1284993					
CATIP	CATIP	1.041678189	2.641008574	6.690360818	
2.942280266					
ZNF700	ZNF700	738.5498358	720.9953408	1097.219174	
960.1641268					
FRMD6-AS1	FRMD6-AS1		17.70852921	17.60672383	
70.24878858	39.23040355				
MGAT4B	MGAT4B	2566.695057	2467.582345	2641.577463	
1729.080036					
CHSY3	CHSY3	0	1.115060136	0	
PRRT2	PRRT2	2.083356377	8.803361914	11.15060136	
20.59596186					
WFIKKN1	WFIKKN1	1.041678189	2.641008574	12.2656615	
1.961520177					
FAM167A	FAM167A	148.959981	263.2205212	53.52288654	
124.5565313					
DHX29	DHX29	1986.480306	1637.425316	1903.407653	
1641.792388					
DPPA4	DPPA4	0	7.042689532	6.690360818	0
GGNBP2	GGNBP2	4899.012521	4118.212704	5021.115794	
4383.016836					
ATP8B4	ATP8B4	734.383123	1022.950654	452.7144153	
658.0900195					
ZNF672	ZNF672	3828.167343	3438.593164	3464.491843	
3554.274561					
ADD1	ADD1	9248.018959	14820.45978	7397.308944	
9528.084261					
GEMIN8	GEMIN8	815.6340218	492.107931	691.3372845	
860.1265978					
ALKBH5	ALKBH5	7941.754511	8615.850306	9540.454526	

8621.861939				
PPFIA4	PPFIA4	0	28.17075813	0
91.21068825				
CD226	CD226	4176.087858	3076.774989	3511.324369
3646.46601				
CNN2	CNN2	30679.50601	30259.79591	9520.383443
16265.90607				
CCR6	CCR6	809.3839526	257.9385041	1494.180583
1809.502364				
GP5	GP5	51.04223125	73.06790389	97.01023186
63.74940576				
AKT1	AKT1	10102.19507	7089.34735	5856.295836
7745.06242				
TUBB4B	TUBB4B	33869.12463	28241.18502	19688.61683
25408.55162				
CYB5A	CYB5A	1427.099119	1355.717735	2066.206433
1845.790487				
ATOX1	ATOX1	2152.107138	2924.476828	2107.463658
2109.614951				
FEZ2	FEZ2	127.084739	253.5368231	115.9662542
101.0182891				
AURKB	AURKB	8451.135145	8801.601242	4279.600803
6809.417296				
THOC7	THOC7	3459.413265	4025.777403	2602.550358
3160.989766				
PAQR4	PAQR4	4436.507406	5084.821842	1980.346802
3178.643447				
SLC43A2	SLC43A2	122.9180263	117.9650497	282.1102145
92.19144833				
DDX24	DDX24	13476.19073	10151.15662	15906.33284
13244.18424				
PPAPDC3	PPAPDC3	2.083356377	0	0
10.78836098				
CDH24	CDH24	40.62544936	95.95664487	53.52288654
50.99952461				
GNG10	GNG10	2710.446647	2267.746029	1720.53779
1875.21329				
CNTN6	CNTN6	0	0	3.345180409
0				
SPATA6L	SPATA6L	17.70852921	14.96571525	18.95602232
36.28812328				
CCDC183	CCDC183	50.00055306	65.14487817	105.9307129
72.57624656				
GJB6	GJB6	167.7101884	365.3395194	297.7210564
172.6137756				
LEMD2	LEMD2	2548.986528	3035.399188	2549.027472
2733.378367				
C15orf61	C15orf61		290.6282146	301.9553137
586.5216317	442.3228			
USP48	USP48	5942.774067	5849.833992	3782.283982
5442.237732				
RHOC	RHOC	2666.696163	2725.520849	1481.914921
2094.903549				

CDIP1	CDIP1	1760.436139	3595.293006	1717.19261
1757.522079				
LY6E	LY6E	13816.81949	11102.80005	13967.24327
6932.993067				
SH3KBP1	SH3KBP1	8774.055383	7960.880179	6614.536728
7108.549123				
C3orf20	C3orf20	5.208390943	5.282017149	1.115060136
2.942280266				
ABTB2	ABTB2	485.4220359	161.9818592	448.2541748
162.8061747				
MBTPS2	MBTPS2	1643.768182	1162.924109	1374.869148
1277.930396				
ASB3	ASB3	2234.399715	1695.527505	1454.038418
1625.119467				
ZNF618	ZNF618	6.250069132	22.88874098	23.41626286
11.76912106				
LCNL1	LCNL1	0	4.460240545	0.980760089
0				
COPB1	COPB1	19251.25461	16499.2609	15504.91119
17573.25927				
SLM01	SLM01	8.33342551	23.76907717	2.230120273
6.865320621				
CD164	CD164	32352.44118	26279.79599	38360.29881
27945.77797				
TLL2	TLL2	8.33342551	7.923025723	31.22168382
1.961520177				
RBMS1	RBMS1	3641.706948	2454.377302	5886.402459
4212.364581				
CCR3	CCR3	518.755738	353.0148128	68.01866831
55.90332505				
PILRB	PILRB	671.8824317	845.1227438	743.7451109
1097.470539				
GTF3C4	GTF3C4	1313.556196	1652.391031	1369.293847
1143.566263				
STYXL1	STYXL1	2416.693398	1943.782311	1638.02334
1503.505216				
C20orf197	C20orf197		31.25034566	62.50386959
3.345180409	35.30736319			
ZNF143	ZNF143	2635.445817	2239.575271	2814.411784
2394.035376				
NEK9	NEK9	903.1349896	2389.232424	1328.036622
1294.603317				
ZAN	ZAN	0	3.521344766	0.980760089
0				
TLR1	TLR1	496.880496	290.5109432	521.8481438
202.0365783				
PDCL	PDCL	2040.647572	2123.370894	1756.219715
1878.15557				
NUP98	NUP98	11893.88156	15419.96873	11526.37663
11908.389				
NFIL3	NFIL3	3055.242127	2131.293919	2874.625031
4554.649852				

TARBP1	TARBP1	1313.556196	1766.834736	3218.063553	
2107.653431					
SNX11	SNX11	3423.996206	1959.628362	3206.912952	
2554.880031					
CSRP3	CSRP3	0	0.880336191	0	
TMX3	TMX3	4127.128984	4513.483654	2538.99193	
3453.256272					
ERLEC1	ERLEC1	4959.429856	3521.344766	3388.667754	
3469.929194					
ERMAP	ERMAP	358.3372969	408.4759928	233.0475685	
341.3045109					
CXorf57	CXorf57	432.2964483	561.6544901	471.6704376	
679.6667414					
CSF2	CSF2	7904.254096	5957.235007	4294.096585	
4795.916834					
FKBP1A	FKBP1A	3469.830047	8541.902066	2417.450375	
3082.528959					
EOMES	EOMES	298.9616402	153.1784973	790.5776366	
268.7282643					
MIPOL1	MIPOL1	0	0.880336191	0	
ARHGEF10L	ARHGEF10L	0	0	1.115060136	0
BRMS1L	BRMS1L	517.7140598	283.4682536	1100.564354	
493.3223246					
SLC10A7	SLC10A7	1237.513688	1019.42931	1195.344466	
1040.586454					
TCHP	TCHP	1513.558408	1000.94225	952.2613564	
845.4151964					
ZDHHC18	ZDHHC18	2796.905937	3294.218028	1949.125118	
2141.980034					
RHBDD1	RHBDD1	2036.480859	1808.210537	1954.700419	
2157.672195					
GJA9-MYCBP	GJA9-MYCBP		7117.787063	5846.312647	
5535.158516	5761.965521				
SLC25A53	SLC25A53		233.3359143	156.6998421	
250.8885307	166.7292151				
TUBGCP6	TUBGCP6	1527.100225	3273.08996	2505.540126	
3064.875277					
VPS11	VPS11	2998.991505	2649.811936	3535.855692	
3122.740122					
POLDIP2	POLDIP2	13305.3555	9366.777077	10295.35024	
10621.63176					
EIF5B	EIF5B	3884.417966	4133.178419	4374.380915	
4252.575744					
CEBPD	CEBPD	76.04250777	264.9811936	47.94758586	
140.2486927					
MAP3K8	MAP3K8	1673.976849	1765.9544	1339.187224	
1155.335384					
ICAM5	ICAM5	2.083356377	7.042689532	0	0.980760089
SPINT2	SPINT2	981.2608538	418.1596909	6807.442132	
2435.2273					

CLDN1	CLDN1	17.70852921	13.20504287	11.15060136
65.71092594				
CKMT1B	CKMT1B	1.041678189	0.880336191	0 1.961520177
ERMN	ERMN	29.16698928	30.8117667	32.33674395
39.23040355				
TMEM167B	TMEM167B		1360.431714	1791.48415
3067.530435		2207.69096		
LINC01424	LINC01424		7.291747321	17.60672383
3.345180409		9.807600887		
LOC101928791	LOC101928791		3.125034566	0.880336191
1.115060136		7.846080709		
LOC101927769	LOC101927769		0 0	0 0.980760089
IFITM4P	IFITM4P	1.041678189	0 0	0
PPIL6	PPIL6	167.7101884	112.6830325	146.0728779
120.6334909				
ARMCX2	ARMCX2	20.83356377	53.70050768	139.382517
131.4218519				
SIGMAR1	SIGMAR1	9153.226244	7098.150712	9725.554508
9465.315616				
RNASE4	RNASE4	140.6265555	76.58924866	120.4264947
80.42232727				
S100G	S100G	0 0	1.115060136	0.980760089
MAP2K4	MAP2K4	4296.922528	3389.294337	4439.054402
3838.694987				
TLR4	TLR4	8.33342551	0 0	0
SMARCA1	SMARCA1	0 0	39.02710477	39.23040355
NCDN	NCDN	2027.105755	2907.75044	1803.05224
2193.960318				
C10TNF3	C10TNF3	27.08363291	36.97412004	23.41626286
48.05724434				
AMN	AMN	0 0	36.7969845	33.34584301
LOC101927153	LOC101927153		0 3.521344766	0
1.961520177				
CDA	CDA	4.166712755	13.20504287	0 0
CD97	CD97	7717.7937	7713.505709	9601.782833
15524.45144				
SLC19A1	SLC19A1	4470.882786	4568.064497	2244.616054
3349.295703				
ZNF804A	ZNF804A	0 0	0 1.961520177	
DND1	DND1	812.5089872	676.098195	783.8872758
831.6845552				
ITGAV	ITGAV	446.879943	640.0044112	538.5740458
443.3035601				
MMGT1	MMGT1	590.631533	1170.847135	830.7198015
813.0501135				
10-Sep	10-Sep	14.58349464	58.10218863	70.24878858
197.1327778				
COL23A1	COL23A1	4.166712755	10.5640343	0 0.980760089
SYT15	SYT15	2.083356377	3.521344766	0 6.865320621
SHPRH	SHPRH	1242.722079	1284.410503	1355.913126

1210.257949					
NCBP2	NCBP2	8365.717533	6315.531837	8881.453985	
9041.627257					
SNAPC3	SNAPC3	3202.118752	2389.232424	2104.118477	
1916.405213					
SMAD2	SMAD2	7932.379407	6562.906307	8698.584123	
7101.683802					
DIP2A	DIP2A	2273.983486	2983.459353	2042.79017	
2113.537991					
QARS	QARS	6684.448937	5286.41883	4204.891774	
5627.601389					
TEL02	TEL02	3328.161813	2693.828746	2831.137686	
2853.031098					
SNRK-AS1	SNRK-AS1		1755.227748	2003.645172	
2201.128709		1720.253196			
MIR147B	MIR147B	5.208390943	6.16235334	10.03554123	
16.67292151					
LINC00623	LINC00623		58.33397857	44.01680957	
277.6499739		155.9408541			
GATA3-AS1	GATA3-AS1		20.83356377	14.08537906	
20.07108245		0.980760089			
ARL6IP6	ARL6IP6	5050.055859	3782.804615	3655.167127	
2874.60782					
FAM96B	FAM96B	4166.712755	5678.168435	3548.121354	
4207.46078					
LOC731157	LOC731157		12.50013826	23.76907717	
41.25722504		10.78836098			
GOLGA6L4	GOLGA6L4		2.083356377	3.521344766	0
2.942280266					
CCDC74A	CCDC74A	89.58432423	78.34992104	66.90360818	
68.65320621					
NFIC	NFIC	151.0433374	226.2464012	441.563814	
463.8995219					
HIST1H4B	HIST1H4B		14.58349464	44.89714576	
23.41626286		14.71140133			
HIST1H4H	HIST1H4H		39.58377117	41.375801	
32.33674395		23.53824213			
HIST1H4C	HIST1H4C		34012.87622	53312.27942	
25120.07475		28720.57844			
HIST1H4K	HIST1H4K		16.66685102	34.33311147	
11.15060136		15.69216142			
PTPRM	PTPRM	288.5448583	649.6881093	427.0680322	
860.1265978					
FHOD1	FHOD1	417.7129537	1236.872349	548.609587	
549.2256497					
DNAJC15	DNAJC15	5029.222295	5333.076648	3823.541207	
4127.038453					
PRELID1	PRELID1	26232.58183	16940.30933	16825.1424	
17141.72483					
NOS2	NOS2	0	5.282017149	0	21.57672195

FHIT	FHIT	112.5012444	125.0077392	183.9849225	
306.9779078					
C8orf88	C8orf88	61.45901313	127.6487478	157.2234792	
126.5180514					
PYCR1	PYCR1	3262.536087	2444.693604	3889.329755	
3438.544871					
STOML2	STOML2	12904.3094	9424.879266	8618.299793	
9997.868344					
OR5F1	OR5F1	0	1.115060136	0	
ITGAL	ITGAL	27572.17998	29870.68731	14182.44987	
18975.7462					
HPD	HPD	18.7502074	9.683698106	40.14216491	
21.57672195					
PTBP1	PTBP1	21935.6593	24162.58745	19954.00114	
21018.66946					
TRAT1	TRAT1	10095.945	8783.994518	9548.259947	
5558.948183					
ZNF2	ZNF2	323.9619167	287.8699346	476.1306782	
457.0342013					
ETFB	ETFB	3996.91921	3336.474166	2727.437093	
3597.428005					
BAMBI	BAMBI	31.25034566	7.042689532	93.66505145	
7.846080709					
MAPK10	MAPK10	1.041678189	1.760672383	0	4.903800443
PMPCA	PMPCA	8044.880651	5305.786226	6012.404255	
7578.333205					
COL6A4P2	COL6A4P2		0	1.760672383	0
LINC00173	LINC00173		3.125034566	7.042689532	0
8.826840798					
GPR158-AS1	GPR158-AS1		3.125034566	0	0
CLUL1	CLUL1	77.08418596	100.3583258	24.531323	0
48.05724434					
LRFN3	LRFN3	9.375103698	88.91395534	45.71746559	
30.40356275					
MFAP1	MFAP1	5182.348989	4581.26954	4426.788741	
4762.570991					
CRADD	CRADD	537.5059454	340.6901061	456.0595957	
386.4194749					
PGA5	PGA5	0	7.805420954	0	
SLC35F6	SLC35F6	835.4259073	1190.214531	550.8397073	
804.2232727					
WASL	WASL	250.0027653	368.8608642	514.0427228	
414.8615175					
GDF10	GDF10	19.79188559	33.45277527	88.08975076	
135.3448922					
RING1	RING1	7.291747321	0	25.64638313	0
AP3D1	AP3D1	6050.06692	8139.588426	4810.369428	
6265.095446					
DLST	DLST	422.9213446	1378.606476	521.8481438	
507.0529658					

EN02	EN02	3628.165131	3854.111846	4522.683913	
6079.73179					
FRK	FRK	13.54181645	5.282017149	0	0
GNS	GNS	3401.079286	3374.328622	5928.774745	
4244.729664					
ESM1	ESM1	2.083356377	15.84605145	0	2.942280266
RAB34	RAB34	1256.263896	671.6965141	660.1156007	
423.6883583					
EVA1B	EVA1B	303.1283529	233.2890907	70.24878858	
147.1140133					
NUCB2	NUCB2	2032.314146	4797.832243	3900.480357	
3310.065299					
QKI	QKI	3059.40884	2849.648252	3809.045425	
2917.761264					
SRSF7	SRSF7	23147.13103	20268.86047	19990.79812	
20529.27018					
BAG1	BAG1	3287.536364	2667.41866	3795.664704	
3070.759838					
PTTG2	PTTG2	6.250069132	3.521344766	6.690360818	
2.942280266					
E4F1	E4F1	1693.768735	1248.316719	1635.79322	
1696.714953					
FUT4	FUT4	470.8385413	559.0134816	398.0764686	
485.4762439					
HBB	HBB	0	3.345180409	0	
FUT2	FUT2	6.250069132	19.36739621	22.30120273	
30.40356275					
CYP1A1	CYP1A1	171.8769011	0	483.9360991	101.9990492
GPATCH4	GPATCH4	4751.094219	2541.530585	4670.986911	
3635.677649					
MT1M	MT1M	0	0	1.961520177	
IL5RA	IL5RA	3.125034566	6.16235334	24.531323	0
SNRNP27	SNRNP27	4012.544383	3273.08996	3067.530435	
2833.415896					
OSBPL3	OSBPL3	6495.905185	5520.588257	3454.456302	
4370.266955					
SNORD11	SNORD11	20.83356377	20.2477324	25.64638313	
11.76912106					
SOAT1	SOAT1	10389.69825	7654.523185	9396.611768	
8500.247688					
RHN01	RHN01	5752.146958	4218.571029	3906.055657	
4277.094747					
NARF	NARF	9068.850311	8879.070827	5069.063379	
7405.71943					
PEX5	PEX5	515.6307034	1156.761756	1220.990849	
1527.043458					
ZNF8	ZNF8	433.3381265	385.5872518	382.4656267	
425.6498785					
HIC1	HIC1	515.6307034	637.3634026	299.9511767	
320.708549					

GNAI3	GNAI3	17061.64705	12105.50297	12064.95067
12068.25289				
KCNH6	KCNH6	1.041678189	2.641008574	0 3.923040355
LINC01107	LINC01107		0 0	0 1.961520177
CCDC167	CCDC167	3438.579701	4911.395612	1872.185969
2636.283118				
ZNF229	ZNF229	55.208944	39.61512861	185.0999826
35.30736319				
PRR18	PRR18	0 0	6.690360818	0
HRH2	HRH2	339.5870895	970.130483	435.9885133
804.2232727				
TIA1	TIA1	5609.437046	4996.788223	4500.38271
4285.921587				
IZUM02	IZUM02	2.083356377	0 0	0
ACSBG2	ACSBG2	10.41678189	7.923025723	17.84096218
11.76912106				
IPPK	IPPK	2554.194919	2354.899312	1774.060677
2124.326352				
PDDC1	PDDC1	789.592067	996.5405687	687.9921041
893.4724408				
DNHD1	DNHD1	156.2517283	341.5704423	362.3945443
328.5546297				
DZANK1	DZANK1	122.9180263	68.66622293	113.7361339
113.7681703				
12-Sep	12-Sep	0 0	3.345180409	0
C5orf63	C5orf63	355.2122623	303.715986	357.9343037
427.6113987				
ZNF879	ZNF879	286.4615019	118.8453858	801.728238
426.6306386				
RBM14	RBM14	11577.21139	11427.6441	9858.246665
10957.05171				
TEAD3	TEAD3	12.50013826	45.77748195	32.33674395
54.92256497				
PFKFB3	PFKFB3	3532.330738	4980.061835	3346.295469
5429.487851				
ZNF541	ZNF541	23.95859834	29.93143051	32.33674395
27.46128248				
OAS1	OAS1	15899.13419	5314.589588	19817.9638
5540.313741				
SNRPD2	SNRPD2	19373.13095	18936.91181	15461.42385
17308.45404				
FBXW10	FBXW10	0 1.760672383	3.345180409	20.59596186
MIR6079	MIR6079	3.125034566	0.880336191	12.2656615
8.826840798				
CHCHD7	CHCHD7	2740.655314	2694.709082	3321.764146
3249.258174				
ARHGEF37	ARHGEF37		37.50041479	29.93143051
22.30120273	87.28764789			
CAPSL	CAPSL	2.083356377	7.042689532	14.49578177
15.69216142				

GOLGA7B	GOLGA7B	22.91692015	51.93983529	32.33674395
18.63444168				
ZBTB1	ZBTB1	4000.044245	4069.794213	4539.409815
4657.629661				
NUTM2A	NUTM2A	0	3.521344766	0
SMARCAL1	SMARCAL1		2922.948997	2369.865027
2323.785324		2611.764116		
REG4	REG4	187.502074	192.7936259	43.48734531
97.09524878				
CUL9	CUL9	660.4239716	1603.092205	844.1005232
1144.547023				
LOC101928696	LOC101928696		2.083356377	1.760672383
3.345180409		3.923040355		
KIAA0513	KIAA0513		255.2111562	376.7838899
470.5553775		434.4767193		
CYTH1	CYTH1	22609.62509	19477.43824	17496.4086
15996.19705				
SLC30A6	SLC30A6	4402.132025	3595.293006	3475.642445
3505.236557				
GRIK1	GRIK1	6.250069132	1.760672383	7.805420954
16.67292151				
HAP1	HAP1	9.375103698	3.521344766	8.92048109
1.961520177				
SULT2B1	SULT2B1	21.87524196	22.00840479	32.33674395
33.34584301				
FAM46A	FAM46A	138.5431991	78.34992104	1086.068573
282.4589055				
AG04	AG04	671.8824317	1559.075395	1195.344466
1294.603317				
ZNF281	ZNF281	3470.871725	3595.293006	3547.006293
3703.350095				
WBP2	WBP2	3660.457155	4344.459105	5200.640476
3965.213038				
IFT46	IFT46	911.4684151	688.4229017	1035.890867
1089.624459				
ZNF267	ZNF267	4501.091453	5003.830912	9272.840093
7196.817531				
MAPK3	MAPK3	147.9183028	819.5929942	167.2590204
227.5363406				
MKL1	MKL1	989.5942793	2059.106352	992.4035213
1030.778853				
LOC101929089	LOC101929089		76.04250777	108.2813515
132.6921562		46.09572417		
CDCA2	CDCA2	5072.972779	4795.191235	2187.747987
2954.049387				
SLC39A4	SLC39A4	635.4236951	650.5684455	570.9107898
904.2608018				
CEP72	CEP72	976.0524628	754.4481161	816.2240197
777.7427503				
STK10	STK10	15706.42373	13569.50205	10500.5213

9720.313239					
DDX47 DDX47	8933.432146	5968.679378	8002.786598		
7559.698763					
KRTAP5-10	KRTAP5-10	0	0.880336191	0	0
USP16 USP16	3432.329632	3382.251648	3435.50028		
2959.933948					
OGDHL OGDHL	14.58349464	14.08537906	11.15060136		0
ZNF175 ZNF175	189.5854303	193.6739621	314.4469584		
306.9779078					
VEZF1 VEZF1	2146.898747	2507.197473	3471.182204		
2446.015661					
SNAP29 SNAP29	4666.718285	4015.213369	3835.806869		
3598.408765					
VAMP3 VAMP3	1526.058546	1416.460932	1894.487172		
1473.101653					
ZNF850 ZNF850	71.87579502	114.4437049	250.8885307		
125.5372913					
SLC4A7 SLC4A7	2377.109627	4360.305156	1940.204637		
2303.805448					
CATIP-AS1	CATIP-AS1	1.041678189	4.401680957		
3.345180409	4.903800443				
ZNF302 ZNF302	934.3853353	1051.121413	1995.957644		
1846.771247					
HDAC10 HDAC10	429.1714137	1087.215196	236.3927489		
509.9952461					
AGPAT2 AGPAT2	856.2594711	733.3200475	1122.865557		
1250.469113					
SATL1 SATL1	21.87524196	32.57243908	13.38072164		
26.48052239					
AP1G1 AP1G1	6481.32169	7425.635775	5182.799513		
5767.850081					
FAM86B1 FAM86B1	6.250069132	25.52974955	13.38072164		
61.78788559					
MEF2C MEF2C	0	77.46958485	0	98.07600887	
LEPROT LEPROT	2765.655591	2206.122496	2808.836483		
2153.749155					
DOCK10 DOCK10	6091.734048	9799.902483	9075.474449		
9004.358374					
C1orf21 C1orf21	100.0011061	331.8867442	71.36384872		
109.8451299					
PGM2 PGM2	4383.381818	3472.926275	3037.423811		
3636.658409					
SGPP1 SGPP1	3896.918104	3200.022056	3467.837024		
3136.470764					
C4orf46 C4orf46	3334.411882	3333.833157	2282.528099		
2289.094047					
ELP4 ELP4	1642.726504	1314.341934	1190.884226		
1381.890965					
VPS54 VPS54	3241.702523	3421.866776	2607.010599		
2742.205208					

RNF10	RNF10	18871.04207	16133.04104	13481.07705
14480.92271				
PLCL2	PLCL2	2620.862323	3366.405596	4637.535107
2907.953663				
NANOS3	NANOS3	0	5.282017149	7.805420954
4.903800443				
LRRC8B	LRRC8B	3796.916998	3666.600237	3366.366551
4870.4546				
CNTD2	CNTD2	0	2.641008574	5.575300681
0				0
CNTNAP4	CNTNAP4	0	0	0.980760089
0				
LCN2	LCN2	1.041678189	0	0
0				
MED23	MED23	3431.287954	3479.968965	2949.33406
3136.470764				
CDH4	CDH4	10.41678189	14.96571525	60.21324736
52.96104479				
ZNF334	ZNF334	25.00027653	22.00840479	20.07108245
8.826840798				
FAM73A	FAM73A	547.9227273	495.6292758	692.4523446
547.2641295				
HSPBP1	HSPBP1	3703.165961	3166.569281	2620.39132
3364.007104				
NDUFB8	NDUFB8	19921.05368	18980.04829	12940.27288
16151.15714				
EXOG	EXOG	1309.389483	1192.855539	922.1547327
971.9332479				
SDE2	SDE2	3656.290442	3409.542069	3825.771328
3324.776701				
POLR3F	POLR3F	1385.431991	1011.506284	1299.045059
1022.932772				
PCGF2	PCGF2	200.0022122	141.7341268	149.4180583
189.2866971				
KIAA1257	KIAA1257	0	7.042689532	0
7.846080709				
HNRNPUL2-BSCL2	HNRNPUL2-BSCL2	3506.288783	3336.474166	
2729.667214	2322.43989			
STX16-NPEPL1	STX16-NPEPL1	2794.82258	2940.322879	
2282.528099	2956.010907			
GNAI1	GNAI1	101.0427843	283.4682536	186.2150428
308.9394279				
DPH6	DPH6	676.0491445	632.0813855	493.9716404
713.0125845				
TUBB3	TUBB3	65.62572589	662.8931522	11.15060136
142.2102129				
HSP90B1	HSP90B1	46165.09397	41314.17746	32557.52586
33347.80453				
SGPP2	SGPP2	162.5017974	326.604727	307.7565976
572.7638918				
ZNF326	ZNF326	2267.733417	1766.834736	1719.42273
1508.409016				
CDK3	CDK3	76.04250777	235.0497631	153.8782988
165.748455				

RAMP1	RAMP1	441.671552	397.9119585	74.70902913	
140.2486927					
HDGFRP2	HDGFRP2	2604.195472	2951.76725	1697.121527	
2381.285495					
ZCCHC3	ZCCHC3	465.6301503	1063.446119	667.9210216	
545.3026093					
EPG5	EPG5	452.0883339	1450.794043	1280.089036	
1072.951537					
SOGA1	SOGA1	23.95859834	54.58084387	23.41626286	
23.53824213					
H2AFY2	H2AFY2	53.12558762	265.8615298	117.0813143	
273.6320647					
CCDC122	CCDC122	32.29202385	60.74319721	81.39938995	
105.9220896					
CSAD	CSAD	198.960534	168.1442126	204.0560049	
220.67102					
ZFP36L1	ZFP36L1	1912.521154	3140.159195	4001.950829	
4704.706145					
RSRC2	RSRC2	3291.703076	2975.536327	3726.530975	
3016.818033					
ZRANB2-AS2	ZRANB2-AS2		20.83356377	5.282017149	
16.72590204	8.826840798				
RARA	RARA	395.8377117	544.0477663	598.7872932	
524.7066474					
FGFR4	FGFR4	28.12531109	21.12806859	12.2656615	
32.36508293					
NSUN2	NSUN2	13284.52194	9729.475588	11320.0905	
12196.73246					
RPL11	RPL11	6218.818787	8433.620714	8262.59561	
6960.454349					
FPGT	FPGT	1189.596491	815.1913133	900.9685901	
863.068878					
HS3ST3A1	HS3ST3A1		30.20866747	70.42689532	
25.64638313	33.34584301				
SCEL	SCEL	0	0	2.942280266	
UQCR11	UQCR11	9618.856394	10268.24134	8465.536555	
8378.633437					
ADIRF	ADIRF	0	1.760672383	15.61084191	6.865320621
MRPL47	MRPL47	5257.349818	4162.229513	3770.018321	
3883.809951					
MIR4738	MIR4738	6.250069132	0.880336191	4.460240545	0
MIR4746	MIR4746	0	2.641008574	0	1.961520177
MIR3064	MIR3064	870.8429658	768.5334951	1257.787834	
1606.485025					
MIR4745	MIR4745	5.208390943	5.282017149	12.2656615	
3.923040355					
DIAPH3-AS1	DIAPH3-AS1		241.6693398	247.3744698	
140.4975772	190.2674572				
PRC1-AS1	PRC1-AS1		1775.019634	1647.109014	
967.8721983	1303.430158				

TM7SF2	TM7SF2	863.5512184	1085.454524	706.9481264	
1181.815907					
PKN2	PKN2	1135.429226	1129.471334	1593.420935	
1196.527308					
PPARGC1B	PPARGC1B		328.1286294	293.1519517	
282.1102145		357.9774324			
UBE2D1	UBE2D1	2657.321059	2191.15678	2789.880461	
2325.38217					
DNAH8	DNAH8	6.250069132	9.683698106	2.230120273	
36.28812328					
MASTL	MASTL	3631.290166	3928.060086	2449.787119	
3017.798793					
DPY19L3	DPY19L3	379.1708607	489.4669224	421.4927315	
462.9187619					
UBAC1	UBAC1	1937.521431	1861.030709	1423.931794	
1976.231579					
MAP7D3	MAP7D3	1481.266384	1247.436383	1301.275179	
1485.851534					
PLEKHF2	PLEKHF2	1326.056334	1357.478407	2777.614799	
1810.483124					
PRR5-ARHGAP8	PRR5-ARHGAP8		189.5854303	222.7250564	
489.5113998		305.0163876			
TRAPPC4	TRAPPC4	6254.235845	4705.396943	5924.314504	
5057.779777					
PAAF1	PAAF1	2566.695057	2057.345679	1924.593795	
2509.765067					
USP14	USP14	13261.60502	10539.38488	9370.965385	
10000.81062					
SYNPO	SYNPO	0	2.641008574	0	4.903800443
RBM19	RBM19	3514.622209	2982.579017	4345.389351	
4231.979783					
ZYX	ZYX	8079.256032	10622.13649	4512.648371	
7376.296627					
TRIM39	TRIM39	90.62600242	29.05109432	224.1270874	
59.82636541					
LOC285627	LOC285627		2.083356377	0	0
LINC00174	LINC00174		36.4587366	97.71731725	0
86.97469063		85.32612771			
HPGD	HPGD	4066.711649	5991.568119	1080.493272	
1073.932297					
ZNF468	ZNF468	2273.983486	1895.36382	3116.593081	
2205.729439					
C17orf96	C17orf96		147.9183028	354.7754851	
127.1168555		196.1520177			
MIR6165	MIR6165	0	0	1.115060136	0
PINK1-AS	PINK1-AS		3152.118199	2880.460018	
3533.625572		3160.009006			
LSAMP-AS1	LSAMP-AS1		0	0	0
INSR	INSR	18.7502074	121.4863944	115.9662542	0.980760089
240.2862217					

ZNF829	ZNF829	277.0863982	373.2625452	569.7957296
555.1102102				
PSAP	PSAP	23687.76201	19221.2604	24311.65615
20481.21293				
PSD4	PSD4	2505.236044	7121.919789	2785.42022
3643.523729				
C11orf49	C11orf49		1285.430885	1222.78697
982.36798	1438.77505			
C9orf16	C9orf16	1516.683443	2080.23442	1057.077009
1474.082413				
VPS4A	VPS4A	9810.525181	7344.644845	8163.355258
7992.213963				
C10orf95	C10orf95		106.2511752	107.4010154
177.2945617	244.2092621			
PRPF18	PRPF18	2371.901236	1874.235752	2252.421475
1831.079086				
RGS10	RGS10	3576.081222	3806.573692	3270.47138
3590.562685				
OBSCN	OBSCN	47.91719668	106.5206792	225.2421475
257.9399033				
TMC01	TMC01	9751.149524	8127.263719	7775.31433
6992.819432				
CISH	CISH	21699.19835	6928.245827	24019.5104
13186.31939				
SNX33	SNX33	103.1261407	220.0840479	152.7632387
218.7094998				
TM4SF20	TM4SF20	1.041678189	0	1.115060136
IMP4	IMP4	6868.825976	4193.921616	6478.499392
5934.579297				2.942280266
HPCAL1	HPCAL1	2235.441393	2964.091957	3066.415375
3984.82824				
PRELID2	PRELID2	28.12531109	132.9307649	52.4078264
114.7489304				
TECR	TECR	9118.850864	8879.070827	6844.239116
7858.83059				
GZF1	GZF1	846.8843674	790.5418999	1206.495067
717.9163849				
PPARG	PPARG	213.5440287	469.21919	225.2421475
248.1323024				
HCAR1	HCAR1	13.54181645	14.96571525	14.49578177
12.74988115				
RSPH6A	RSPH6A	0	1.760672383	0
GPR63	GPR63	222.9191324	163.7425316	138.2674569
90.22992816				
KIAA0040	KIAA0040		10888.66211	7006.595748
10659.9749	5759.023241			
COL9A1	COL9A1	0	0	0.980760089
CHST10	CHST10	447.9216211	581.0218863	421.4927315
588.4560532				
SAG	SAG	3.125034566	3.521344766	0
				4.903800443

CCZ1	CCZ1	2053.14771	1632.143299	1737.263692	
1429.948209					
CCDC9	CCDC9	945.8437953	1115.385955	979.0227996	
1035.682654					
SARAF	SARAF	27164.8838	26400.40205	65955.80706	
40904.56102					
ACVR2A	ACVR2A	108.3345316	154.9391697	250.8885307	
292.2665064					
CCDC71L	CCDC71L	194.7938213	478.9028881	307.7565976	
396.2270758					
S100A1	S100A1	10.41678189	24.64941336	17.84096218	
31.38432284					
MRPS11	MRPS11	4192.75471	3617.301411	3060.840074	
2989.35675					
ADAM9	ADAM9	1560.433927	1326.666641	690.2222243	
793.4349117					
AAR2	AAR2	4662.551573	3408.661733	4659.836309	
4093.69261					
RADIL	RADIL	2.083356377	2.641008574	1.115060136	0
SACS	SACS	1304.181092	1627.741618	1383.789629	
1309.314718					
CNTN5	CNTN5	0	0	0.980760089	
ZNF808	ZNF808	806.2589181	513.2359996	853.0210042	
919.9529632					
FGD3	FGD3	8304.25852	6764.503295	8604.919072	
7391.988788					
SLC39A14	SLC39A14		5684.437876	4193.04128	
4933.026043	4976.37669				
DTX2	DTX2	1200.013273	1231.590332	1137.361339	
1026.855813					
LOC344887	LOC344887		43.75048393	16.72638764	
392.501168	21.57672195				
SNED1	SNED1	141.6682337	345.091787	269.844553	
241.2669818					
LRIG3	LRIG3	27.08363291	53.70050768	81.39938995	
1.961520177					
NPIPA3	NPIPA3	0	3.521344766	2.230120273	1.961520177
FANCC	FANCC	1266.680677	1162.043773	821.7993204	
973.894768					
FAM212B	FAM212B	97.91774974	75.70891246	95.89517172	
120.6334909					
FBN1	FBN1	22.91692015	57.22185244	16.72590204	
36.28812328					
ZNF683	ZNF683	3.125034566	7.042689532	12.2656615	0
TNNI2	TNNI2	0	3.521344766	0	2.942280266
CHM	CHM	1303.139414	1241.27403	1175.273384	
1117.085741					
IL6	IL6	0	0.880336191	54.63794668	23.53824213
PKD2L2	PKD2L2	79.16754234	124.127403	183.9849225	
103.9605694					

RNF144A-AS1	RNF144A-AS1	53.12558762	61.6235334
303.2963571	185.3636568		
MIR302A	MIR302A	2.083356377	1.760672383
0.980760089			5.575300681
MIR30C1	MIR30C1	1.041678189	2.641008574
1.961520177			10.03554123
MIR29C	MIR29C	1.041678189	2.641008574
3.923040355			8.92048109
MIR106B	MIR106B	8.33342551	18.48706002
25.49976231			24.531323
KLC3	KLC3	19.79188559	27.29042193
23.53824213			4.460240545
ZNF815P	ZNF815P	198.960534	286.9895984
301.0933472			275.4198537
PAIP2	PAIP2	11327.20862	10793.80204
11920.15812			11859.77961
PMM1	PMM1	1428.140797	1714.014565
1709.464835			1058.192069
FBX04	FBX04	1120.845731	1243.034702
1464.274812			1178.618564
ARL8B	ARL8B	6374.028837	4961.574775
5305.91208			6843.124056
PLCD1	PLCD1	580.2147511	728.9183665
859.1458377			916.579432
PTPRR	PTPRR	0	0
MOB3A	MOB3A	9476.146483	8800.720906
8891.570964			1.961520177
BCDIN3D	BCDIN3D	590.631533	595.9876016
678.6859814			7354.936659
C17orf64	C17orf64	8.33342551	0
3.923040355			0
DNAJC24	DNAJC24	863.5512184	1012.38662
923.8760035			903.1987104
HIF3A	HIF3A	1.041678189	0
BZW2	BZW2	6720.907673	5159.650418
6320.018011			6399.330122
EIF5A	EIF5A	34568.09069	12935.66
10852.11038			30180.21765
SGK1	SGK1	4396.923634	3660.437884
2385.208536			1803.05224
ZNF530	ZNF530	467.7135067	464.8175091
410.9384772			577.6011506
XRCC4	XRCC4	1141.679295	1162.924109
948.3950057			921.0396726
MRPS25	MRPS25	3450.038161	3079.415998
3337.526582			2650.497944
POLR1E	POLR1E	1713.56062	1215.74428
1931.116615			2045.02029
PI4KB	PI4KB	7713.626987	6262.711666
6227.826563			7573.488446

CUL2	CUL2	7033.41113	5371.81144	5683.461515
5555.025142				
EGR4	EGR4	58.33397857	61.6235334	56.86806695
143.1909729				
SNORA21	SNORA21	6.250069132	17.60672383	10.03554123
21.57672195				
SNORA27	SNORA27	46.87551849	47.53815434	52.4078264
58.84560532				
C4orf27	C4orf27	1166.679571	1160.2831	870.8619664
1247.526833				
ZNF664	ZNF664	320.8368821	836.3193819	630.008977
512.9375264				
HYI	HYI	58.33397857	176.0672383	181.7548022
105.9220896				
EPX	EPX	1.041678189	6.16235334	2.230120273
0.980760089				
TNFAIP2	TNFAIP2	46.87551849	47.53815434	90.31987104
59.82636541				
CENPE	CENPE	4079.211787	4656.098117	1441.772756
2553.899271				
MYL4	MYL4	7.291747321	0	2.230120273
CCNG1	CCNG1	9650.10674	6607.803453	8236.949227
5300.027519				1.961520177
GFPT2	GFPT2	3.125034566	40.49546481	0
36.28812328				
SENP3	SENP3	672.9241099	1640.946661	977.9077395
1009.202131				
ENOX1-AS2	ENOX1-AS2		0	0
0.980760089				2.230120273
BMP2	BMP2	1.041678189	0	0
BCAT2	BCAT2	2785.447477	2481.667724	2198.898589
2615.687156				
BAK1	BAK1	13743.90202	12800.08822	6351.382536
7883.349593				
SUPT4H1	SUPT4H1	5081.306204	6513.60748	4840.476052
5226.470513				
ALDH7A1	ALDH7A1	19.79188559	138.2127821	56.86806695
155.9408541				
CUL5	CUL5	2776.072373	2535.368231	2968.290083
2679.436562				
PKP2	PKP2	1.041678189	0	24.531323
11.76912106				
STRN	STRN	2251.066566	2890.143716	2268.032317
2343.035852				
ACY1	ACY1	1389.598704	1164.684781	1255.557713
2014.481222				
LYST	LYST	3086.492473	4185.118254	4657.606189
5025.414694				
CHRNE	CHRNE	41.66712755	72.1875677	95.89517172
77.480047				
CHRNA1	CHRNA1	1.041678189	0.880336191	0
4.903800443				
RAB11B	RAB11B	2009.397226	2977.296999	2115.269078

2130.210913				
ELOVL7	ELOVL7	25.00027653	11.44437049	6.690360818
12.74988115				
MEM01	MEM01	3461.496621	2456.137974	3145.584644
2687.282643				
PTRH1	PTRH1	744.7999049	635.6027302	773.8517346
811.0885933				
RGS19	RGS19	3869.834471	3829.462433	1446.232997
1764.3874				
ELM01	ELM01	10930.32923	11296.47401	9403.302129
10386.24934				
HECTD4	HECTD4	679.174179	1292.333529	1131.786038
866.0111583				
FAM222B	FAM222B	1923.979615	1618.05792	1358.143246
1701.618754				
NHP2L1	NHP2L1	12837.642	10999.80071	13107.5319
12383.07688				
USP33	USP33	5685.479554	5044.326377	6158.477133
5746.27336				
MYCN	MYCN	1.041678189	2.641008574	25.64638313
2.942280266				
WAC	WAC	9254.269028	8025.144721	8626.105214
6894.743423				
HIC2	HIC2	56.25062219	158.4605145	136.0373366
156.9216142				
DSE	DSE	904.1766678	240.3317803	1157.432421
678.6859814				
TBX21	TBX21	2223.982933	4671.063832	2746.393116
5116.625383				
KCNJ14	KCNJ14	17.70852921	28.17075813	49.062646
43.1534439				
RPA4	RPA4	16.66685102	3.521344766	16.72590204
6.865320621				
RBM34	RBM34	3533.372416	2386.591415	3301.693063
3051.144636				
SETX	SETX	8091.75617	9470.656747	10652.16948
9006.319894				
SEC23A	SEC23A	7119.87042	6299.685786	6103.839186
6076.789509				
ATP5H	ATP5H	4791.719668	5529.391618	4417.86826
4618.399258				
TP53RK	TP53RK	2664.612807	2226.370228	2901.386475
2301.843928				
USP38	USP38	4339.631334	4414.005664	4393.336937
3716.099976				
RNF181	RNF181	3320.870066	4014.333033	3127.743682
3297.315418				
HELB	HELB	1528.141903	2751.930934	2477.663623
2891.280741				
RNF114	RNF114	8121.964837	6185.242081	8913.790729

7056.568838				
FKBP2	FKBP2	2085.439734	2030.055257	1924.593795
1946.808776				
SLC01B1	SLC01B1	0	0	0.980760089
TTYH1	TTYH1	3.125034566	3.521344766	1.115060136
4.903800443				
GSTCD	GSTCD	923.9685534	860.9687952	546.3794668
602.1866944				
SDK2	SDK2	0	6.16235334	13.38072164
34.3266031				
STXBP3	STXBP3	4340.673012	3973.837568	4986.548929
4341.824913				
PPP4C	PPP4C	15535.58851	12961.18975	9795.803297
10910.95599				
PPP2CA	PPP2CA	28286.77121	20725.75496	22673.63281
21153.03359				
PATL2	PATL2	341.6704459	433.1254062	991.2884611
672.8014208				
C9orf47	C9orf47	4.166712755	3.521344766	0
1.961520177				
TSSC4	TSSC4	3727.124559	2515.120499	3600.52918
2899.126822				
B4GALNT4	B4GALNT4	0	1.760672383	0
21.57672195				
ZNF688	ZNF688	937.5103698	910.2676219	815.1089596
815.0116337				
C17orf50	C17orf50	0	1.760672383	2.230120273
0				
PEX1	PEX1	1186.471457	1436.708664	1503.101064
1768.31044				
PORCN	PORCN	688.5492827	465.6978453	346.7837024
495.2838448				
LRRC8C	LRRC8C	8039.67226	11321.12342	6535.367459
7591.083086				
C2orf16	C2orf16	25.00027653	14.96571525	56.86806695
22.55748204				
UBQLN1	UBQLN1	11912.63177	8038.349764	9803.608718
8814.090917				
PDGFD	PDGFD	14.58349464	0	1.115060136
6.865320621				
MRPL43	MRPL43	2906.282146	2848.767915	2821.102145
2609.802596				
CCDC28B	CCDC28B	818.7590563	560.7741539	384.695747
464.880282				
DAB2IP	DAB2IP	2.083356377	0	0
0.980760089				
SLC35F5	SLC35F5	1506.266661	1329.307649	1471.87938
1189.661988				
CXXC4	CXXC4	0	2.641008574	4.460240545
1.961520177				
PGLYRP3	PGLYRP3	14.58349464	9.683698106	2.230120273
1.961520177				
RPL9	RPL9	12158.46782	11478.7036	16120.42439
12806.76524				
IARS	IARS	29349.28297	22584.14466	26411.31439

26427.56135				
ATP8A1	ATP8A1	526.0474853	1688.484815	756.0107724
1562.350821				
NBR1	NBR1	8528.219331	8622.892995	11738.23805
9233.856235				
RPS15AP10	RPS15AP10		12.50013826	26.41008574
35.68192436		15.69216142		
LINC00263	LINC00263		17.70852921	139.9734544
79.16926967		107.8836098		
OIP5-AS1	OIP5-AS1		5219.849404	5667.6044
3478.987625		4399.689758		
CYP4F35P	CYP4F35P		14.58349464	19.36739621
23.41626286		10.78836098		
ZNRD1-AS1	ZNRD1-AS1		9.375103698	32.57243908
4.460240545		44.13420399		
KIAA1841	KIAA1841		520.8390943	640.0044112
255.3487712		293.2472665		
SC02	SC02	4516.716626	3652.514858	3677.468329
4395.766717				
ZNF680	ZNF680	563.5479001	486.8259139	964.5270179
689.4743423				
TRIM3	TRIM3	38.54209298	110.9223601	186.2150428
189.2866971				
SET	SET	15663.71492	21050.59901	17388.24776
14684.92081				
LARGE	LARGE	0	3.521344766	1.115060136
				17.6536816
RHOV	RHOV	14.58349464	11.44437049	16.72590204
17.6536816				
NOP14	NOP14	6452.154701	5019.676964	6596.695766
6805.494255				
ADCY10	ADCY10	2.083356377	0	7.805420954
				1.961520177
LOC101927839	LOC101927839		0	1.760672383
				2.230120273
		2.942280266		
CNTFR	CNTFR	0	0	2.942280266
WAS	WAS	623.965235	2037.978283	498.4318809
594.3406137				
IQSEC3	IQSEC3	2.083356377	0	72.47890886
				0.980760089
CYP51A1	CYP51A1	2853.156559	3829.462433	4285.176104
4979.31897				
AVPR2	AVPR2	0	4.401680957	0
				0
NEFM	NEFM	3.125034566	1.760672383	24.531323
35.30736319				
ZNF595	ZNF595	359.3789751	293.1519517	657.8854804
504.1106856				
RAD21-AS1	RAD21-AS1		164.5851538	269.3828746
128.2319157		131.4218519		
GTPBP3	GTPBP3	997.9277048	1619.818592	997.978822
1895.809251				
CCNG2	CCNG2	688.5492827	1440.230009	1106.139655
1001.356051				

RRP1	RRP1	5015.680479	3415.704423	4587.357401
4987.165051				
PCDHGA11	PCDHGA11		5.208390943	4.401680957
52.4078264	11.76912106			
TFAP4	TFAP4	21.87524196	94.19597248	20.07108245
37.26888337				
C16orf89	C16orf89		1.041678189	0.880336191
2.230120273	0			
SCCPDH	SCCPDH	1740.644253	2384.830743	1285.664337
2742.205208				
NUDT13	NUDT13	106.2511752	89.79429153	119.3114346
77.480047				
LOC101927164	LOC101927164		243.7526962	165.503204
117.0813143	182.4213765			
BAG4	BAG4	2438.56864	2523.923861	2075.126914
1916.405213				
HSD17B7	HSD17B7	1460.432821	929.6350182	1501.986004
1133.758663				
THEMIS	THEMIS	4460.466004	4653.457108	4280.715863
2948.164827				
LOC100507053	LOC100507053		26.04195472	41.375801
32.33674395	26.48052239			
LOC257396	LOC257396		132.29313	113.5633687
153.8782988	170.6522554			
LOC100630923	LOC100630923		1633.3514	1407.65757
1808.627541	1736.926117			
LINC00880	LINC00880		138.5431991	298.4339689
43.48734531	200.0750581			
LOC642236	LOC642236		23.95859834	22.88874098
6.690360818	21.57672195			
LOC648987	LOC648987		238.5443052	246.4941336
730.3643893	363.8619929			
SPG200S	SPG200S	16.66685102	25.52974955	40.14216491
23.53824213				
LOC100507501	LOC100507501		61.45901313	79.23025723
154.9933589	137.3064124			
MCF2L-AS1	MCF2L-AS1		4.166712755	6.16235334
35.68192436	61.78788559			
GOLGA8T	GOLGA8T	0	0.880336191	0
				0.980760089
LINC00996	LINC00996		29.16698928	52.82017149
13.38072164	51.9802847			
ASAP1-IT2	ASAP1-IT2		2.083356377	4.401680957
12.2656615	7.846080709			
SENP1	SENP1	4063.586614	4172.793547	2754.198537
3610.177886				
GATAD1	GATAD1	433.3381265	689.3032379	834.0649819
719.8779051				
OR2M5	OR2M5	0	0	0.980760089
ST8SIA6-AS1	ST8SIA6-AS1		7.291747321	2.641008574
12.2656615	1.961520177			

LINC00944	LINC00944	36.4587366	22.00840479	
178.4096218	211.8441792			
PRRC1 PRRC1	4127.128984	3892.846639	4375.495975	
4098.596411				
MIR1292 MIR1292	735.4248012	551.970792	737.0547501	
681.6282616				
SMAD9 SMAD9	22.91692015	50.17916291	5.575300681	
23.53824213				
TMEM179B	TMEM179B	4599.009203	3664.839565	
4592.932701	3728.849857			
PIP5K1C PIP5K1C	700.0077428	1272.085797	1063.76737	
916.0299228				
AP5S1 AP5S1	1488.558132	1280.008822	781.6571555	
990.5676896				
TEX29 TEX29	19.79188559	14.96571525	4.460240545	
7.846080709				
C12orf54	C12orf54	0	1.760672383	0
5.884560532				
ZNF746 ZNF746	1460.432821	1599.57086	1506.446244	
1760.464359				
C7orf60 C7orf60	487.5053923	530.8427234	807.3035387	
663.97458				
C6orf195	C6orf195	0	0	0 0.980760089
DYNLRB2 DYNLRB2	2.083356377	17.60672383	18.95602232	
17.6536816				
FRMD5 FRMD5	243.7526962	353.895149	149.4180583	
136.3256523				
NTN5 NTN5	1.041678189	7.042689532	14.49578177	
8.826840798				
ZNF446 ZNF446	237.502627	316.9210289	223.0120273	
381.5156745				
RNASEH2C	RNASEH2C	4738.59408	4395.518604	
4746.811	4829.262677			
PLA2G12A	PLA2G12A	964.5940027	710.4313065	
877.5523272	938.5874049			
ZFYVE9 ZFYVE9	32.29202385	33.45277527	223.0120273	
236.3631814				
PFN2 PFN2	14.58349464	65.14487817	118.1963744	
76.49928692				
CHD5 CHD5	17.70852921	4.401680957	8.92048109	0
TSHB TSHB	0 0.880336191	0	0	
TYRP1 TYRP1	0 0	1.115060136	0	
DNAH1 DNAH1	123.9597045	291.3912794	154.9933589	
152.0178137				
PPP1R10 PPP1R10	1.041678189	1.760672383	0 0	
TAL2 TAL2	5.208390943	3.521344766	6.690360818	
4.903800443				
PITX1 PITX1	12.50013826	29.93143051	0 5.884560532	
TFCP2 TFCP2	1268.764034	1751.869021	1548.818529	
1450.544171				

NPAS1	NPAS1	10.41678189	16.72638764	7.805420954	
13.73064124					
RPL5	RPL5	28777.40164	27258.72983	31129.13382	
30764.48246					
GJA4	GJA4	0	0	6.865320621	
ST8SIA1	ST8SIA1	60.41733494	41.375801	105.9307129	
93.17220842					
CYC1	CYC1	20246.05728	13055.38572	12043.76453	
12535.09469					
FOX01	FOX01	4874.012245	3443.875181	6331.311454	
5588.370985					
SF3B4	SF3B4	8688.637772	7479.336282	6923.408386	
6458.305184					
CYP2E1	CYP2E1	0	0.880336191	8.92048109	9.807600887
HDAC3	HDAC3	9723.024213	6875.425655	6604.501187	
7900.022514					
PCDHGB4	PCDHGB4	7.291747321	7.042689532	41.25722504	
11.76912106					
PCDHGA12	PCDHGA12		9.375103698	4.401680957	
33.45180409	18.63444168				
EFNB1	EFNB1	441.671552	463.9371729	539.689106	
443.3035601					
PHC1	PHC1	3216.702247	2256.301659	4178.130331	
3641.562209					
ATP5E	ATP5E	12226.1769	16294.14257	12060.49043	
11225.77997					
GLTSCR1L	GLTSCR1L		391.670999	972.7714915	
621.0884959	463.8995219				
TMEM131	TMEM131	1796.894876	3066.210955	1906.752833	
2130.210913					
ADSS	ADSS	4217.754986	3867.316889	4155.829128	
4115.269332					
CCZ1B	CCZ1B	1617.726227	1090.736541	1266.708315	
1015.086692					
CCT5	CCT5	43674.44142	29595.14208	32960.06257	
34306.9879					
PADI3	PADI3	0	1.115060136	0	
LOC101928035	LOC101928035		0	3.345180409	0
LOC101928248	LOC101928248		9.375103698	4.401680957	0
	5.884560532				
MAST2	MAST2	2309.400544	2990.502042	1795.246819	
2156.691435					
PUS1	PUS1	1627.101331	1352.19639	1273.398676	
1266.161274					
TRPS1	TRPS1	288.5448583	1181.411169	346.7837024	
533.5334882					
CCDC51	CCDC51	2790.655868	1782.680788	2464.282901	
2231.229202					
GRK1	GRK1	1.041678189	0	0	
LOC730183	LOC730183		66.66740408	71.30723151	

55.75300681	61.78788559				
SLC35G6 SLC35G6	1.041678189	4.401680957	0	6.865320621	
GRAMD3 GRAMD3	1135.429226	1162.043773	909.8890712		
933.6836044					
RAD23B RAD23B	540.6309799	1374.204795	663.4607811		
661.0322998					
TAF13 TAF13	66.66740408	111.8026963	61.32830749		
58.84560532					
TAF12 TAF12	3505.247105	2710.555133	2788.765401		
2412.669818					
THG1L THG1L	841.6759765	563.4151625	888.7029286		
788.5311113					
ANKRD10 ANKRD10	4075.045074	5849.833992	2882.430452		
3403.237508					
GABARAPL2	GABARAPL2	5611.520403	6882.468345		
6074.847622	5585.428705				
MRPL27 MRPL27	6443.821275	4664.021142	3594.953879		
3388.526106					
VAMP2 VAMP2	1233.346975	1595.169179	3059.725014		
2062.538466					
NXF1 NXF1	6986.535612	5493.297835	7895.740825		
7851.96527					
MRPS2 MRPS2	4836.51183	3257.243908	3415.429197		
3415.006629					
SMG6 SMG6	1943.7715	1987.79912	2357.237128		
1919.347494					
THOC1 THOC1	3685.457432	3006.348094	3171.231028		
3707.273135					
SPTBN1 SPTBN1	7058.411407	23718.01767	4490.347169		
6114.058393					
ADH4 ADH4	0 0	1.115060136	0		
VSIG1 VSIG1	20.83356377	36.09378385	157.2234792		
77.480047					
ARL9 ARL9	5.208390943	9.683698106	13.38072164		
16.67292151					
CRIP3 CRIP3	2.083356377	10.5640343	3.345180409		
28.44204257					
PBLD PBLD	82.29257691	79.23025723	91.43493117		
81.40308736					
NKIRAS2 NKIRAS2	2558.361631	1628.621954	2200.013649		
1958.577897					
ATAD3C ATAD3C	16.66685102	17.60672383	12.2656615		
22.55748204					
AMIG02 AMIG02	556.2561528	1013.266956	1243.292052		
1851.675047					
MIR4435-1	MIR4435-1	8.33342551	6.16235334	0	
0.980760089					
MIR4434 MIR4434	13.54181645	7.042689532	22.30120273		
8.826840798					
MIR4427 MIR4427	1.041678189	0 0	0		

MIR548AC	MIR548AC	0	0.880336191	0	0
MIR4420	MIR4420	1.041678189	1.760672383	4.460240545	
2.942280266					
MIR54802	MIR54802	0	0	8.92048109	
2.942280266					
AFF1	AFF1	758.3417214	2016.850215	1360.373366	
1044.509494					
UPP2	UPP2	0	0	1.115060136	0.980760089
SIK1	SIK1	47.91719668	38.73479242	97.01023186	
73.55700665					
FAM149B1	FAM149B1		269.7946509	419.0400271	
311.101778	397.2078359				
FGFR3	FGFR3	9.375103698	8.803361914	21.18614259	
0.980760089					
COX11	COX11	4301.089241	2977.296999	2979.440684	
2741.224448					
CALR	CALR	15043.9164	18489.70103	12827.65181	
10843.28354					
CALD1	CALD1	23.95859834	3.521344766	91.43493117	
38.24964346					
CAD	CAD	4071.92004	8055.076152	6064.812081	
7200.740571					
SHARPIN	SHARPIN	2368.776201	1824.056589	2302.599181	
2322.43989					
NDUFB4	NDUFB4	6453.196379	8950.378058	6206.424718	
6613.265278					
ERMP1	ERMP1	3681.290719	5436.956318	1687.085986	
2701.994044					
PHKG2	PHKG2	2803.156006	2214.045521	2210.04919	
2255.748204					
SH2D5	SH2D5	0	0	2.230120273	1.961520177
SCGB2B3P	SCGB2B3P		4.166712755	1.760672383	0
0					
SPEG	SPEG	3.125034566	0	28.99156354	6.865320621
PSMG1	PSMG1	5775.063878	3725.582762	4246.148999	
3844.579548					
SNORD56B	SNORD56B		1.041678189	2.641008574	0
0					
SNORD83B	SNORD83B		58.33397857	35.21344766	
45.71746559	34.3266031				
SNORD83A	SNORD83A		40.62544936	23.76907717	
45.71746559	42.17268381				
RNU86	RNU86	252.0861217	130.2897563	267.6144327	
210.8634191					
TSPY26P	TSPY26P	14.58349464	8.803361914	36.7969845	
33.34584301					
SNORD32A	SNORD32A		21.87524196	25.52974955	
37.91204463	40.21116364				
SNORD33	SNORD33	1.041678189	7.923025723	11.15060136	
8.826840798					

SNORD34	SNORD34	35.41705842	11.44437049	33.45180409
23.53824213				
SNORD35A	SNORD35A		18.7502074	20.2477324
24.531323	25.49976231			
SNORD36B	SNORD36B		18.7502074	14.08537906
22.30120273	24.51900222			
SNORD36C	SNORD36C		35.41705842	19.36739621
34.56686422	21.57672195			
ISY1-RAB43	ISY1-RAB43		4680.260102	4469.466844
4169.209849	3940.694036			
SLC4A2	SLC4A2	2061.481135	3102.304739	1774.060677
1965.443218				
HDX	HDX	215.6273851	154.0588335	121.5415549
85.32612771				
PIGH	PIGH	1936.479753	1150.599402	2588.054576
1973.289298				
RAP2B	RAP2B	2746.905384	4547.816765	2140.915462
1810.483124				
RDH8	RDH8	0	0	1.961520177
KDELC1	KDELC1	1065.636787	698.1065998	277.6499739
304.0356275				
DGUOK	DGUOK	5489.644054	4612.961643	5876.366918
5119.567663				
SP1	SP1	1104.17888	2584.667058	2130.87992
1917.385973				
THOC2	THOC2	6251.11081	5957.235007	6121.680148
6749.59093				
KLHL18	KLHL18	2562.528344	1814.372891	2566.868434
2010.558182				
MRAS	MRAS	1.041678189	1.760672383	23.41626286
18.63444168				
POLR2A	POLR2A	10770.95247	19627.09539	16017.83886
14852.63078				
COL1A1	COL1A1	8.33342551	18.48706002	44.60240545
13.73064124				
SPRED3	SPRED3	1.041678189	29.93143051	0
CNIH2	CNIH2	3.125034566	6.16235334	9.807600887
17.6536816				13.38072164
DIRAS3	DIRAS3	6.250069132	7.923025723	10.03554123
94.15296851				
ASH2L	ASH2L	6270.902696	5175.496469	5526.238035
5559.928943				
PIAS2	PIAS2	1861.478923	1759.792047	1654.749242
1923.270534				
UPP1	UPP1	1914.604511	893.5412343	2216.739551
1464.274812				
CCNF	CCNF	12165.75957	12045.64011	6093.803645
7570.487124				
HNRNPA0	HNRNPA0	1300.014379	3095.262049	1942.434757
2153.749155				

IGFBP3	IGFBP3	106.2511752	44.01680957	217.4367266	
54.92256497					
IGFBP2	IGFBP2	4.166712755	22.88874098	28.99156354	
74.53776674					
NPAT	NPAT	3567.747796	3999.367318	5811.69343	
5009.722533					
MPV17	MPV17	6012.566505	4707.157616	4918.530261	
5474.602815					
PABPN1	PABPN1	5612.562081	8064.75985	6821.937914	
6422.997821					
SLC1A6	SLC1A6	0	0.880336191	0	
SURF4	SURF4	43403.60509	35355.18178	27344.61972	
35825.20452					
TMEM249	TMEM249	157.2934065	164.6228678	128.2319157	
203.9980984					
SQRDL	SQRDL	18109.57531	14111.78915	15065.5775	
12772.43863					
SNORD98	SNORD98	5.208390943	9.683698106	6.690360818	
12.74988115					
SNORD99	SNORD99	4.166712755	19.36739621	8.92048109	
21.57672195					
SNORD110	SNORD110		129.1680954	92.4353001	
119.3114346	162.8061747				
SNORA49	SNORA49	0	0	0.980760089	
SNORD111	SNORD111		0	1.760672383	1.115060136
	0.980760089				
HULC	HULC	0	0.880336191	0	0.980760089
CHRM3-AS2	CHRM3-AS2		386.462608	344.2114509	
322.2523794	219.6902599				
LOC440416	LOC440416		0	0	2.230120273
PDK1	PDK1	1163.554537	1728.099944	1924.593795	0
2700.032524					
CCS	CCS	864.5928966	1174.368479	880.8975076	
1143.566263					
MRGPRF	MRGPRF	0	0	0.980760089	
TINAGL1	TINAGL1	0	9.683698106	0	0.980760089
TRIM45	TRIM45	38.54209298	44.01680957	24.531323	
37.26888337					
ZDHHC7	ZDHHC7	3068.783944	2897.186406	2830.022626	
3396.372187					
TKT	TKT	6963.618691	8827.130992	4716.704376	
6628.957439					
POLD2	POLD2	10940.74602	7955.598162	8900.410008	
11001.18591					
ZNF619	ZNF619	348.9621932	296.6732965	543.0342864	
321.6893091					
CD84	CD84	2762.530556	2869.895984	3783.399042	
3835.752707					
LIM2	LIM2	9.375103698	0	10.03554123	0
IL11RA	IL11RA	162.5017974	125.0077392	90.31987104	

206.9403787				
MOGS	MOGS	3089.617508	4150.785143	3262.665959
3597.428005				
ZNF473	ZNF473	704.1744556	715.7133236	1723.882971
1032.740373				
RLIM	RLIM	1741.685932	1954.346345	2796.570822
2227.306161				
LOC100134391	LOC100134391	0	0	0
TUBA1A	TUBA1A	8995.932838	10831.6565	0.980760089
9780.139604				
C3orf52	C3orf52	313.5451348	209.5200136	277.6499739
162.8061747				
WWC3	WWC3	955.218899	1139.155032	1179.733624
1159.258425				
KAT5	KAT5	3854.209298	3174.492306	4986.548929
3773.964821				
VTI1A	VTI1A	2158.357207	1839.022304	1969.196201
1883.05937				
ELMOD1	ELMOD1	2.083356377	9.683698106	7.805420954
6.865320621				
LE01	LE01	4605.259272	3175.372643	3273.81656
3241.412093				
WRB	WRB	1934.396396	1901.526174	1407.205892
1525.081938				
PKP4	PKP4	191.6687867	590.7055845	192.9054036
191.2482173				
TTC28	TTC28	30.20866747	150.5374887	45.71746559
67.67244612				
ASCC1	ASCC1	3526.080669	3267.807943	3135.549103
3672.946532				
ZNF835	ZNF835	16.66685102	20.2477324	72.47890886
43.1534439				
MEF2B	MEF2B	66.66740408	96.83698106	132.6921562
101.0182891				
RBM14	RBM14	RBM14	7336.539483	6465.18899
6997.002355	7142.875726			
POU5F1B	POU5F1B	0	28.99156354	11.76912106
FYT1D1	FYT1D1	5412.559868	4626.166686	6955.74513
5612.889987				
TMIE	TMIE	0	0.880336191	28.99156354
26.48052239				
LOC100132057	LOC100132057	6.250069132	7.042689532	
12.2656615	16.67292151			
PIGC	PIGC	2004.188835	1705.211203	2504.425066
2144.922314				
FNDC5	FNDC5	1.041678189	7.042689532	0
6.865320621				
DPYD	DPYD	AS1	158.3350847	104.7600068
110.3909535	125.5372913			
LAMTOR4	LAMTOR4	4222.963377	4658.739125	4180.360451
4624.283818				
FSD1	FSD1	834.3842291	939.3187163	400.3065889

984.683129				
CD300A CD300A	228.1275233	149.6571525	299.9511767	
320.708549				
SPCS3 SPCS3	9674.065338	9041.052686	6618.996969	
6736.841049				
FILIP1 FILIP1	1.041678189	1.760672383	3.345180409	
2.942280266				
ATP6V0E2	ATP6V0E2	7302.164103	4765.259804	
5554.114539	4057.404487			
IFRD1 IFRD1	3265.661122	2361.061665	4342.044171	
3181.585728				
PTH2R PTH2R	17.70852921	9.683698106	1.115060136	
8.826840798				
MRPL39 MRPL39	6011.524827	4692.1919	4779.147744	
5439.295452				
NSRP1 NSRP1	1564.600639	1272.085797	2032.754628	
1426.025169				
RNF121 RNF121	832.3008728	872.4131657	709.1782467	
648.2824186				
PLCB4 PLCB4	0 2.641008574	0	0	
2-Mar 2-Mar	1078.136925	661.1324798	890.9330489	
757.1467885				
IBA57 IBA57	828.13416	488.5865862	706.9481264	
465.8610421				
CRTAM CRTAM	670.8407535	390.869269	2933.723219	
1732.022317				
SDCCAG3 SDCCAG3	519.7974162	598.6286102	699.1427054	
848.3574767				
TP53BP2 TP53BP2	2007.31387	3078.535661	3880.409274	
3493.467436				
NCAPH NCAPH	7644.876227	9250.5727	3719.840615	
6218.018962				
RCCD1 RCCD1	980.2191756	1055.523094	828.4896812	
1125.912582				
CDK11A CDK11A	1257.305574	1282.649831	1452.923358	
1166.123745				
RASA4 RASA4	159.3767629	213.0413583	188.445163	
245.1900222				
JAKMIP3 JAKMIP3	0 0	0 18.63444168		
GPR107 GPR107	1138.55426	1880.398105	834.0649819	
1084.720658				
SLC35G2 SLC35G2	290.6282146	93.31563629	476.1306782	
225.5748204				
SLC26A6 SLC26A6	1747.936001	1815.253227	732.5945095	
1185.738947				
RAB37 RAB37	2238.566428	3190.338358	593.2119925	
610.0327752				
RCN2 RCN2	4317.756092	4041.623455	3118.823201	
3076.644398				
FGD1 FGD1	202.0855686	186.6312726	399.1915288	

254.9976231					
ANKRD26	ANKRD26	764.5917905	523.8000339	413.6873106	
608.071255					
SLC4A9	SLC4A9	4.166712755	4.401680957	5.575300681	
5.884560532					
APPL2	APPL2	1136.470904	1316.982942	996.8637618	
1215.16175					
NAALADL1	NAALADL1		263.5445817	383.8265795	
200.7108245		399.1693561			
ANKRD18A	ANKRD18A		5.208390943	14.08537906	
25.64638313		68.65320621			
CDPF1	CDPF1	826.0508036	553.7314644	611.0529547	
604.1482146					
ZNF474	ZNF474	3.125034566	7.042689532	0	1.961520177
TUBA3E	TUBA3E	10.41678189	0	0	3.923040355
DMRT2	DMRT2	65.62572589	23.76907717	26.76144327	
5.884560532					
TARDBP	TARDBP	16378.30616	14126.75486	13349.49995	
15003.66784					
SHOC2	SHOC2	5030.263973	4517.885334	6071.502442	
4398.708998					
SKA3	SKA3	6309.444789	4266.98952	3358.56113	
3673.927292					
RNF103-CHMP3	RNF103-CHMP3		2468.777307	1721.057254	
3020.697909		2402.862217			
ZNF652	ZNF652	478.1302886	965.728802	1234.371571	
579.6292124					
CLP1	CLP1	2829.197961	2222.848883	2400.724473	
2292.036327					
ALKBH2	ALKBH2	812.5089872	589.8252483	1028.085446	
967.0294474					
HSD17B13	HSD17B13		20.83356377	2.641008574	0
0					
CD46	CD46	6290.694582	5333.076648	9240.503349	
7508.699239					
NACAD	NACAD	3.125034566	3.521344766	3.345180409	
7.846080709					
ALDH3B1	ALDH3B1	1.041678189	7.923025723	2.230120273	
1.961520177					
ATP1A1	ATP1A1	2550.028206	4509.081973	2943.75876	
2697.090244					
KCNE2	KCNE2	9.375103698	2.641008574	5.575300681	
6.865320621					
IFNL3	IFNL3	0	0	0.980760089	
EHHADH	EHHADH	256.2528344	446.3304491	167.2590204	
310.9009481					
SBK3	SBK3	0	1.760672383	0	0
MICU1	MICU1	2455.235491	2488.710413	2085.162455	
2374.420175					
TRIM32	TRIM32	1908.354442	1565.237748	1336.957103	

1539.793339				
SOWAHD SOWAHD	42.70880574	74.82857627	57.98312709	
39.23040355				
FBX045 FBX045	3801.083711	2942.963888	2557.947953	
2251.825164				
RIMBP3C RIMBP3C	12.50013826	10.5640343	16.72590204	
30.40356275				
SFTPA2 SFTPA2	7.291747321	0 0	0	
ZNF846 ZNF846	92.70935879	97.71731725	340.0933416	
162.8061747				
GRAPL GRAPL	2.083356377	1.760672383	13.38072164	
2.942280266				
DPEP3 DPEP3	11.45846008	6.16235334	20.07108245	
11.76912106				
ST3GAL1 ST3GAL1	6201.110257	6761.862286	5760.400664	
5274.527757				
KATNAL1 KATNAL1	1013.552878	1017.668637	588.7517519	
500.1876452				
PEAR1 PEAR1	0 0.880336191	22.30120273	0	
UQCC3 UQCC3	931.2603007	683.1408846	550.8397073	
707.1280239				
GNAT3 GNAT3	0 0	2.230120273	0	
MAZ MAZ	3120.867853	3737.907469	2939.298519	
2674.532762				
ICT1 ICT1	2527.111286	2241.335943	1846.539586	
1806.560083				
CYP2B6 CYP2B6	19.79188559	0 0	0	
PNMT PNMT	0 1.760672383	0	1.961520177	
EXOSC10 EXOSC10	10661.57626	7921.265051	7817.686615	
8416.883081				
ZNF266 ZNF266	1220.846837	1500.973206	1872.185969	
2165.518276				
NPIP3 NPIP3	232.2942361	351.2541404	244.1981698	
270.6897845				
MRPL13 MRPL13	9104.267369	8498.765592	6849.814417	
7123.260524				
SYT1 SYT1	2.083356377	0 1.115060136	0	
MRC2 MRC2	386.462608	477.1422158	199.5957644	
216.7479796				
NR2F6 NR2F6	645.840477	682.2605484	778.3119751	
1159.258425				
ALG12 ALG12	1954.188282	1849.586338	1616.837198	
1804.598563				
RWDD2A RWDD2A	252.0861217	226.2464012	296.6059962	
265.785984				
CTPS2 CTPS2	385.4209298	542.2870939	386.9258673	
627.6864567				
RPP40 RPP40	1065.636787	593.346593	882.0125678	
750.2814678				
PRKRIP1 PRKRIP1	1367.723462	1121.548308	1504.216124	

1426.025169				
LRRK1 LRRK1	11.45846008	52.82017149	4.460240545	
14.71140133				
FTSJ3 FTSJ3	9656.356809	7738.155123	6743.883704	
8799.379516				
TRIT1 TRIT1	1600.017698	1048.480404	1379.329389	
1341.679801				
FRMD3 FRMD3	0 0	230.8174482	76.49928692	
HMHA1 HMHA1	24883.60857	26692.67366	18830.02052	
20157.5621				
LINC00028	LINC00028	0	0.880336191	5.575300681
0				
LOC101928837	LOC101928837	0	0	2.942280266
LOC100132356	LOC100132356	77.08418596	49.29882672	
197.3656441	105.9220896			
LRIT3 LRIT3	1.041678189	0	0	0
ZFP69 ZFP69	205.2106032	242.9727888	352.3590031	
498.226125				
MED27 MED27	4224.005055	3307.423071	3105.44248	
3133.528483				
DLD DLD	14801.20538	11024.45013	9315.212378	
11380.74007				
NDUFAF3 NDUFAF3	5774.0222	5566.365738	4552.790536	
4445.785482				
MKNK1 MKNK1	3215.660569	2148.900643	1827.583563	
1841.867447				
PTHLH PTHLH	30.20866747	13.20504287	43.48734531	
8.826840798				
MKNK2 MKNK2	1551.058823	3935.983112	1568.889612	
1776.156521				
MYH10 MYH10	1854.187176	1957.86769	925.4999131	
1301.468638				
LNPEP LNPEP	2826.072926	2780.101693	3969.614085	
3055.067676				
RNF182 RNF182	0 1.760672383	0	0	
ABRACL ABRACL	11664.71236	12045.64011	7893.510705	
8369.806597				
RBM25 RBM25	5905.273652	5867.440716	6148.441591	
5794.330604				
OTOF OTOF	222.9191324	250.8958146	104.8156528	
191.2482173				
AKNA AKNA	1773.977955	4573.346515	1753.989594	
1941.904976				
SMOC1 SMOC1	0 0	0	1.961520177	
C9orf163	C9orf163	9.375103698	8.803361914	
6.690360818	6.865320621			
MCOLN1 MCOLN1	813.5506654	756.2087884	858.5963049	
647.3016585				
SRPR SRPR	17034.56342	15635.6511	15229.49134	
16188.42602				

B3GNT4	B3GNT4	0	6.16235334	14.49578177	11.76912106
PET117	PET117	1375.015209	1208.701591	1170.813143	
1089.624459					
NEK1	NEK1	1516.683443	963.9681296	1253.327593	
1053.336335					
PTAFR	PTAFR	20.83356377	18.48706002	42.37228518	
30.40356275					
MPPED2	MPPED2	0	7.042689532	0	12.74988115
SFRP5	SFRP5	0	0	8.92048109	1.961520177
DCDC1	DCDC1	2.083356377	0	0	0.980760089
LOC101928295	LOC101928295	0	4.401680957	13.38072164	
7.846080709					
SLC9A3R2	SLC9A3R2		11.45846008	14.96571525	
23.41626286	19.61520177				
DLL1	DLL1	5.208390943	1.760672383	129.3469758	
61.78788559					
PPIL4	PPIL4	2007.31387	1419.101941	2746.393116	
2211.614					
ARL4D	ARL4D	422.9213446	159.3408507	191.7903434	
134.3641321					
TEK	TEK	0	0	0.980760089	
HNF1B	HNF1B	145.8349464	165.503204	13.38072164	
30.40356275					
SMTNL2	SMTNL2	1.041678189	7.042689532	0	0
DUOXA1	DUOXA1	0	0	10.78836098	
NNT	NNT	8421.968156	11351.05485	5498.361532	
8127.558855					
WDR60	WDR60	314.586813	288.7502708	422.6077916	
409.9577171					
PSPH	PSPH	1116.679018	978.9338449	984.5981003	
974.8755281					
CRYGS	CRYGS	8.33342551	13.20504287	14.49578177	
15.69216142					
XAF1	XAF1	8218.840909	3724.702426	10072.33821	
4130.961493					
BEX1	BEX1	3.125034566	11.44437049	34.56686422	
20.59596186					
DBNDD2	DBNDD2	277.0863982	194.5542983	738.1698102	
531.5719681					
C14orf182	C14orf182		200.0022122	145.2554716	
383.5806869	730.6662661				
NAA30	NAA30	3723.999525	2695.589418	2697.33047	
2417.573619					
ITGA7	ITGA7	27.08363291	38.73479242	35.68192436	
45.11496408					
C15orf65	C15orf65		0	0.880336191	6.690360818
9.807600887					
DEXI	DEXI	1094.803776	1067.8478	1630.217919	
1377.967925					
PYGM	PYGM	38.54209298	26.41008574	65.78854804	

37.26888337						
WDR75	WDR75	6710.490892	4885.865862	7203.28848		
7646.005651						
EID2B	EID2B	138.5431991	198.0756431	138.2674569		
154.960094						
SALL2	SALL2	15.62517283	75.70891246	62.44336763		
86.3068878						
ZNF761	ZNF761	1325.014656	1380.367148	1908.982953		
1665.330631						
SNORD21	SNORD21	1.041678189	5.282017149	4.460240545		
1.961520177						
CEP290	CEP290	390.6293208	478.9028881	540.8041661		
434.4767193						
C11orf48	C11orf48		6145.901313	4987.984861		
4704.438715		4825.339636				
ST7L	ST7L	446.879943	305.4766584	632.2390973		
477.6301632						
DSCC1	DSCC1	2260.441669	2254.540986	1043.696288		
1501.543696						
GSK3B	GSK3B	1326.056334	1922.654242	1094.989054		
1250.469113						
RPS5	RPS5	13388.68976	13135.49631	14960.76185		
12926.41797						
TMEM67	TMEM67	289.5865365	198.0756431	330.0578003		
372.6888337						
DYM	DYM	2570.86177	2106.644506	2392.919052		
2491.130625						
CIPC	CIPC	1098.970489	1064.326455	1334.726983		
1153.373864						
MPV17L2	MPV17L2	2267.733417	1273.846469	1804.1673		
1362.275763						
FUT10	FUT10	414.5879191	307.2373308	245.31323		
492.3415645						
ZNF687	ZNF687	109.3762098	242.0924526	260.9240719		
195.1712576						
FAM167B	FAM167B	1.041678189	8.803361914	12.2656615		0
DMRT1	DMRT1	0	0.880336191	0		0
ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3	8245.924542	7901.017318			
10542.89359		9955.69566				
1-Mar	1-Mar	0	0	2.942280266		
METTL20	METTL20	62.50069132	44.01680957	161.6837198		
81.40308736						
DLX3	DLX3	0	0	2.230120273		3.923040355
DDOST	DDOST	23053.37999	17729.09056	18033.86758		
17476.16402						
PPME1	PPME1	3811.500492	2926.2375	3476.757505		
4690.975504						
ZNF736	ZNF736	185.4187176	628.5600407	573.14091		
394.2655556						
ZNF407	ZNF407	654.1739025	1041.437714	926.6149732		

835.6075955				
IFITM10	IFITM10	14.58349464	63.38420578	3.345180409
83.36460754				
ZFAND1	ZFAND1	1379.181922	1128.590997	1809.742601
1370.121844				
ERICH5	ERICH5	13.54181645	3.521344766	14.49578177
20.59596186				
IQCG	IQCG	709.3828465	985.9765344	1548.818529
2920.703544				
SDSL	SDSL	12.50013826	12.32470668	1.115060136
9.807600887				
TAS2R60	TAS2R60	0	0	2.942280266
0				
SLC36A1	SLC36A1	333.3370204	497.3899482	477.2457383
454.0919211				
ARID4A	ARID4A	1931.271362	1532.665309	2824.447325
2095.884309				
CALR3	CALR3	12.50013826	11.44437049	18.95602232
4.903800443				
NEIL2	NEIL2	783.3419979	797.5845894	1235.486631
1184.758187				
OLFM2	OLFM2	104.1678189	58.98252483	95.89517172
65.71092594				
SNRPN	SNRPN	4609.425985	4796.071571	9073.244329
6868.262901				
NMNAT1	NMNAT1	720.8413066	610.9533169	919.9246124
722.8201853				
ARV1	ARV1	1486.474775	1215.74428	1381.559509
1565.293102				
VPS29	VPS29	8352.175717	8396.646594	5839.569934
6868.262901				
PARD3B	PARD3B	9.375103698	6.16235334	2.230120273
3.923040355				
DLG3	DLG3	1656.26832	2263.344348	797.2679974
1267.142035				
FBX041	FBX041	226.0441669	662.012816	323.3674395
489.3992842				
KIAA0368	KIAA0368		5492.769089	5778.526761
5419.192262	5693.312315			
CBX1	CBX1	1493.766523	2038.858619	1311.31072
1378.948685				
SLC35F2	SLC35F2	4707.343735	3627.865445	3342.950289
3204.14321				
SLC37A1	SLC37A1	161.4601192	468.3388538	1140.706519
745.3776674				
AGAP5	AGAP5	71.87579502	90.67462772	126.0017954
76.49928692				
LIPN	LIPN	15.62517283	7.042689532	0
				7.846080709
RAD21	RAD21	18890.83395	25354.56265	14553.7649
13304.0106				
ZBED4	ZBED4	1516.683443	3302.141054	1343.647464

1563.331581				
LMNA	LMNA	8302.175164	2685.025384	9554.950308
5345.142483				
ZNF155	ZNF155	207.2939596	345.091787	304.4114172
506.0722058				
NPHP3-ACAD11	NPHP3-ACAD11		896.8849205	907.6266134
1122.865557		1696.714953		
LOC653160	LOC653160		32.29202385	38.73479242
33.45180409		73.55700665		
PRLR	PRLR	3.125034566	0	14.49578177
STX16	STX16	4690.676884	5075.138144	3583.803278
5003.837972				
CREB3L3	CREB3L3	270.8363291	29.05109432	23.41626286
20.59596186				
SKA1	SKA1	4516.716626	4450.979784	2266.917257
2839.300457				
FUK	FUK	677.0908227	860.9687952	349.0138227
833.6460754				
RASA2	RASA2	2667.737841	2692.068073	3007.317188
3357.141784				
SPINK13	SPINK13	1.041678189	4.401680957	0
PMEL	PMEL	38.54209298	86.27294676	0.980760089
76.49928692				63.55842777
PVR	PVR	648.9655116	613.5943254	538.5740458
495.2838448				
HEPACAM2	HEPACAM2		3.125034566	3.521344766
1.115060136		0.980760089		
FABP6	FABP6	0	0.880336191	0
C1orf101	C1orf101		13.54181645	16.72638764
14.49578177		25.49976231		
FRG2B	FRG2B	0	0	4.903800443
UNKL	UNKL	789.592067	924.353001	1023.625205
1016.067452				
GTF3C2	GTF3C2	8625.095402	6659.743288	6490.765053
7379.238907				
CYBRD1	CYBRD1	193.7521431	168.1442126	56.86806695
149.0755335				
PRMT7	PRMT7	3621.915062	2411.240828	2691.755169
3132.547723				
PAPSS1	PAPSS1	5101.09809	3713.258055	3234.789455
3656.273611				
MMACHC	MMACHC	1005.219452	813.4306409	769.391494
670.8399006				
MON2	MON2	2617.737288	3291.57702	2923.687677
2787.320172				
PIK3R1	PIK3R1	3150.034843	2771.298331	5024.460974
4140.769094				
RBMX	RBMX	19558.54967	15415.56705	17875.52904
18789.40178				
FKBP9	FKBP9	12.50013826	33.45277527	14.49578177

19.61520177					
LINC00526	LINC00526		123.9597045	202.477324	
227.4722678	217.7287397				
RAB33B RAB33B	550.0060836		608.3123083	1100.564354	
735.5700665					
BCL11B BCL11B	488.5470705		1114.505618	828.4896812	
656.1284993					
ATP13A1 ATP13A1	8344.88397		8066.520522	6350.267476	
7838.234629					
BCL2L10 BCL2L10	4.166712755		2.641008574	17.84096218	0
VTCN1 VTCN1	1.041678189		0 0	0.980760089	
ZBTB34 ZBTB34	154.1683719		323.0833823	333.4029807	
239.3054616					
N4BP2L1 N4BP2L1	726.0496975		676.098195	1709.387189	
1273.026595					
SLC22A23	SLC22A23		43.75048393	75.70891246	
168.3740806	162.8061747				
PSMG3 PSMG3	1722.935724		1631.262963	1370.408907	
1603.542745					
ALS2 ALS2	943.760439		1007.104603	987.9432807	
1189.661988					
CCNJ CCNJ	697.9243864		637.3634026	655.6553601	
648.2824186					
ZNF280A ZNF280A	2.083356377		0 0	0	
FAM204A FAM204A	2440.651996		2121.610221	2712.941312	
2149.826114					
SCRN2 SCRN2	868.7596094		1198.137557	667.9210216	
1560.389301					
MND1 MND1	773.9668942		728.0380303	499.546941	
643.3786182					
ATP8B1 ATP8B1	43.75048393		78.34992104	97.01023186	
95.1337286					
ZDHHC9 ZDHHC9	635.4236951		510.594991	690.2222243	
771.8581898					
C9orf43 C9orf43	55.208944		23.76907717	92.54999131	
22.55748204					
GCSAM GCSAM	239.5859834		501.7916291	1275.628796	
815.0116337					
HFM1 HFM1	0 0.880336191		0	1.961520177	
TRIM41 TRIM41	97.91774974		220.9643841	82.51445008	
106.9028497					
ZNF564 ZNF564	844.801011		784.3795466	1827.583563	
1253.411393					
DENND5B DENND5B	7.291747321		21.12806859	0 24.51900222	
ZNF470 ZNF470	209.3773159		183.990264	611.0529547	
423.6883583					
CD79B CD79B	2090.648125		1309.059917	900.9685901	
1325.00688					
SMIM1 SMIM1	3.125034566		8.803361914	4.460240545	
15.69216142					

CCDC85B	CCDC85B	2727.113498	2317.044856	2099.658237	
2549.976231					
DTX4	DTX4	0	6.16235334	20.07108245	11.76912106
NR2C2	NR2C2	1209.388377	2283.592081	2030.524508	
1853.636568					
RAB3IL1	RAB3IL1	0	0	4.460240545	2.942280266
UROD	UROD	4782.344564	3821.539407	4469.161026	
5357.892364					
EPB41	EPB41	2016.688973	5668.484737	4582.89716	
4027.981684					
LBX2	LBX2	22.91692015	31.69210289	1.115060136	
12.74988115					
STIM1	STIM1	1943.7715	4868.259139	1958.045599	
2435.2273					
ROR2	ROR2	89.58432423	233.2890907	0	52.96104479
NRTN	NRTN	5.208390943	11.44437049	12.2656615	
34.3266031					
GANAB	GANAB	16093.92802	21339.34928	13159.93973	
14824.18874					
NBPF20	NBPF20	50.00055306	79.23025723	160.5686596	
103.9605694					
ZNF890P	ZNF890P	3.125034566	19.36739621	0	18.63444168
APOL1	APOL1	4187.546319	2626.042859	6234.301222	
3959.328478					
ZAR1L	ZAR1L	0	2.641008574	0	0
RAD21L1	RAD21L1	0	5.282017149	25.64638313	0
ACOXL	ACOXL	38.54209298	24.64941336	88.08975076	
25.49976231					
SARS2	SARS2	2119.815114	1868.073398	1123.980617	
1516.255097					
KAT6B	KAT6B	1241.680401	1614.536575	2690.640109	
2017.423502					
CRKL	CRKL	8384.467741	8524.295342	8843.541941	
8467.882606					
CRK	CRK	2176.065736	1834.620623	2522.266028	
2331.266731					
HSPA1A	HSPA1A	0	264.1008574	0	276.574345
PSG6	PSG6	0	0	5.575300681	0
SYNJ1	SYNJ1	843.7593328	1457.836733	1293.469758	
801.2809924					
CXADR	CXADR	72.91747321	75.70891246	82.51445008	
54.92256497					
TMEM191C	TMEM191C	0	3.521344766	14.49578177	
6.865320621					
CLASP1	CLASP1	2627.112392	5464.24674	3269.35632	
3347.334183					
CRABP2	CRABP2	4.166712755	8.803361914	5.575300681	
12.74988115					
FGFBP2	FGFBP2	15.62517283	115.3240411	60.21324736	
84.34536763					

ABCG5	ABCG5	0	1.760672383	6.690360818	2.942280266
HINT3	HINT3	1233.346975	922.5923286	1693.776347	
		1326.9684			
VWA3A	VWA3A	0	4.401680957	12.2656615	1.961520177
DIP2B	DIP2B	1718.769011	3948.307819	2711.826251	
		3359.103304			
ABHD8	ABHD8	509.3806343	922.5923286	477.2457383	
		685.551302			
ATP13A3	ATP13A3	5424.018329	10043.75561	3791.204463	
		4110.365532			
WFDC12	WFDC12	0	0	2.230120273	0
SPSB4	SPSB4	2.083356377	0	0	0
CCNO	CCNO	6.250069132	7.923025723	5.575300681	
		7.846080709			
MST1	MST1	20.83356377	44.01680957	64.6734879	
		70.61472638			
UBR5	UBR5	1598.97602	5244.162692	2806.606363	
		2560.764592			
SNORA26	SNORA26	19.79188559	7.923025723	34.56686422	
		36.28812328			
KCNH2	KCNH2	14.58349464	47.53815434	7.805420954	
		16.67292151			
HYAL2	HYAL2	1172.92964	922.5923286	769.391494	
		1061.182416			
LIN54	LIN54	1945.854856	2599.632773	2603.665418	
		2198.864119			
PRSS37	PRSS37	1.041678189	0	10.03554123	0
ESRRA	ESRRA	4274.005608	3331.192148	4539.409815	
		3878.906151			
PARP6	PARP6	1385.431991	1329.307649	3263.781019	
		2103.73039			
CSNK2A1	CSNK2A1	8195.923989	6736.332537	6616.766849	
		7083.04936			
MIPEPP3	MIPEPP3	368.7540788	356.5361575	309.9867179	
		303.0548674			
HTATSF1P2	HTATSF1P2		541.6726581	230.6480822	
		327.8276801	242.2477419		
BBS4	BBS4	1412.515624	954.2844315	1322.461322	
		1231.834671			
RHPN1-AS1	RHPN1-AS1		27.08363291	22.00840479	
		70.24878858	31.38432284		
HEBP2	HEBP2	2675.029589	2993.143051	1797.47694	
		2233.190722			
SLC18A2	SLC18A2	100.0011061	101.238662	123.7716751	
		77.480047			
RCN1	RCN1	1939.604787	1598.690524	2129.76486	
		1957.597137			
SDHB	SDHB	11962.63232	8923.967973	9063.208788	
		9172.068349			
PIAS3	PIAS3	1726.060759	2040.619292	2327.130504	

2444.054141				
RASA1	RASA1	2148.982103	2598.752437	2099.658237
1865.405689				
ZNF491	ZNF491	6.250069132	16.72638764	5.575300681
36.28812328				
HERC4	HERC4	2501.069331	2405.958811	2667.223846
2842.242737				
NCF4	NCF4	4032.336268	3302.141054	1311.31072
1711.426355				
ISY1	ISY1	5429.226719	4391.116923	4384.416456
4141.749854				
PIPOX	PIPOX	1.041678189	16.72638764	45.71746559
33.34584301				
TTC9	TTC9	678.1325008	359.1771661	1082.723392
435.4574794				
NANS	NANS	4694.843596	3678.044608	2649.382884
2795.166253				
CDAN1	CDAN1	1242.722079	1796.766167	1289.009518
1470.159373				
GIMAP8	GIMAP8	2290.650337	2817.956149	3032.963571
2614.706396				
SIGLEC12	SIGLEC12		3.125034566	0 3.345180409
0				
ZCWPW1	ZCWPW1	89.58432423	62.50386959	458.289716
241.2669818				
PRUNE	PRUNE	2484.40248	2008.927189	3530.280391
2491.130625				
C10TNF6	C10TNF6	35.41705842	55.46118006	46.83252572
63.74940576				
C19orf12	C19orf12		3034.408564	3066.210955
2368.387729	2445.034901			
C18orf21	C18orf21		698.9660646	634.722394
650.0800594	535.4950084			
DDX55	DDX55	2600.028759	1948.183992	2654.958184
2582.341313				
ZNFX1	ZNFX1	11702.21277	9028.727979	20459.12338
12410.53816				
CCDC69	CCDC69	6515.69707	8043.631781	6549.86324
6577.957915				
PRPF31	PRPF31	9832.400423	6864.861621	6949.054769
7628.35197				
LDLRAP1	LDLRAP1	1802.103266	1858.3897	3791.204463
2814.781454				
LRMP	LRMP	985.4275665	2487.830077	1906.752833
2537.226349				
PRDM10	PRDM10	640.632086	767.6531589	831.8348617
764.9928692				
TMEM206	TMEM206	1413.557302	841.601399	1037.005927
888.5686403				
SPATA17	SPATA17	2.083356377	0 0	1.961520177

ZNF701	ZNF701	915.6351279	958.6861125	1140.706519	
1226.930871					
WDR12	WDR12	5100.056412	3402.49938	4638.650167	
4663.514222					
GINM1	GINM1	1369.806818	1270.325124	1523.172146	
1350.506642					
NHLRC2	NHLRC2	1493.766523	1455.195724	1154.087241	
1027.836573					
ACSF3	ACSF3	1931.271362	2210.524177	1786.326338	
2256.728964					
SETBP1	SETBP1	79.16754234	157.5801783	20.07108245	
108.8643698					
KLC1	KLC1	6563.614267	5960.756352	5575.300681	
5795.311364					
ATP5S	ATP5S	209.3773159	423.4417081	266.4993726	
310.9009481					
GBA	GBA	4225.046733	3299.500046	2521.150968	
2716.705446					
H00K3	H00K3	1987.521984	2404.198139	1825.353443	
1891.886211					
CHMP4B	CHMP4B	181.2520048	389.1085966	236.3927489	
238.3247015					
MOCS2	MOCS2	2259.399991	2110.165851	1962.50584	
1823.233005					
LOXL3	LOXL3	1583.350847	1542.349007	1174.158323	
1299.507117					
MBNL1-AS1	MBNL1-AS1		586.4648202	706.9099617	
870.8619664	764.9928692				
LINC01433	LINC01433		3.125034566	0	0
3.923040355					
TMX2	TMX2	10196.98779	6179.079728	9621.853916	
8269.769068					
BCL7A	BCL7A	103.1261407	439.2877595	120.4264947	
260.8821836					
SIRT1	SIRT1	2185.44084	1872.475079	2734.127454	
1751.637518					
TTK	TTK	4979.221742	4423.689362	2389.573872	
3514.063398					
KCNJ13	KCNJ13	26.04195472	35.21344766	31.22168382	
32.36508293					
PXMP4	PXMP4	1194.804882	1102.180912	675.7264426	
753.2237481					
RRH	RRH	10.41678189	1.760672383	2.230120273	0
ISL1	ISL1	0	7.042689532	0	0.980760089
WFDC2	WFDC2	19.79188559	18.48706002	2.230120273	
0.980760089					
LASP1	LASP1	6872.992689	12740.22536	6078.192803	
7279.201378					
CRHR1-IT1	CRHR1-IT1		62.50069132	25.52974955	
74.70902913	39.23040355				

SMC5-AS1	SMC5-AS1	15.62517283	23.76907717	
41.25722504	28.44204257			
TNFRSF8 TNFRSF8	2069.814561	2281.831408	2503.310006	
3829.868146				
MIR210 MIR210	0 4.401680957	0	0	
C1QTNF8 C1QTNF8	4.166712755	3.521344766	5.575300681	
1.961520177				
JMJD1C JMJD1C	2426.068501	3347.0382	4165.864669	
3539.56316				
RPL23AP82	RPL23AP82	488.5470705	326.604727	
628.8939169	537.4565286			
FBX05 FBX05	4711.510447	4457.142137	2071.781733	
2460.727062				
THAP5 THAP5	428.1297356	1378.606476	721.4439082	
1247.526833				
C16orf95	C16orf95	282.2947891	441.9287681	
127.1168555	306.9779078			
REV3L REV3L	1738.560897	1821.41558	2356.122068	
1850.694287				
MANBAL MANBAL	914.5934497	805.5076152	1090.528813	
907.203082				
NDP NDP	1.041678189	0 10.03554123	0	
SLC17A2 SLC17A2	0 0	0 9.807600887		
CUBN CUBN	15.62517283	18.48706002	25.64638313	
4.903800443				
RPS11 RPS11	11213.6657	13543.09197	14496.89683	
12991.14813				
ANKH ANKH	2665.654485	3709.736711	2735.242514	
3779.849382				
FOXD4L1 FOXD4L1	0 3.521344766	0	0.980760089	
FOXB1 FOXB1	41.66712755	198.9559793	2.230120273	
42.17268381				
RNF115 RNF115	2244.816497	1941.141302	2299.254001	
1882.07861				
CDC42BPA	CDC42BPA	42.70880574	141.7341268	
37.91204463	45.11496408			
LOC388553	LOC388553	0 2.641008574	0	0
S0CS2-AS1	S0CS2-AS1	35.41705842	11.44437049	
37.91204463	10.78836098			
MIR210HG	MIR210HG	13.54181645	100.3583258	
85.85963049	253.0361029			
NSFL1C NSFL1C	5053.180893	3043.322214	5051.222417	
3872.04083				
MRPL42 MRPL42	8295.925095	6236.30158	6375.913859	
5694.293075				
ZNF343 ZNF343	882.3014258	738.6020646	970.1023186	
756.1660284				
AKR1C3 AKR1C3	393.7543553	573.0988606	103.7005927	
185.3636568				
TMEM89 TMEM89	1.041678189	0.880336191	1.115060136	0

ANKZF1 ANKZF1	3021.908425	3155.12491	2951.564181	
4720.398307				
TMEM120B	TMEM120B	7452.165762	7158.013573	
6795.17647	8728.764789			
LAMA2 LAMA2	44.79216211	57.22185244	36.7969845	
53.94180488				
SPATA2 SPATA2	1636.476434	1579.323127	1338.072164	
1379.929445				
GATB GATB	2153.148816	1677.040445	1551.04865	
1977.212339				
SLC38A10	SLC38A10	6315.694858	6661.503961	
4575.091739	5950.271458			
GPR89A GPR89A	717.716272	574.859533	714.7535473	
589.4368133				
NFKBIE NFKBIE	3671.915615	2213.165185	2536.76181	
2972.683829				
TP53BP1 TP53BP1	3014.616678	4137.5801	2890.235873	
3869.09855				
NOC2L NOC2L	13223.06293	7756.642183	10104.67495	
10087.11751				
MLLT6 MLLT6	590.631533	1552.032706	1097.219174	
880.7225596				
DHRS11 DHRS11	613.5484531	420.8006995	422.6077916	
520.7836071				
TNFRSF6B	TNFRSF6B	13.54181645	22.88874098	
6.690360818	27.46128248			
NR5A2 NR5A2	53.12558762	191.0329535	2.230120273	
56.88408514				
RIPK2 RIPK2	377.0875043	288.7502708	2483.238923	
950.3565259				
CDS2 CDS2	6002.149723	4781.986192	5537.388637	
4797.878354				
TMEM238 TMEM238	27.08363291	61.6235334	15.61084191	
37.26888337				
PCID2 PCID2	6139.651244	5020.5573	4269.565262	
4791.993793				
BNIP3L BNIP3L	1835.436968	3258.124245	3991.915288	
6023.828465				
PIK3C3 PIK3C3	2586.486943	2005.405844	2678.374447	
2649.032999				
RAB31 RAB31	356.2539405	285.228926	99.24035213	
101.9990492				
FAN1 FAN1	1167.72125	1313.461598	1850.999826	
1884.04013				
SRP19 SRP19	5944.857423	4796.951907	5053.452538	
4202.55698				
MIR6865 MIR6865	3.125034566	4.401680957	1.115060136	0
PAOX PAOX	222.9191324	202.477324	249.7734705	
400.1501162				
PLEKHA3 PLEKHA3	1395.848773	1465.759759	2052.825711	

1409.352247						
NDUFC2	NDUFC2	8703.221267		7854.3595		5372.359737
5450.083813						
OR1G1	OR1G1	0	0	0	4.903800443	
HEY2	HEY2	0	0	45.71746559		6.865320621
HEY1	HEY1	53.12558762		11.44437049		12.2656615
6.865320621						
ANKRD39	ANKRD39	3128.159601		1887.440794		1188.654105
1392.679326						
OVOL3	OVOL3	4.166712755		19.36739621		16.72590204
10.78836098						
DRICH1	DRICH1	4.166712755		7.923025723		5.575300681
10.78836098						
EVA1C	EVA1C	76.04250777		125.0077392		274.3047935
268.7282643						
RDH13	RDH13	1210.430055		773.8155123		1033.660746
1124.931822						
TMEM38B	TMEM38B	1342.723185		796.7042533		2052.825711
1399.544647						
SHKBP1	SHKBP1	9954.276771		10217.18184		6146.211471
8152.077857						
DCBLD2	DCBLD2	172.9185793		272.0238832		275.4198537
126.5180514						
MRPL52	MRPL52	3796.916998		3562.720567		2838.943107
2763.78193						
GPR62	GPR62	3.125034566		9.683698106		1.115060136
13.73064124						
RLN3	RLN3	2.083356377		0	7.805420954	10.78836098
ASB16	ASB16	267.7112945		311.6390118		201.8258847
330.5161499						
UPK3A	UPK3A	2.083356377		0	0	0
UPK1B	UPK1B	2.083356377		2.641008574		5.575300681
7.846080709						
FAF1	FAF1	4355.256507		3839.146131		3633.980984
4159.403536						
SNORD116-28	SNORD116-28			0	0.880336191	0
SNORD116-29	SNORD116-29			0	0	1.115060136
ADAP1	ADAP1	711.4662029		715.7133236		781.6571555
1119.047261						
LOC100240735	LOC100240735			38.54209298		43.13647338
36.7969845	20.59596186					
AP4B1-AS1	AP4B1-AS1			1333.348082		1220.145961
1048.156528	1307.353198					
KDM3A	KDM3A	2618.778966		2970.25431		4811.484488
4668.418022						
TRIM17	TRIM17	11.45846008		27.29042193		25.64638313
12.74988115						
NCOA3	NCOA3	13598.06708		15598.67698		14713.2185
11791.67855						
SNAPIN	SNAPIN	4328.172874		3075.894653		3326.224386

3169.816607				
ZC3H3	ZC3H3	1535.43365	2058.226016	1620.182378
1589.812104				
DCTN6	DCTN6	2346.900959	2233.412918	2433.061217
2224.363881				
DCUN1D4	DCUN1D4	1440.640935	1474.563121	2076.241974
1761.445119				
RITA1	RITA1	2889.615295	2224.609556	2131.994981
2450.919462				
PTPN11	PTPN11	8278.216566	10203.97679	5577.530802
7611.679048				
TSLP	TSLP	2.083356377	14.96571525	24.531323
6.865320621				
GOLGA2P10	GOLGA2P10		2.083356377	0.880336191
3.345180409	0.980760089			
ALDH1L1-AS2	ALDH1L1-AS2		0	0
ACCS	ACCS	207.2939596	333.6474166	201.8258847
281.4781454				
ACP5	ACP5	344.7954805	788.7812275	273.1897334
283.4396656				
KARS	KARS	26306.54098	17562.70702	25006.33862
21874.87302				
POLR2D	POLR2D	6282.361156	4879.703509	5379.050097
5398.103528				
SOCS3	SOCS3	2923.990676	6531.214204	5691.266935
7096.780002				
CAPN5	CAPN5	35.41705842	33.45277527	57.98312709
66.69168603				
ANXA3	ANXA3	264.5862599	66.02521436	46.83252572
13.73064124				
SLAMF1	SLAMF1	8755.305176	6046.148963	5048.992297
6954.569789				
CDKN1B	CDKN1B	252.0861217	746.5250903	420.3776714
241.2669818				
BEST1	BEST1	185.4187176	100.3583258	139.382517
73.55700665				
CA8	CA8	38.54209298	11.44437049	3.345180409
12.74988115				
XRCC6BP1	XRCC6BP1		859.3845057	958.6861125
715.8686075	746.3584275			
XP06	XP06	2223.982933	6257.429649	4509.303191
3798.483823				
PDLIM2	PDLIM2	1984.396949	1092.497214	1401.630591
2039.000224				
SS18L2	SS18L2	3663.58219	3815.377054	3868.143613
3399.314467				
GPR15	GPR15	4404.215382	2582.906386	1150.742061
800.3002324				
GPR3	GPR3	66.66740408	22.00840479	53.52288654
85.32612771				

SLC39A6	SLC39A6	5131.306758	5392.939509	5686.806695	
5566.794263					
GLUD1	GLUD1	14269.94951	12162.72482	10948.77548	
12161.4251					
INSRR	INSRR	5.208390943	0.880336191	0	10.78836098
ZBTB40	ZBTB40	1015.636234	1706.971875	1842.079345	
1558.427781					
SH3BP5	SH3BP5	4796.928059	5343.640682	1817.548022	
2161.595235					
MCM2	MCM2	28340.93848	27142.52545	16331.17076	
24455.25281					
LOC100507250	LOC100507250		63.54236951	39.61512861	
56.86806695	55.90332505				
LOC642361	LOC642361		260.4195472	230.6480822	
220.781907	183.4021366				
LOC493754	LOC493754		955.218899	838.0800542	
1203.149887	1153.373864				
LOC100287010	LOC100287010		0	0.880336191	0
HYAL3	HYAL3	965.6356809	581.0218863	521.8481438	0
575.706172					
C6orf203	C6orf203		891.6765295	576.6202054	
896.5083496	749.3007077				
IGFALS	IGFALS	4.166712755	5.282017149	2.230120273	0
ABCB10	ABCB10	4722.968908	4021.375722	3232.559335	
2883.434661					
IQCC	IQCC	441.671552	386.467588	405.8818896	
364.842753					
SNORD88A	SNORD88A		1.041678189	4.401680957	0
1.961520177					
CTIF	CTIF	5.208390943	21.12806859	3.345180409	
17.6536816					
LY75-CD302	LY75-CD302		2009.397226	2643.649583	
4518.223672	4252.575744				
HBS1L	HBS1L	12283.4692	13625.84357	8069.690206	
10667.72748					
ZNF697	ZNF697	1.041678189	1.760672383	0	11.76912106
FOLR2	FOLR2	0	0.880336191	0	1.961520177
NDUFS3	NDUFS3	4261.50547	3769.599572	2853.438889	
2849.108058					
NDUFS2	NDUFS2	18043.94958	10641.50388	11310.05496	
11715.17926					
CDC42EP2	CDC42EP2		89.58432423	55.46118006	
138.2674569	95.1337286				
WNT11	WNT11	2.083356377	0	1.115060136	26.48052239
SKI	SKI	59.37565676	151.4178249	46.83252572	
52.96104479					
RBL2	RBL2	11719.9213	12236.67306	12070.52598	
12965.64837					
GSTP1	GSTP1	23805.47165	16038.84507	15478.14975	
13346.18329					

BCKDK	BCKDK	3775.041756	3429.789802	3039.653931
3917.155794				
L3MBTL3	L3MBTL3	326.0452731	470.0995262	630.008977
409.9577171				
MAPK1IP1L	MAPK1IP1L		12970.97681	13680.42441
10992.26282		12252.63579		
RHOG	RHOG	11055.33062	9262.897406	6490.765053
8505.151489				
VWA5A	VWA5A	1345.84822	1386.529502	934.4203942
1387.775525				
PTK2B	PTK2B	7869.878716	7909.82068	7346.016178
6991.838672				
IL36RN	IL36RN	0	0	5.884560532
0		0		
ING3	ING3	2848.989846	2699.991099	1815.317902
1802.637043				
HOXB6	HOXB6	16.66685102	30.8117667	22.30120273
13.73064124				
UFSP2	UFSP2	1875.02074	1845.184657	2356.122068
2516.630388				
TMEM74B	TMEM74B	2.083356377	10.5640343	4.460240545
5.884560532				
MIS18BP1	MIS18BP1		3347.953698	3944.786474
2394.034113		2976.606869		
CCDC92	CCDC92	1098.970489	1096.018558	1572.234792
1822.252245				
PROSER1	PROSER1	6522.988818	7208.192735	5773.781386
5976.75198				
MED21	MED21	2014.605617	2028.294585	2527.841329
1605.504265				
FAM8A1	FAM8A1	515.6307034	846.00308	919.9246124
558.0524905				
ATP5L	ATP5L	14055.3638	17829.44889	11273.25798
10854.0719				
CDH1	CDH1	216.6690632	355.6558213	206.2861252
539.4180488				
RFXANK	RFXANK	2888.573617	2873.417329	1803.05224
2398.939177				
CD7	CD7	1184.388101	3993.204964	1436.197456
3737.676698				
WIF1	WIF1	1.041678189	0.880336191	0
				10.78836098
VPS26B	VPS26B	4312.547701	4418.407345	3306.153304
3335.565062				
LOC100129361	LOC100129361		1944.813178	1589.887162
1891.141991		1704.561034		
TARS2	TARS2	5028.180617	4090.922282	4092.2707
4889.089042				
MST01	MST01	2780.239086	1603.092205	2565.753374
2801.050813				
C11orf71	C11orf71		378.1291825	376.7838899
557.5300681		467.8225623		

PLEKHG5	PLEKHG5	560.4228655	275.5452279	408.1120099	
403.0923964					
KCNA6	KCNA6	81.25089872	279.9469089	57.98312709	
132.402612					
ITPR1	ITPR1	2911.490537	4011.692024	2658.303365	
2814.781454					
LINC01337	LINC01337		12.50013826	5.282017149	
11.15060136	5.884560532				
MPZL1	MPZL1	2545.861493	2184.114091	1782.981158	
2164.537516					
VAPB	VAPB	2422.943467	2648.9316	2638.232282	
2789.281692					
CEP85	CEP85	3482.330185	3201.782728	2755.313597	
2776.531811					
PLCG1-AS1	PLCG1-AS1		446.879943	664.6538245	
432.6433329	490.3800443				
RPN2	RPN2	29469.07596	19130.58578	21665.61845	
17943.98658					
RPL32	RPL32	9425.104251	12594.96989	14990.86847	
13195.14623					
ZNF814	ZNF814	270.8363291	393.5102776	284.3403347	
448.2073605					
UBE2E4P	UBE2E4P	1.041678189	0.880336191	1.115060136	
1.961520177					
GALNT9	GALNT9	0	8.92048109	0	
MAST4	MAST4	2563.570022	4035.461102	1566.659491	
2141.980034					
RALY-AS1	RALY-AS1		53.12558762	67.78588674	
82.51445008	72.57624656				
LINC01251	LINC01251		2.083356377	0.880336191	0
3.923040355					
CRNKL1	CRNKL1	4006.294314	3257.243908	3461.146663	
3090.375039					
SF3B1	SF3B1	38435.84181	34669.39989	31890.7199	
34859.15583					
SNORD103A	SNORD103A		4.166712755	5.282017149	
11.15060136	5.884560532				
KATNBL1P6	KATNBL1P6		2.083356377	6.16235334	
2.230120273	2.942280266				
ABCA1	ABCA1	95.83439336	44.01680957	113.7361339	
107.8836098					
SYNGR4	SYNGR4	0	1.760672383	7.805420954	10.78836098
MAGEH1	MAGEH1	1047.928258	893.5412343	1372.639028	
1333.833721					
MGAM	MGAM	0	0.880336191	0	0.980760089
PCDHGB2	PCDHGB2	4.166712755	7.042689532	33.45180409	
10.78836098					
TOX	TOX	1018.761269	423.4417081	713.6384872	
656.1284993					
NAGK	NAGK	2888.573617	2120.729885	3616.140022	

2811.839174					
KRI1 KRI1	3219.827281	3839.146131	3601.64424		
4742.955789					
PARP14 PARP14	10661.57626	8617.610978	14373.12516		
8313.903272					
SNORD116-15	SNORD116-15	0 0	0 0.980760089		
ZNF551 ZNF551	778.133607	933.1563629	1077.148092		
986.6446492					
ZNF721 ZNF721	1526.058546	1569.639429	2165.446785		
2035.077184					
CHRM5 CHRM5	2.083356377	9.683698106	0 0		
DNTTIP2 DNTTIP2	10763.66072	7091.108022	11424.90616		
10030.23343					
LOC100506682	LOC100506682	0 0	6.690360818 0		
ST7-AS2 ST7-AS2	306.2533875	136.4521097	208.5162455		
170.6522554					
LOC101927446	LOC101927446	0 0.880336191	0 0		
MRPS26 MRPS26	3588.58136	2726.401185	3232.559335		
4132.923014					
SNAI1 SNAI1	10.41678189	0 31.22168382	4.903800443		
SIX1 SIX1	9.375103698	32.57243908	10.03554123		
7.846080709					
PLA2G2E PLA2G2E	1.041678189	0 0	0		
CYB5R3 CYB5R3	7259.455297	5299.623872	5555.229599		
6228.807323					
FAM65A FAM65A	339.5870895	771.1745037	479.4758586		
791.4733916					
RAP1GAP RAP1GAP	4.166712755	3.521344766	5.575300681		
10.78836098					
SLC35F4 SLC35F4	1.041678189	0 5.575300681	0		
CLNK CLNK	37.50041479	27.29042193	32.33674395		
42.17268381					
MCTS1 MCTS1	4900.0542	5473.050102	3942.852642		
4610.553177					
MBOAT1 MBOAT1	780.2169633	981.5748535	411.4571903		
250.0938226					
VWA5B1 VWA5B1	0 0	1.115060136	5.884560532		
SERPINI1	SERPINI1	389.5876426	235.0497631		
509.5824823	405.0539166				
NOSTRIN NOSTRIN	46.87551849	95.07630868	17.84096218		
76.49928692					
TMUB1 TMUB1	1844.812072	1943.782311	1336.957103		
1503.505216					
PTGES3L-AARSD1	PTGES3L-AARSD1	2558.361631	1660.314057		
2401.839534	2022.327303				
HDAC11 HDAC11	65.62572589	89.79429153	337.8632213		
238.3247015					
USP44 USP44	31.25034566	344.2114509	122.656615		
435.4574794					
ASIC1 ASIC1	27.08363291	39.61512861	36.7969845		

46.09572417					
DOCK1 DOCK1	2.083356377	30.8117667	13.38072164		
6.865320621					
NAA60 NAA60	3427.121241	3745.830495	4065.509257		
3259.065775					
COL4A6 COL4A6	0 2.641008574 0	0	0		
GOT1 GOT1	4024.002843	3276.611305	3282.737041		
3133.528483					
ARPC4-TTLL3	ARPC4-TTLL3	7062.578119	6154.430314		
4685.482693	5018.549374				
PCCB PCCB	4408.382095	3527.507119	3047.459352		
3968.155319					
SNORD1A SNORD1A	9.375103698	8.803361914	21.18614259		
5.884560532					
AOAH AOAH	808.3422744	919.0709839	611.0529547		
794.4156718					
KLHL14 KLHL14	0 0	0 7.846080709			
YWHAQ YWHAQ	36214.98391	47747.67435	31570.69764		
45489.61443					
CKAP4 CKAP4	465.6301503	302.8356499	640.0445182		
476.6494031					
PKIA PKIA	6482.363368	4075.07623	3601.64424		
3992.674321					
SUN2 SUN2	23319.00793	27968.2808	16547.49242		
18245.07993					
SPAG4 SPAG4	38.54209298	100.3583258	40.14216491		
93.17220842					
CBFA2T2 CBFA2T2	1265.638999	1304.658236	1915.673314		
1565.293102					
S100A9 S100A9	12.50013826	21.12806859	0 4.903800443		
PITPNB PITPNB	5430.268398	3751.992848	5181.684453		
4791.993793					
ZNF45 ZNF45	1238.555366	1274.726805	1197.574586		
1269.103555					
TRAPPC10	TRAPPC10	3303.161536	5458.084387		
3658.512307	3633.716129				
GALR3 GALR3	10.41678189	10.5640343	2.230120273		
6.865320621					
PBRM1 PBRM1	7643.834549	7871.085888	6607.846368		
5808.061245					
PAPPA2 PAPPA2	0 0	17.84096218	0.980760089		
NFE2L1 NFE2L1	1114.595662	2613.718152	1875.531149		
1421.121368					
CACFD1 CACFD1	42.70880574	54.58084387	216.3216664		
92.19144833					
ZRANB1 ZRANB1	1238.555366	1244.795375	2243.500994		
1528.024218					
RNF40 RNF40	3840.667482	5627.108936	4227.192977		
4453.631563					
MMP14 MMP14	1.041678189	1.760672383	0 0		

FXN	FXN	3220.868959	1886.560458	1807.512481
1773.21424				
CD1B	CD1B	0	1.760672383	16.72590204
3.923040355				
FKSG29	FKSG29	0	0	0
1.961520177				
LOC286367	LOC286367		4.166712755	2.641008574
17.84096218		6.865320621		
MIR4754	MIR4754	6.250069132	3.521344766	0
3.923040355				
SPRED2	SPRED2	273.9613636	290.5109432	276.5349138
336.4007104				
FBL	FBL	4034.419625	4381.433225	4349.849592
4445.785482				
TMEM56	TMEM56	0	3.521344766	8.92048109
14.71140133				
TOP1MT	TOP1MT	417.7129537	463.0568367	593.2119925
946.4334856				
TRIM37	TRIM37	3061.492197	2725.520849	2515.575667
2271.440365				
CLK1	CLK1	2130.231896	2273.028046	4789.183285
3359.103304				
CXCR3	CXCR3	7784.461104	7417.712749	2908.076835
3158.047486				
SLC4A10	SLC4A10	101.0427843	311.6390118	66.90360818
308.9394279				
PDCD6	PDCD6	8573.011493	6738.093209	7741.862526
7399.834869				
PEMT	PEMT	932.3019789	765.0121504	931.0752138
1053.336335				
BAX	BAX	4855.262038	5586.613471	4511.533311
2952.087867				
FBLN5	FBLN5	100.0011061	197.1953069	457.1746559
326.5931095				
SLC38A1	SLC38A1	23252.34053	24949.608	22991.42495
23108.66921				
PCNP	PCNP	9861.567412	8842.096707	12077.21634
10202.8472				
MECR	MECR	1817.728439	1300.256555	1258.902894
1771.25272				
PRSS36	PRSS36	37.50041479	29.93143051	23.41626286
20.59596186				
PKIG	PKIG	98.95942793	172.5458935	121.5415549
238.3247015				
DNM2	DNM2	14979.33235	18299.54841	10090.17917
12273.23175				
PPM1B	PPM1B	6269.861018	5488.896154	6285.593988
5597.197826				
PLXDC1	PLXDC1	9.375103698	0.880336191	84.74457036
72.57624656				
GYS2	GYS2	12.50013826	7.042689532	25.64638313
12.74988115				
CCDC87	CCDC87	0	13.20504287	28.99156354
5.884560532				
RNF31	RNF31	3561.497727	3266.927606	4223.847796

3517.005678					
TAF6L	TAF6L	1392.723738	1029.113008	1171.928203	
1232.815431					
CES4A	CES4A	436.4631611	280.8272451	286.570455	
323.6508293					
GNAI2	GNAI2	48592.20415	48179.03909	24665.13021	
30557.54208					
TRNT1	TRNT1	2804.197684	2293.275779	2666.108786	
3073.702118					
ZNF574	ZNF574	2412.526685	1927.055923	3359.676191	
2697.090244					
EXOSC9	EXOSC9	5908.398686	5883.286767	4585.12728	
5175.470988					
LRRC2	LRRC2	14.58349464	33.45277527	4.460240545	
37.26888337					
IRF2BPL	IRF2BPL	155.2100501	429.6040614	376.8903261	
319.7277889					
NPEPPS	NPEPPS	6108.400899	6091.046109	5343.368173	
6820.205657					
CD70	CD70	5676.10445	2108.405178	1883.33657	
930.7413241					
SPATA5	SPATA5	800.0088489	906.7462772	553.0698276	
713.9933446					
GPR124	GPR124	138.5431991	105.640343	181.7548022	
83.36460754					
FAM126A	FAM126A	9161.55967	6982.82667	3557.041835	
2868.723259					
ZSCAN21	ZSCAN21	732.2997667	473.620871	826.259561	
667.8976204					
TXNDC11	TXNDC11	8678.22099	11014.76643	5555.229599	
5652.120391					
CLDN6	CLDN6	0	0	0.980760089	
SLC2A2	SLC2A2	0	1.115060136	0	
PCMTD1	PCMTD1	816.6756999	1093.37755	2007.108245	
1334.814481					
TPI1P2	TPI1P2	36.4587366	77.46958485	52.4078264	
34.3266031					
POLE4	POLE4	2935.449136	2370.745364	2271.377498	
1484.870774					
PREX1	PREX1	6881.326115	11044.69786	4645.340528	
5727.638918					
DHRS4	DHRS4	817.7173781	919.9513201	813.9938995	
1111.20118					
CDK5R1	CDK5R1	109.3762098	142.614463	607.7077743	
605.1289747					
LCMT1-AS2	LCMT1-AS2		1.041678189	1.760672383	0
3.923040355					
FANCI	FANCI	16221.01275	17554.78399	8656.211838	
13311.85668					
POLR3B	POLR3B	1493.766523	910.2676219	1401.630591	

1506.447496				
SPRY2	SPRY2	15.62517283	20.2477324	14.49578177
50.99952461				
FAM174B	FAM174B	402.0877808	762.3711418	199.5957644
442.3228				
RBPMS2	RBPMS2	1.041678189	0	0
5.884560532				
PCNXL4	PCNXL4	2333.359143	2352.258304	2443.096759
2441.111861				
ZDHHC6	ZDHHC6	5669.854381	5347.162027	4757.961601
5939.483097				
CDK18	CDK18	0	9.683698106	64.6734879
25.49976231				
PARP12	PARP12	5364.642672	4425.450034	6982.506573
5238.239634				
EML3	EML3	1523.97519	2894.545397	1497.525763
2043.904025				
SLC29A4	SLC29A4	1.041678189	1.760672383	20.07108245
31.38432284				
NPHP3	NPHP3	279.1697546	331.006408	461.6348964
580.6099725				
SIK2	SIK2	54.16726581	122.3667306	36.7969845
64.73016585				
TMEM259	TMEM259	7442.790658	7634.275452	5947.730767
7339.027744				
ZNF436	ZNF436	641.6737642	640.8847474	1253.327593
804.2232727				
SYCP2L	SYCP2L	0	0	3.345180409
1.961520177				
COX7C	COX7C	10696.99332	13180.39346	11293.32906
10897.22535				
FBN2	FBN2	0	0	0.980760089
0.980760089				
FAM131A	FAM131A	58.33397857	207.7593412	110.3909535
97.09524878				
TCTN2	TCTN2	110.417888	162.8621954	101.4704724
106.9028497				
DNM3	DNM3	35.41705842	56.34151625	88.08975076
62.76864567				
MIR2110	MIR2110	112.5012444	113.5633687	198.4807043
107.8836098				
MIR1914	MIR1914	5.208390943	2.641008574	6.690360818
5.884560532				
MIR1913	MIR1913	1.041678189	0	0
0.980760089				
MIR1909	MIR1909	6.250069132	25.52974955	13.38072164
8.826840798				
MIR1827	MIR1827	0	0.880336191	0
0				
MIR320D1	MIR320D1	0	1.760672383	0
0.980760089				
MIR103B2	MIR103B2	25.00027653	16.72638764	
30.10662368	17.6536816			
C21orf91	C21orf91	3870.876149	4729.16602	
4495.922469	3264.950335			
GTF2IRD2	GTF2IRD2	175.0019357	107.4010154	

466.095137		256.9591432		
SBK1	SBK1	126.0430608	382.0659071	473.9005579
235.3824213				
INTS1	INTS1	2466.693951	6529.453532	3516.89967
3835.752707				
CPB1	CPB1	0	3.345180409	0
S100A11	S100A11	15628.29787	15696.39429	11221.96521
9746.793761				
HDAC1	HDAC1	24902.35878	22456.49591	14716.56368
17901.8139				
SNAPC4	SNAPC4	389.5876426	698.986936	567.5656094
503.1299255				
EIF5	EIF5	15998.09362	11510.3957	19662.97044
14612.34456				
SNAPC2	SNAPC2	1244.805435	1035.275361	1006.899303
1114.143461				
CALM3	CALM3	18390.82842	23960.99046	12373.82233
12197.71322				
FCF1	FCF1	1406.265555	2081.995093	2040.560049
2237.113762				
CCP110	CCP110	5224.016116	5073.377471	3409.853897
3263.969575				
NEU3	NEU3	315.6284912	466.5781815	274.3047935
346.2083113				
CPLX2	CPLX2	0	0	0.980760089
AAAS	AAAS	5632.353966	3708.856375	3484.562926
4087.80805				
GRIN2B	GRIN2B	1.041678189	0	0
PNMA2	PNMA2	2.083356377	36.97412004	55.75300681
110.82589				
PTGES	PTGES	7.291747321	0.880336191	7.805420954
11.76912106				
GOSR1	GOSR1	3388.579148	3268.688279	4103.421301
3330.661261				
ITM2A	ITM2A	19205.42077	20562.01242	13210.11743
14667.26713				
SNF8	SNF8	5430.268398	4553.979118	4441.284523
3777.887862				
CD48	CD48	7926.129338	4630.568367	8081.955868
6095.423951				
TBC1D2	TBC1D2	535.422589	551.970792	404.7668295
534.5142483				
AGPAT4	AGPAT4	115.6262789	151.4178249	30.10662368
101.9990492				
LZTFL1	LZTFL1	326.0452731	153.1784973	497.3168208
355.0351521				
ST7-AS1	ST7-AS1	204.168925	104.7600068	117.0813143
108.8643698				
CENPBD1P1	CENPBD1P1		984.3858883	1112.744946
1258.902894		940.548925		

PKD1	PKD1	202.0855686	560.7741539	444.9089944
522.7451273				
ARAF	ARAF	7144.870696	5421.990603	5964.456669
5926.733216				
SHROOM2	SHROOM2	0	14.96571525	0
3.923040355				
PPFIA1	PPFIA1	2026.064077	2226.370228	2003.763065
2110.595711				
CYP26A1	CYP26A1	7.291747321	3.521344766	0
0				
TMC4	TMC4	21.87524196	20.2477324	13.38072164
19.61520177				
DAP	DAP	6507.363645	4817.19964	4989.89411
4582.111134				
CREBBP	CREBBP	787.5087107	1777.398771	1629.102859
1395.621606				
SLC25A36	SLC25A36		1792.728163	1782.680788
2513.345547	2303.805448			
GPM6B	GPM6B	35.41705842	23.76907717	84.74457036
62.76864567				
PGM2L1	PGM2L1	1450.016039	832.7980371	1486.375162
1067.066976				
CDCP2	CDCP2	3.125034566	0.880336191	0
13.73064124				
PDCL3	PDCL3	4167.754433	3266.927606	2916.997316
2675.513522				
GPR19	GPR19	861.4678621	1165.565117	457.1746559
834.6268355				
DYNC1LI2	DYNC1LI2		2423.985145	2437.650914
2257.996776	2460.727062			
LARP7	LARP7	2737.53028	2081.995093	2447.556999
2252.805924				
HLA-DRB3	HLA-DRB3		22.91692015	9.683698106
2.230120273	0.980760089			
ACKR4	ACKR4	3.125034566	10.5640343	13.38072164
89.24916807				
RNF169	RNF169	673.9657881	821.3536666	1170.813143
671.8206607				
KDM6B	KDM6B	90.62600242	186.6312726	383.5806869
293.2472665				
SEZ6	SEZ6	6.250069132	24.64941336	80.28432981
16.67292151				
GALNT4	GALNT4	1985.438628	1375.965467	1343.647464
1027.836573				
IK	IK	9343.853353	8185.365908	9803.608718
9434.912053				
TMEM97	TMEM97	3339.620273	2630.44454	2340.511226
2774.570291				
TM9SF4	TM9SF4	4159.421007	4345.339441	3819.080967
5088.18334				
MLEC	MLEC	9338.644962	10630.05951	8170.045618
7319.412542				
PHYHIP	PHYHIP	1.041678189	0	0
			0	0

SNX19	SNX19	3323.9951	4442.176422	4243.918879
4385.959117				
PHACTR2	PHACTR2	2965.657803	2703.512444	2431.946157
2469.553903				
PRKRA	PRKRA	3057.325484	3002.826749	3958.463484
3790.637743				
AKR7A2	AKR7A2	3662.540511	3481.729637	2619.27626
3313.00758				
TNFRSF10C	TNFRSF10C	0	1.760672383	17.84096218
7.846080709				
FADD	FADD	3182.326866	3442.114509	3259.320778
2922.665064				
FAM168A	FAM168A	225.0024888	460.4158281	254.2337111
265.785984				
FOXD2	FOXD2	36.4587366	58.10218863	24.531323
37.26888337				
GOSR2	GOSR2	6155.276417	4316.288347	5817.268731
5537.371461				
GPR101	GPR101	0	3.521344766	0
6.865320621				
ARID1A	ARID1A	1571.892387	3567.122248	2852.323829
2349.901172				
C11orf24	C11orf24	1860.437245	1175.248816	
1852.114886	1815.386924			
ITGB1BP1	ITGB1BP1	9776.149801	7346.405518	
5957.766308	6093.462431			
MY01E	MY01E	4491.71635	3545.994179	716.9836676
1064.124696				
NUP133	NUP133	4413.590486	4343.578769	3853.647831
4371.247715				
CISD1	CISD1	2815.656144	2603.154118	2315.979903
2224.363881				
LOC101060351	LOC101060351	42.70880574	54.58084387	
51.29276627	65.71092594			
ARMCX4	ARMCX4	30.20866747	21.12806859	59.09818722
92.19144833				
C11orf45	C11orf45	2.083356377	4.401680957	
1.115060136	9.807600887			
ISG20L2	ISG20L2	3932.335162	2603.154118	3030.73345
2990.33751				
ARPC5L	ARPC5L	6675.073833	5674.64709	4963.132667
5940.463857				
FAM47E-STBD1	FAM47E-STBD1	273.9613636	353.895149	
149.4180583	189.2866971			
DNAI1	DNAI1	0	1.115060136	0
TFIP11	TFIP11	7304.247459	6434.377223	6757.264426
6318.056491				
CCNDBP1	CCNDBP1	8992.807803	7632.51478	7450.831831
7587.160046				
INTS6	INTS6	3794.833641	4213.289012	4280.715863
4078.000449				

DDX41	DDX41	5542.769642	4626.166686	4559.480897	
5837.484048					
POLK	POLK	2693.779796	2297.67746	2590.284697	
2572.533713					
KLRK1	KLRK1	185.4187176	14.96571525	1786.326338	
62.76864567					
TSPYL5	TSPYL5	108.3345316	243.853125	63.55842777	
269.7090244					
CARKD	CARKD	2225.024611	2406.839147	2488.814224	
2597.052715					
FAM86EP	FAM86EP	162.5017974	62.50386959	270.9596131	
149.0755335					
FAM86JP	FAM86JP	38.54209298	32.57243908	55.75300681	
68.65320621					
ITIH3	ITIH3	5.208390943	2.641008574	2.230120273	0
PIGV	PIGV	916.6768061	494.7489396	1487.490222	
979.7793286					
ACADS	ACADS	1644.80986	1798.526839	1563.314311	
1813.425404					
MFAP4	MFAP4	26.04195472	26.41008574	21.18614259	
26.48052239					
DMXL1	DMXL1	621.8818787	1200.778565	1108.369775	
827.7615148					
GPR113	GPR113	134.3764863	165.503204	192.9054036	
186.3444168					
CMKLR1	CMKLR1	1.041678189	0	0	0
CALML3-AS1	CALML3-AS1	0	0.880336191	0	0
APCDD1L	APCDD1L	7.291747321	0.880336191	12.2656615	
4.903800443					
PARP2	PARP2	2669.821198	2221.088211	2071.781733	
2089.018989					
IL18RAP	IL18RAP	945.8437953	691.9442465	965.642078	
1512.332057					
CAV2	CAV2	0	0.880336191	1.115060136	2.942280266
TUBB2A	TUBB2A	296.8782838	202.477324	597.672233	
456.0534412					
KCNK15	KCNK15	8.33342551	12.32470668	41.25722504	
64.73016585					
APPL1	APPL1	2403.151581	3666.600237	2693.985289	
2651.97528					
CD8A	CD8A	483.3386796	227.1267374	3364.136431	
159.8638945					
HSPA14	HSPA14	6563.614267	5833.107604	6078.192803	
5799.234404					
ZNF292	ZNF292	2879.198514	5065.454446	5312.146489	
4428.1318					
15-Sep	15-Sep	10425.11531	9838.637276	11036.86523	
8999.454574					
TOX4	TOX4	5537.561251	4976.54049	4587.357401	
4599.764816					

CLEC4D	CLEC4D	1.041678189	0	0	0	
GPKOW	GPKOW	3105.242681	2351.377967		2363.927489	
2398.939177						
FRMD8	FRMD8	5871.93995	5565.485402		4919.645321	
5492.256497						
AGGF1	AGGF1	3215.660569	2944.72456		3354.10089	
3364.987864						
MIR6501	MIR6501	148.959981	286.1092622		208.5162455	
206.9403787						
MIR378J	MIR378J	8.33342551	1.760672383		1.115060136	
3.923040355						
MIR6126	MIR6126	207.2939596	235.9300993		236.3927489	
209.882659						
MIR6125	MIR6125	319.7952039	211.2806859		301.0662368	
283.4396656						
MIR6124	MIR6124	3.125034566	3.521344766		4.460240545	
8.826840798						
MIR6090	MIR6090	12.50013826	31.69210289		10.03554123	
19.61520177						
ATP6V1C2	ATP6V1C2		12183.4681		9747.962648	
7582.408927	8975.916331					
PPEF1	PPEF1	0	0	1.115060136	0	
HNRNPUL2	HNRNPUL2		702.0910992		1354.837399	
578.7162107	576.6869321					
DPYSL5	DPYSL5	0	0	0	0.980760089	
LINC00852	LINC00852		64.5840477		86.27294676	
64.6734879	67.67244612					
ERBB2IP	ERBB2IP	3015.658356	5713.381882		4973.168208	
4290.825388						
MIR93	MIR93	22.91692015	13.20504287		26.76144327	
38.24964346						
SERHL	SERHL	1164.596215	1620.698928		1252.212533	
2278.305686						
MT1DP	MT1DP	6.250069132	15.84605145		5.575300681	
13.73064124						
C3orf17	C3orf17	2072.939596	1968.431724		2388.458812	
2606.860316						
RUVBL2	RUVBL2	11388.66764	8603.525599		6873.23068	
8570.862415						
UCA1	UCA1	4.166712755	13.20504287		32.33674395	
6.865320621						
GRIK1-AS1	GRIK1-AS1		0	0	1.115060136	0
PPWD1	PPWD1	4539.633546	3311.824752		3538.085812	
3985.809						
ERLIN2	ERLIN2	427.0880574	360.9378385		378.0053862	
323.6508293						
TARP	TARP	614.5901313	190.1526174		307.7565976	
97.09524878						
ABCC9	ABCC9	0	0	0	0.980760089	
GTSF1L	GTSF1L	9.375103698	10.5640343	0	0	11.76912106

PKHD1	PKHD1	0	1.760672383	4.460240545	4.903800443
FAM151A	FAM151A	25.00027653	32.57243908	0	40.21116364
MTFR2	MTFR2	2414.610041	2263.344348	1236.601691	
1575.100702					
C14orf93	C14orf93		378.1291825	353.895149	
379.1204463	337.3814705				
FHDC1	FHDC1	0	2.641008574	5.575300681	0.980760089
C17orf58	C17orf58		835.4259073	992.1388878	
684.6469237	1002.336811				
BCL2	BCL2	1420.849049	1256.239745	2780.95998	
1674.157471					
FAAH	FAAH	73.9591514	54.58084387	86.97469063	
197.1327778					
IGHMBP2	IGHMBP2	1472.932959	1322.26496	1177.503504	
1252.430633					
IFNB1	IFNB1	4.166712755	1.760672383	0	0
IFNA10	IFNA10	5.208390943	0.880336191	0	0
IDH2	IDH2	14422.03452	14532.58985	11252.07184	
14363.2315					
MAP2K6	MAP2K6	153.1266937	279.9469089	107.0457731	
188.305937					
DCTN2	DCTN2	9778.233157	6979.305326	7592.444468	
6983.992591					
OR10A4	OR10A4	0	1.760672383	2.230120273	0
VMP1	VMP1	6640.698453	6152.669642	5214.021197	
5727.638918					
CLSTN1	CLSTN1	2190.649231	4621.765005	2617.04614	
2187.094998					
ENDOD1	ENDOD1	1622.934618	2199.079806	1591.190814	
2592.148914					
PLEKHA6	PLEKHA6	0	0	30.10662368	24.51900222
PPP6R1	PPP6R1	16754.35199	19767.06884	13649.45113	
15469.52888					
GOLPH3L	GOLPH3L	1818.770117	2148.900643	2158.756424	
2222.402361					
YLPM1	YLPM1	2916.698928	4354.142803	3368.596672	
3347.334183					
MRPS10	MRPS10	6883.409471	5173.735797	5245.242881	
5371.623006					
EMC9	EMC9	1357.30668	1463.11875	1266.708315	
1436.81353					
RAB26	RAB26	23.95859834	58.10218863	104.8156528	
50.99952461					
CCDC109B	CCDC109B		8029.255478	8592.961565	
7011.498137	8062.828689				
C1orf198	C1orf198		830.2175164	1665.596074	
1314.655901	1455.447972				
GPR128	GPR128	0	0.880336191	0	0
CC2D1B	CC2D1B	1151.054399	1752.749357	1719.42273	
1532.928019					

ST8SIA5	ST8SIA5	14.58349464	0	0	9.807600887	
FLJ41278	FLJ41278		46.87551849		41.375801	0
		21.57672195				
SOX11	SOX11	0	0	5.575300681	1.961520177	
PPM1D	PPM1D	2336.484177		1734.262297	2517.805788	
		1500.562936				
NUDT15	NUDT15	2459.402204		2056.465343	2018.258847	
		1967.404738				
KIAA1549L	KIAA1549L		2.083356377		0	6.690360818
		0				
VPS13D	VPS13D	1229.180263		2378.668389	2156.526304	
		1755.560559				
AKIRIN2	AKIRIN2	3409.412712		3008.989102	3135.549103	
		3068.798317				
ZEB1-AS1	ZEB1-AS1		178.1269703		272.9042193	
		157.2234792		216.7479796		
LINC00599	LINC00599		51.04223125		2.641008574	
		24.531323		5.884560532		
FLJ37453	FLJ37453		369.795757		422.5613719	
		569.7957296		469.7840825		
SEPT7P2	SEPT7P2	459.3800812		529.0820511	719.2137879	
		657.1092594				
ARL3	ARL3	1547.933788		1983.397439	1042.581227	
		1476.043933				
ABCB7	ABCB7	1158.346146		1389.17051	1136.246279	
		1534.889539				
RASL10A	RASL10A	0	2.641008574	0	2.942280266	
FLII	FLII	17883.53114		15411.16537	11905.49707	
		15404.79871				
ASAP3	ASAP3	0	9.683698106	25.64638313	9.807600887	
FHOD3	FHOD3	119.7929917		94.19597248	28.99156354	
		71.59548647				
SH2D7	SH2D7	2.083356377		1.760672383	5.575300681	
		7.846080709				
PNMA3	PNMA3	34.37538023		24.64941336	54.63794668	
		43.1534439				
PGAM5	PGAM5	6985.493933		5653.519021	5532.928396	
		4972.45365				
TKTL1	TKTL1	127.084739		85.39261057	24.531323	
		29.42280266				
ANKRD37	ANKRD37	313.5451348		373.2625452	385.8108071	
		488.4185242				
METTL2A	METTL2A	1486.474775		1350.435718	1261.133014	
		1358.352723				
TMC03	TMC03	2011.480582		2088.157446	1460.728779	
		2014.481222				
CPPED1	CPPED1	2420.860111		2519.52218	1237.716751	
		1687.888113				
CFAP44	CFAP44	43.75048393		36.09378385	49.062646	
		49.03800443				

CHDH	CHDH	945.8437953	154.0588335	402.5367092	
104.9413295					
LAPTM4B	LAPTM4B	5752.146958	2832.921864	2976.095504	
2928.549625					
MUC4	MUC4	14.58349464	0.880336191	1.115060136	
0.980760089					
KIAA1024	KIAA1024		21.87524196	14.96571525	
8.92048109	25.49976231				
CEP128	CEP128	1352.098289	2207.002832	642.2746385	
997.4330102					
SLTM	SLTM	4939.637971	5185.180168	4756.846541	
4177.057218					
PPP1R16A	PPP1R16A		350.0038714	491.2275948	
439.3336937	614.9365756				
KIAA0100	KIAA0100		7004.244141	13874.09838	
9121.191915	10025.32963				
PARP8	PARP8	1408.348911	1575.801783	3821.311087	
2508.784307					
PGAM4	PGAM4	10.41678189	7.042689532	4.460240545	
19.61520177					
C19orf73	C19orf73		45.8338403	44.89714576	
100.3554123	56.88408514				
IKZF4	IKZF4	1622.934618	934.9170353	1774.060677	
841.4921561					
GSG2	GSG2	1472.932959	1310.820589	839.6402826	
764.0121091					
PN01	PN01	4329.214552	2537.128904	4037.632753	
3991.693561					
NXN	NXN	20.83356377	9.683698106	3.345180409	
18.63444168					
NEDD4	NEDD4	742.7165485	1088.975869	448.2541748	
985.6638891					
RHBDF1	RHBDF1	1.041678189	10.5640343	6.690360818	
7.846080709					
CDHR3	CDHR3	4.166712755	5.282017149	0	5.884560532
TBC1D32	TBC1D32	176.0436139	288.7502708	298.8361165	
271.6705446					
ST6GALNAC3	ST6GALNAC3		5.208390943	3.521344766	
18.95602232	11.76912106				
LOC101928445	LOC101928445		180.2103266	166.3835402	
146.0728779	191.2482173				
LOC102724814	LOC102724814		4537.55019	3931.581431	
3295.002703	4513.457928				
LOC283575	LOC283575		0	7.923025723	0
11.76912106					
MIR135B	MIR135B	0	0	0.980760089	
MIR1276	MIR1276	0	1.115060136	0	
MIR548H3	MIR548H3		0	1.115060136	0
PATZ1	PATZ1	496.880496	1033.514689	1005.784243	
962.125647					

KIAA0020	KIAA0020	6412.57093	3838.265795
5555.229599	5373.584526		
PRG4 PRG4	335.4203768	381.1855709	511.8126025
491.3608044			
PDE6D PDE6D	2389.609765	2549.45361	2152.066063
2294.978607			
PAWR PAWR	56.25062219	140.8537906	51.29276627
196.1520177			
PAPPA PAPPA	2.083356377	1.760672383	11.15060136
6.865320621			
NDEL1 NDEL1	3471.913403	3123.432807	3864.798432
3426.77575			
TMEM40 TMEM40	0 0	0 1.961520177	
TMEM140 TMEM140	2491.694227	2447.334612	5374.589857
3564.082162			
CEP104 CEP104	2762.530556	2196.438798	2792.110581
2373.439415			
ECE2 ECE2	979.1774974	567.8168435	917.6944921
783.6273108			
KIAA0408	KIAA0408	223.9608106	203.3576602
192.9054036	170.6522554		
ANKRD33B	ANKRD33B	289.5865365	300.1946413
561.9903087	198.1135379		
CDK5 CDK5	1968.771777	1562.59674	705.8330663
1279.891916			
NPEPL1 NPEPL1	898.9682768	823.9946752	798.3830576
833.6460754			
NPC1 NPC1	2539.611424	3428.029129	1949.125118
2332.247491			
TXNL1 TXNL1	5663.604312	4109.409342	5008.850132
3997.578121			
LINC00092	LINC00092	28.12531109	33.45277527
60.21324736	40.21116364		
SNHG12 SNHG12	194.7938213	247.3744698	363.5096044
332.4776701			
DBIL5P DBIL5P	50.00055306	40.49546481	97.01023186
40.21116364			
EFTUD2 EFTUD2	21490.86271	15670.86454	15471.45939
17402.60701			
RNASEH2A	RNASEH2A	4363.589932	4274.912546
3184.611749	3868.11779		
CYTH2 CYTH2	2096.898194	1589.887162	2008.223305
1865.405689			
HLA-D0A HLA-D0A	15.62517283	33.45277527	4.460240545
0.980760089			
KLHL11 KLHL11	408.33785	340.6901061	399.1915288
442.3228			
IHH IHH	6.250069132	1.760672383	0 0
TRIP11 TRIP11	2455.235491	1954.346345	2981.670804
2321.45913			

DPYSL4	DPYSL4	10.41678189	12.32470668	72.47890886	
101.9990492					
HSPB1	HSPB1	652.0905461	1290.572857	1372.639028	
1501.543696					
FGF11	FGF11	18.7502074	28.17075813	18.95602232	
21.57672195					
NLRP1	NLRP1	2809.406075	4126.135729	2667.223846	
3714.138456					
MAML3	MAML3	17.70852921	52.82017149	44.60240545	
102.9798093					
CTAGE6	CTAGE6	2.083356377	2.641008574	3.345180409	0
GBE1	GBE1	1752.102713	1681.442126	1736.148632	
2471.515423					
CEBPA-AS1	CEBPA-AS1		0	0	0.980760089
IL23R	IL23R	309.378422	1062.565783	347.8987625	
1238.699992					
MRPL30	MRPL30	2334.400821	2209.643841	1937.974517	
2107.653431					
ERGIC1	ERGIC1	266.6696163	744.764418	462.7499566	
489.3992842					
ZNF442	ZNF442	29.16698928	29.93143051	337.8632213	
128.4795716					
PGAP1	PGAP1	455.2133685	637.3634026	1130.670978	
496.2646049					
CCDC130	CCDC130	1668.768458	1382.127821	2086.277515	
1840.886686					
NOL9	NOL9	3307.328249	2498.394111	2760.888897	
2614.706396					
SDCBP2-AS1	SDCBP2-AS1		260.4195472	264.1008574	
307.7565976	277.5551051				
PCOLCE-AS1	PCOLCE-AS1		16.66685102	22.88874098	
16.72590204	24.51900222				
LRP4-AS1	LRP4-AS1		5.208390943	3.521344766	
10.03554123	9.807600887				
SORD	SORD	754.1750086	780.8582018	832.9499218	
958.2026066					
XIST	XIST	1270.84739	0	1930.169096	0
NSMCE4A	NSMCE4A	4731.302333	3760.79621	3354.10089	
3575.851283					
METTL1	METTL1	1922.937936	1073.129817	1896.717292	
2147.864594					
BHMT2	BHMT2	0	0	1.115060136	1.961520177
VEZT	VEZT	2554.194919	2756.332615	1934.629336	
2946.203306					
RNF111	RNF111	2605.23715	3382.251648	2691.755169	
2678.455802					
AMN1	AMN1	321.8785603	330.1260718	374.6602058	
463.8995219					
TMEM169	TMEM169	200.0022122	192.7936259	79.16926967	
121.614251					

PROSER2 PROSER2	34.37538023	58.10218863	146.0728779
134.3641321			
MCM9 MCM9	2020.855686	2366.343683	2146.490762
2181.210437			
RGPD3 RGPD3	17.70852921	21.12806859	18.95602232
15.69216142			
AKAP6 AKAP6	7.291747321	36.97412004	22.30120273
63.74940576			
C6orf120 C6orf120		2178.149093	1789.723477
2169.907025	1723.195476		
CDC20B CDC20B	3.125034566	5.282017149	0 2.942280266
ZSCAN12 ZSCAN12	315.6284912	375.0232176	521.8481438
459.9764816			
DCP1A DCP1A	5269.849957	3535.430145	6850.929477
5512.852458			
IL26 IL26	137.5015209	258.8188403	131.5770961
162.8061747			
RPS27A RPS27A	24666.93951	26610.80239	31664.36269
26853.21123			
ZMYM5 ZMYM5	1207.305021	912.9086305	1349.222765
984.683129			
TRIM38 TRIM38	4538.591868	3687.728306	5646.66453
4313.38287			
FST FST	19.79188559	7.923025723	25.64638313
18.63444168			
RABGGTA RABGGTA	3471.913403	1985.158112	2104.118477
2489.169105			
LRRC58 LRRC58	4168.796111	4983.58318	4219.387556
3934.809476			
C1QBP C1QBP	24137.76699	15684.94992	20759.07456
20400.7906			
TAF4 TAF4	85.41761147	271.143547	136.0373366
158.8831344			
BUB1B BUB1B	7160.495869	7750.479829	3612.794842
5843.368608			
BCL2L2-PABPN1 BCL2L2-PABPN1		5581.311735	7951.196481
6778.450568	6374.940576		
IP6K1 IP6K1	2884.406905	3396.337027	4059.933956
2989.35675			
TRIM50 TRIM50	0 0	2.230120273	0
OR2A20P OR2A20P	5.208390943	0 0	0
PAX5 PAX5	2.083356377	22.88874098	0 1.961520177
RSF1 RSF1	947.9271517	1133.873015	1644.713701
1325.00688			
ZSWIM3 ZSWIM3	486.4637141	515.8770082	516.2728431
481.5532035			
TMC2 TMC2	0 0	0 1.961520177	
ZNF280D ZNF280D	485.4220359	698.986936	500.6620012
512.9375264			
ST8SIA6 ST8SIA6	92.70935879	44.89714576	15.61084191

10.78836098					
SAR1B SAR1B	5992.77462	5059.292092	5709.107898		
4402.632038					
TEN1 TEN1	861.4678621	536.1247406	586.5216317		
413.8807574					
REC8 REC8	426.0463792	562.5348263	367.969845		
568.8408514					
FXYD4 FXYD4	0 1.760672383	0	0.980760089		
TLDC2 TLDC2	3585.456326	1746.587004	2153.181123		
1280.872676					
CDC6 CDC6	7345.914587	5576.929773	4330.893569		
4520.323249					
MPHOSPH8	MPHOSPH8	1709.393908	1821.41558		
2269.147377	2043.904025				
MARK4 MARK4	53.12558762	104.7600068	26.76144327		
52.96104479					
STK31 STK31	0 0.880336191	6.690360818	0		
SEPSECS SEPSECS	998.969383	1131.232006	759.3559528		
902.2992816					
RAB8B RAB8B	6787.575078	6570.829333	9773.502094		
8805.264076					
CNPY4 CNPY4	646.8821552	676.9785312	452.7144153		
790.4926315					
EGLN3 EGLN3	331.253664	80.11059342	386.9258673		
96.11448869					
DIAPH2 DIAPH2	580.2147511	749.1660989	664.5758412		
705.1665038					
CGB2 CGB2	0 0.880336191	0	0.980760089		
PARP16 PARP16	941.6770826	1225.427978	1248.867353		
1384.833245					
FNDC4 FNDC4	2.083356377	11.44437049	4.460240545		
3.923040355					
WHSC1L1 WHSC1L1	8353.217395	7145.688866	7716.216143		
6131.712074					
STPG1 STPG1	448.9632993	413.75801	553.0698276		
422.7075982					
USH2A USH2A	0 0	2.230120273	0		
MT1L MT1L	211.4606723	421.6810357	136.0373366		
206.9403787					
SLC04A1-AS1	SLC04A1-AS1	1569.80903	957.8057763		
440.4487538	740.4738669				
DDX6 DDX6	5960.482596	5346.281691	7546.727002		
5923.790936					
LHX8 LHX8	1.041678189	0 0	0		
TDRP TDRP	1.041678189	0 0	1.961520177		
NMB NMB	266.6696163	193.6739621	194.0204637		
233.4209011					
IRX3 IRX3	5.208390943	1.760672383	1.115060136		0
TMEM43 TMEM43	5799.022476	3509.020059	5820.613911		
5456.949133					

RPS6KA2	RPS6KA2	128.1264172	158.4605145	811.7637792
413.8807574				
ERLIN1	ERLIN1	2350.025994	1878.637433	2766.464198
2372.458654				
RASSF8-AS1	RASSF8-AS1	0	4.401680957	2.230120273
0				
TVP23C-CDRT4	TVP23C-CDRT4	377.0875043	539.6460854	
391.3861078	356.0159122			
PET100	PET100	2678.154623	3094.381713	2441.981698
2293.997847				
CCNB3	CCNB3	33.33370204	36.97412004	0 50.01876452
C8orf33	C8orf33	3742.749732	2625.162523	4579.55198
3902.444393				
ANKRD36	ANKRD36	2056.272744	2026.533913	1472.99444
2145.903074				
MY01B	MY01B	97.91774974	120.6060582	1068.227611
436.4382395				
BCAR3	BCAR3	116.6679571	107.4010154	36.7969845
50.99952461				
UNC13D	UNC13D	7846.961795	8085.007582	4383.301396
6843.743899				
MOB3B	MOB3B	21.87524196	58.98252483	63.55842777
98.07600887				
MY018B	MY018B	16.66685102	237.6907717	4.460240545
13.73064124				
PAQR6	PAQR6	37.50041479	73.94824008	24.531323
46.09572417				
ITGBL1	ITGBL1	0 0	2.230120273	0
ZNF416	ZNF416	446.879943	349.493468	1025.855325
468.8033224				
C2orf42	C2orf42	1694.810413	1335.470002	1922.363675
1641.792388				
HRASLS2	HRASLS2	8.33342551	15.84605145	11.15060136
1.961520177				
IMPA2	IMPA2	619.7985223	967.4894744	535.2288654
741.454627				
SLC5A4	SLC5A4	0 0	0 4.903800443	
IQGAP3	IQGAP3	66.66740408	705.1492893	2.230120273
356.0159122				
GFRA1	GFRA1	1.041678189	10.5640343	0 0
SOX13	SOX13	5.208390943	36.97412004	0 35.30736319
ITPKB	ITPKB	1310.431161	2188.515772	2960.484662
2229.267682				
CDC34	CDC34	3447.954805	2723.760176	2530.071449
2552.918511				
GNPNAT1	GNPNAT1	2842.739777	2221.968547	2532.301569
2056.653906				
SLC10A6	SLC10A6	0 0	6.690360818	0
KCNG3	KCNG3	3.125034566	6.16235334	0 5.884560532
TRIM44	TRIM44	2413.568363	2065.268705	6052.54642

5073.471939				
CBLN3 CBLN3	15.62517283	73.94824008	26.76144327	
48.05724434				
POLR2I POLR2I	3053.158771	2642.769247	2783.1901	
2627.456278				
HAPLN3 HAPLN3	4037.544659	3076.774989	5272.004324	
4274.152466				
HOXC5 HOXC5	0 0	2.230120273	0	
BBS5 BBS5	116.6679571	100.3583258	218.5517867	
198.1135379				
B3GNT8 B3GNT8	26.04195472	28.17075813	18.95602232	
24.51900222				
DRAXIN DRAXIN	4.166712755	12.32470668	24.531323	
6.865320621				
RCOR2 RCOR2	0 2.641008574	0	0	
AP2M1 AP2M1	22530.45754	17003.69354	16214.08944	
16952.43813				
C12orf43	C12orf43	1658.351676	1375.085131	
1512.021545	1594.715904			
SRRM2-AS1	SRRM2-AS1	39.58377117	66.90555055	
35.68192436	26.48052239			
LINC00310	LINC00310	9.375103698	22.00840479	0
7.846080709				
NPIP6 NPIP6	4.166712755	0 5.575300681	0.980760089	
PTK2 PTK2	62.50069132	68.66622293	829.6047414	
779.7042705				
ULK2 ULK2	884.3847822	1628.621954	1152.972181	
1299.507117				
CCT6B CCT6B	71.87579502	61.6235334	43.48734531	
51.9802847				
GIMAP1-GIMAP5	GIMAP1-GIMAP5	10641.78438	9218.000261	
12737.33194	12565.49826			
PDXK PDXK	6242.777385	5723.945917	4483.656808	
4705.686905				
ARF4 ARF4	11808.46395	9330.683293	11618.92662	
9479.046257				
MAPKAPK5	MAPKAPK5	3858.376011	2978.177336	
3490.138227	3678.831093			
BLZF1 BLZF1	2208.35776	1790.603813	1455.153478	
1335.795241				
PARP3 PARP3	522.9224507	537.0050768	879.7824475	
759.1083086				
SMYD2 SMYD2	2048.980997	1649.750023	1869.955849	
2174.345117				
CRYAB CRYAB	0 0	0 0.980760089		
SPIN2A SPIN2A	0 0.880336191	0	3.923040355	
RUNDC3B RUNDC3B	8.33342551	16.72638764	59.09818722	
36.28812328				
GATS GATS	367.7124006	784.3795466	537.4589857	
604.1482146				

PRSS54	PRSS54	7.291747321	4.401680957	10.03554123		
16.67292151						
SOCS2	SOCS2	1798.978232	622.3976873	2063.976312		
563.937051						
RACGAP1	RACGAP1	5910.482043	13564.22004	6492.995173		
7897.080234						
GTF2H1	GTF2H1	6005.274758	3755.514193	6507.490955		
4936.165526						
PENK	PENK	0	2.641008574	0		
NRXN1	NRXN1	0	0	5.575300681	0.980760089	
CHORDC1	CHORDC1	7277.163826	4923.720319	7788.695052		
6311.191171						
TBL1X	TBL1X	2505.236044	2958.809939	2573.558795		
2937.376466						
ELP2	ELP2	4886.512383	3711.497383	4936.371223		
5091.12562						
DPP3	DPP3	8929.265434	9517.314566	4867.237495		
6611.303758						
ESPNP	ESPNP	0	0	5.575300681	6.865320621	
FBXL19-AS1	FBXL19-AS1			140.6265555	174.3065659	
80.28432981	203.9980984					
MIR4697HG	MIR4697HG		10.41678189	57.22185244		
49.062646	12.74988115					
LRR37BP1	LRR37BP1		97.91774974	203.3576602		
102.5855325	113.7681703					
MIR4650-1	MIR4650-1		2.083356377	0	0	0
MIR4658	MIR4658	28.12531109	63.38420578	35.68192436		
23.53824213						
MIR4649	MIR4649	0	1.760672383	1.115060136	6.865320621	
TNFSF18	TNFSF18	0	0	0	0.980760089	
ADRBK1	ADRBK1	17323.10828	19653.50547	11101.53872		
15334.18399						
C15orf53	C15orf53		826.0508036	436.646751		
110.3909535	118.6719707					
KLRC1	KLRC1	19.79188559	6.16235334	28.99156354		
2.942280266						
SPG7	SPG7	3411.496068	3145.441212	2095.197996		
2793.204733						
SPI1	SPI1	0	0	3.345180409	0	
SPARC	SPARC	14.58349464	24.64941336	0	24.51900222	
OSBPL6	OSBPL6	85.41761147	63.38420578	40.14216491		
55.90332505						
OMG	OMG	10.41678189	14.96571525	0	10.78836098	
REST	REST	5390.684627	5858.637354	6020.209676		
5962.040579						
IGFBP5	IGFBP5	0	0.880336191	1.115060136	0	
KLHDC1	KLHDC1	36.4587366	55.46118006	146.0728779		
129.4603317						
AQP4-AS1	AQP4-AS1		0	0	0	1.961520177
FDFT1	FDFT1	11908.46505	12468.20148	12412.84944		

15209.62746				
ZNF726	ZNF726	154.1683719	188.391945	171.719261
142.2102129				
CRISPLD2	CRISPLD2		3.125034566	5.282017149
30.10662368		16.67292151		
LTF	LTF	4.166712755	0.880336191	0 2.942280266
SIT1	SIT1	7636.542801	7347.285854	3061.955134
4324.171231				
ATL3	ATL3	3159.409946	3852.351174	4366.575494
3721.003776				
AJAP1	AJAP1	2.083356377	0 0	0.980760089
ZNF534	ZNF534	0 8.803361914	6.690360818	4.903800443
BRD4	BRD4	2288.566981	3146.321548	3232.559335
2535.264829				
C19orf24	C19orf24		1672.935171	1530.024301
1500.870943		1430.928969		
ADAM28	ADAM28	0 0	39.02710477	4.903800443
PLK4	PLK4	5016.722157	5545.23767	2243.500994
3175.701167				
TINF2	TINF2	7365.706472	5469.528757	8200.152242
7116.395203				
HIST1H2BD	HIST1H2BD		160.4184411	134.6914373
194.0204637		113.7681703		
IGDCC4	IGDCC4	11.45846008	0 4.460240545	13.73064124
PPT2-EGFL8	PPT2-EGFL8		0 0	0 0.980760089
NFAM1	NFAM1	13.54181645	13.20504287	0 9.807600887
GJC1	GJC1	42.70880574	148.7768164	20.07108245
62.76864567				
TUB	TUB	7.291747321	3.521344766	45.71746559
18.63444168				
PHF14	PHF14	498.9638524	1021.189982	631.1240371
663.97458				
SAMD9	SAMD9	5081.306204	3976.478577	7833.297457
4100.557931				
TAS2R5	TAS2R5	6.250069132	4.401680957	11.15060136
3.923040355				
FREM3	FREM3	2.083356377	0.880336191	0 5.884560532
ORC3	ORC3	4155.254295	3413.063414	4544.985115
4632.129899				
ARHGAP33	ARHGAP33		38.54209298	144.3751354
22.30120273		41.19192372		
TTLL12	TTLL12	8081.339388	5911.457526	6346.922296
7171.317768				
CYP19A1	CYP19A1	5.208390943	14.96571525	0 4.903800443
EFR3A	EFR3A	6265.694305	6208.130822	6691.475878
5074.452699				
LSM8	LSM8	2838.573064	3522.225102	2689.525049
2504.861266				
COR02B	COR02B	6.250069132	0.880336191	0 8.826840798
EGR3	EGR3	151.0433374	302.8356499	210.7463658

546.2833694					
LOC285847	LOC285847		2.083356377	19.36739621	0
	7.846080709				
ARPC3	ARPC3	31162.84469	28894.39448	18234.57841	
19226.82078					
SMARCD3	SMARCD3	38.54209298	82.751602	128.2319157	
225.5748204					
COX19	COX19	1746.894322	1290.572857	2256.881716	
1634.927068					
MKI67	MKI67	12713.68229	29115.35886	5792.737408	
12636.11298					
PTPLA	PTPLA	207.2939596	178.7082469	118.1963744	
140.2486927					
SSU72	SSU72	9229.268752	8165.118176	8529.094982	
8199.154341					
DNAJC28	DNAJC28	17.70852921	15.84605145	49.062646	
44.13420399					
SDCBP	SDCBP	13593.90036	12959.42907	14486.86129	
13353.04861					
URM1	URM1	4353.173151	4046.025136	3048.574413	
3209.04701					
WDR26	WDR26	587.5064984	1210.462263	692.4523446	
719.8779051					
NRGN	NRGN	21.87524196	120.6060582	36.7969845	
32.36508293					
C10orf71	C10orf71		0	2.641008574	0
ZDHHC3	ZDHHC3	4622.967801	3927.17975	2805.491303	0
3146.278364					
ANP32A-IT1	ANP32A-IT1		32.29202385	23.76907717	
50.17770613	19.61520177				
LINC00520	LINC00520		0	0.880336191	0
0.980760089					
LINC00271	LINC00271		63.54236951	53.70050768	
25.64638313	39.23040355				
LINC00202-1	LINC00202-1		0	0	1.115060136
0.980760089					
KLF3-AS1	KLF3-AS1		243.7526962	336.2884251	
228.5873279	183.4021366				
LINC00264	LINC00264		4.166712755	4.401680957	0
0					
LOC284798	LOC284798		0	1.760672383	0
1.961520177					
H1FX-AS1	H1FX-AS1		103.1261407	279.9469089	
149.4180583	170.6522554				
LINC00486	LINC00486		0	0	7.805420954
1.961520177					
KLF14	KLF14	0	0	0.980760089	
TMC1	TMC1	0	0	1.961520177	
SEPN1	SEPN1	139.5848773	243.853125	612.1680148	
639.4555778					

CNOT7	CNOT7	9579.272623	9468.896075	9822.56474
9712.467158				
MPI	MPI	2466.693951	2476.385707	2159.871484
3134.509243				
EFNA3	EFNA3	15.62517283	84.51227438	61.32830749
83.36460754				
ITPR3	ITPR3	1204.179986	3541.592498	1181.963744
1711.426355				
COX6A1	COX6A1	21765.86575	19314.57604	17924.59169
17893.96782				
ACSM2B	ACSM2B	0	3.521344766	3.345180409
228.1275233				2.942280266
TMPPE	TMPPE	247.1515423	326.604727	243.0831097
CASR	CASR	0	0	18.95602232
6.865320621				
ANKRD50	ANKRD50	7.291747321	50.17916291	0
30.40356275				
PCDHGA1	PCDHGA1	4.166712755	7.923025723	45.71746559
10.78836098				
EIF4H	EIF4H	27460.72041	19642.94144	21222.93957
22335.83026				
ZFP91	ZFP91	2942.740883	3114.629445	2352.776888
2165.518276				
ROB03	ROB03	22.91692015	36.97412004	83.62951022
101.0182891				
RNF157	RNF157	2500.027653	2785.38371	1675.935385
1414.256048				
MRPS30	MRPS30	3685.457432	2766.016314	3055.264773
2993.279791				
TNFRSF12A	TNFRSF12A		244.7943743	186.6312726
218.5517867				
291.2857463				
FLT3LG	FLT3LG	2227.107967	938.4383801	1925.708855
832.6653153				
NDUFAB1	NDUFAB1	10245.94666	9844.799629	7870.094442
7707.793537				
NDUFA9	NDUFA9	15602.25591	11045.57819	9501.427421
9857.619651				
FYB	FYB	5816.731006	9102.676219	8157.779957
8202.096622				
BMP8B	BMP8B	92.70935879	84.51227438	154.9933589
171.6330155				
BICD1	BICD1	378.1291825	319.5620375	383.5806869
438.3997596				
PVALB	PVALB	1.041678189	0	0
0.980760089				
MAPK13	MAPK13	1931.271362	1717.535909	2460.937721
2664.725161				
4-Mar	4-Mar	0	0	4.903800443
0				
ATG4C	ATG4C	1382.306956	934.9170353	1398.285411
1150.431584				
MCEE	MCEE	592.7148894	537.0050768	492.8565802
523.7258873				
JPH3	JPH3	2.083356377	7.042689532	3.345180409

4.903800443				
SOSTDC1	SOSTDC1	2.083356377	0	0
WWC2	WWC2	1.041678189	3.521344766	383.5806869
266.7667441				
TMTC2	TMTC2	7.291747321	29.93143051	17.84096218
17.6536816				
USP54	USP54	272.9196854	311.6390118	408.1120099
240.2862217				
TNFAIP8L1	TNFAIP8L1		1198.971595	1641.826997
1120.635437		1328.92992		
WDR76	WDR76	3208.368821	4828.64401	2627.081681
3872.04083				
POU2F3	POU2F3	0	0.880336191	0
VANGL2	VANGL2	0	1.760672383	0
GALM	GALM	16931.43728	14008.78981	7809.881194
11051.20468				
LRRC37B	LRRC37B	283.3364673	379.4248985	422.6077916
291.2857463				
SLC2A13	SLC2A13	115.6262789	166.3835402	158.3385393
279.5166253				
MSC	MSC	673.9657881	1325.786304	585.4065715
983.7023689				
POLR3G	POLR3G	829.1758382	997.4209049	762.7011332
968.0102075				
IGF2BP1	IGF2BP1	0	1.760672383	0
CCBL2	CCBL2	2503.152687	2137.456273	1966.96608
2697.090244				
SLC44A2	SLC44A2	12281.38584	11392.43065	11160.6369
10847.20658				
ECT2L	ECT2L	6.250069132	10.5640343	47.94758586
15.69216142				
ZNF384	ZNF384	3056.283806	3883.16294	3753.292419
3506.217317				
GS1-259H13.2	GS1-259H13.2		56.25062219	34.33311147
76.9391494		39.23040355		
CCDC149	CCDC149	0	6.16235334	0
ABHD14B	ABHD14B	2028.147433	2180.592746	2065.091372
2787.320172				
C4orf51	C4orf51	0	0.880336191	0
FAM186A	FAM186A	3.125034566	1.760672383	6.690360818
0.980760089				
CEP170B	CEP170B	10.41678189	38.73479242	16.72590204
24.51900222				
MCC	MCC	430.2130919	533.483732	254.2337111
358.9581925				
MC1R	MC1R	11.45846008	69.54655912	1.115060136
31.38432284				
NRP1	NRP1	138.5431991	111.8026963	69.13372845
40.21116364				
COX20	COX20	3085.450795	2475.50537	2537.87687

2566.649152					
SLC25A32	SLC25A32		6230.277247		5321.632277
6096.033765	5996.367182				
TCEAL1 TCEAL1	163.5434756		209.5200136		266.4993726
387.400235					
ACOX3 ACOX3	1591.684272		1390.931182		1034.775806
1601.581225					
ACOX2 ACOX2	0 0		1.115060136		0
SLC8B1 SLC8B1	1839.603681		1621.579265		2642.692523
2452.880982					
NRSN2 NRSN2	311.4617784		357.4164937		179.5246819
436.4382395					
MRPL37 MRPL37	14701.20428		9615.031883		8602.688951
9341.739845					
RBM3 RBM3	18065.82483		13059.7874		12644.78195
11762.25574					
PPP1R1A PPP1R1A	1.041678189		1.760672383		0 0
PLD6 PLD6	1672.935171		845.1227438		1426.161914
1262.238234					
FTSJ2 FTSJ2	4450.049222		3124.313143		3284.967161
3670.004252					
PSMC5 PSMC5	18366.86982		12925.09596		11544.21759
12723.40063					
CR1 CR1	0 0		0 3.923040355		
MIR602 MIR602	1.041678189		0 0		0.980760089
MIR601 MIR601	0 0		0 1.961520177		
MIR600 MIR600	0 0		1.115060136		2.942280266
MIR599 MIR599	0 0.880336191		0 0		
MIR597 MIR597	1.041678189		0 1.115060136		0.980760089
MIR593 MIR593	0 1.760672383		3.345180409		2.942280266
MIR550A2	MIR550A2		0 0.880336191		0
0.980760089					
MIR550A1	MIR550A1		0 1.760672383		0 0
YDJC YDJC	2587.528621		2019.491223		2629.311801
2492.111385					
GPATCH8 GPATCH8	3100.03429		3901.65 4135.758045		3652.35057
LOC100129518	LOC100129518		858.3428275		635.6027302
547.4945269	762.0505889				
KCNC4 KCNC4	47.91719668		200.7166516		168.3740806
252.0553428					
RAB6C-AS1	RAB6C-AS1		0 0		0 3.923040355
SNHG4 SNHG4	87.50096785		172.5458935		156.1084191
149.0755335					
ANGPT2 ANGPT2	133.3348082		102.9993344		130.4620359
122.5950111					
LCN15 LCN15	0 0		0 0.980760089		
SPACA5 SPACA5	0 0		4.460240545		0
C7orf55-LUC7L2	C7orf55-LUC7L2		10839.70323		10278.80537
10681.16105	10351.92274				
HYLS1 HYLS1	1496.891557		971.0108192		829.6047414

815.0116337					
CCNY	CCNY	1861.478923	1446.392363	2194.438348	
1788.906402					
OSBPL7	OSBPL7	493.7554614	779.0975294	301.0662368	
569.8216115					
THEM5	THEM5	264.5862599	277.3059003	366.8547848	
524.7066474					
PRSS27	PRSS27	9.375103698	20.2477324	6.690360818	
11.76912106					
MAGT1	MAGT1	6719.865995	6172.917374	5361.209135	
5422.62253					
POM121C	POM121C	1718.769011	2493.112094	1834.273924	
2223.383121					
LOC101927830	LOC101927830		2.083356377	2.641008574	
2.230120273	7.846080709				
KLHL32	KLHL32	21.87524196	33.45277527	88.08975076	
85.32612771					
PHEX	PHEX	67.70908227	205.1183326	112.6210738	
356.0159122					
ATP6V0C	ATP6V0C	1167.72125	2849.648252	1711.617309	
1143.566263					
EEA1	EEA1	402.0877808	643.5257559	1202.034827	
856.2035574					
KYNU	KYNU	0	5.282017149	0	10.78836098
RTDR1	RTDR1	0	0.880336191	0	0
ANKIB1	ANKIB1	635.4236951	1128.590997	553.0698276	
674.762941					
DKK2	DKK2	0	0	0	0.980760089
CLPTM1	CLPTM1	1642.726504	2821.477494	1215.415549	
1278.911156					
MIS18A	MIS18A	1519.808477	1592.52817	912.1191915	
1077.855337					
CCDC93	CCDC93	1750.019357	1962.269371	2050.595591	
2148.845354					
SIN3A	SIN3A	2702.113221	5430.793965	3655.167127	
4149.595935					
KLRF1	KLRF1	14.58349464	8.803361914	2.230120273	
15.69216142					
DGKA	DGKA	17072.06383	15919.11935	11194.08871	
18067.56235					
STT3A	STT3A	18975.20989	13091.4795	12765.20844	
12787.15004					
SCIN	SCIN	20.83356377	10.5640343	89.2048109	
32.36508293					
PI16	PI16	101.0427843	182.2295916	31.22168382	
28.44204257					
KIAA1919	KIAA1919		368.7540788	269.3828746	
217.4367266	269.7090244				
CHDC2	CHDC2	0	0	0	1.961520177
CD01	CD01	19.79188559	4.401680957	4.460240545	0

AHRR	AHRR	2978.157941	2587.308067	2080.702214	
2214.55628					
MRPL46	MRPL46	3315.661675	2376.027381	2851.208768	
2452.880982					
ZNF165	ZNF165	61.45901313	69.54655912	120.4264947	
110.82589					
KRT8	KRT8	36.4587366	29.93143051	100.3554123	
92.19144833					
ZSCAN20	ZSCAN20	68.75076045	113.5633687	223.0120273	
58.84560532					
SYAP1	SYAP1	2742.738671	2020.371559	2850.093708	
2182.191197					
FANK1	FANK1	105.2094971	52.82017149	82.51445008	
44.13420399					
ENTHD2	ENTHD2	246.8777307	559.0134816	196.250584	
244.2092621					
LIG3	LIG3	2212.524473	2839.964554	2318.210023	
2824.589055					
CD300LF	CD300LF	0	0.880336191	0	
ADD2	ADD2	119.7929917	228.0070736	108.1608332	
269.7090244					
KCNJ15	KCNJ15	40.62544936	60.74319721	49.062646	
48.05724434					
CYB561D2	CYB561D2		3472.955081	2500.154784	
2244.616054	2140.999274				
PNRC1	PNRC1	1768.769564	2912.152121	10310.96108	
7375.315867					
DNASE1L2	DNASE1L2		3.125034566	4.401680957	0
4.903800443					
TXK	TXK	853.1344365	1434.947992	1755.104654	
2313.613049					
KHNYN	KHNYN	5824.022753	6842.853216	8827.931099	
8455.132724					
EHMT1-IT1	EHMT1-IT1		3.125034566	14.08537906	
1.115060136	1.961520177				
LINC00115	LINC00115		37.50041479	44.89714576	
31.22168382	31.38432284				
RRN3P3	RRN3P3	709.3828465	937.5580439	500.6620012	
671.8206607					
MX1	MX1	34555.59055	13131.97497	36009.75204	
12931.32177					
C6orf223	C6orf223		0	0.880336191	0
0.980760089					
DAGLB	DAGLB	1158.346146	1081.052843	1148.51194	
967.0294474					
PAQR7	PAQR7	13.54181645	37.85445623	20.07108245	
20.59596186					
LCE1C	LCE1C	0	7.805420954	0	
MIR658	MIR658	77.08418596	66.02521436	52.4078264	
46.09572417					

UNQ6494	UNQ6494	2028.147433	1357.478407	525.1933242	
578.6484523					
AGPAT4-IT1	AGPAT4-IT1		16.66685102	10.5640343	0
	22.55748204				
VAT1	VAT1	1119.804053	1084.574188	2069.551613	
1746.733718					
BAI2	BAI2	2.083356377	7.042689532	0	18.63444168
RBP2	RBP2	2.083356377	0	5.575300681	0.980760089
RAB27B	RAB27B	17.70852921	70.42689532	140.4975772	
95.1337286					
LTBR	LTBR	14.58349464	3.521344766	17.84096218	
24.51900222					
IRF2	IRF2	7956.338005	8271.638855	8225.798625	
7106.587602					
ANKRD29	ANKRD29	13.54181645	22.00840479	13.38072164	0
CYP17A1	CYP17A1	4.166712755	0.880336191	0	0
COL4A4	COL4A4	1.041678189	9.683698106	20.07108245	
8.826840798					
PCYT1A	PCYT1A	2667.737841	1768.595409	1865.495608	
1370.121844					
LOC103611081	LOC103611081		11.45846008	41.375801	
73.59396899	41.19192372				
SYNP02L	SYNP02L	0	0	0.980760089	
MAP6D1	MAP6D1	191.6687867	186.6312726	288.8005753	
295.2087867					
CAV1	CAV1	104.1678189	36.97412004	92.54999131	
102.9798093					
PRPS1	PRPS1	2452.110456	4760.858123	3164.540667	
3009.952712					
SPSB2	SPSB2	327.0869513	462.1765005	410.3421301	
492.3415645					
ARC	ARC	5.208390943	12.32470668	51.29276627	
24.51900222					
TRAPPC1	TRAPPC1	4503.17481	6818.203803	3305.038244	
3834.771947					
WFDC1	WFDC1	13.54181645	0	0	0
SNRPB2	SNRPB2	4565.675501	4606.79929	4038.747814	
3743.561258					
CDCA5	CDCA5	10098.02836	9053.377393	5390.200699	
7082.0686					
MED31	MED31	1246.888792	1288.812184	1302.390239	
1319.122319					
LOC100507547	LOC100507547		0	1.760672383	4.460240545
	1.961520177				
ATMIN	ATMIN	6379.237228	5083.941506	6356.957837	
5138.202105					
FAM118A	FAM118A	2465.652273	2233.412918	3224.753914	
3110.971001					
NKX3-1	NKX3-1	3.125034566	34.33311147	54.63794668	
60.8071255					

CLUH	CLUH	2661.487772	3815.377054	3155.620186	
3245.335133					
SCN9A	SCN9A	16.66685102	97.71731725	0	12.74988115
LOC339059	LOC339059	0	2.641008574	0	0
HDDC3	HDDC3	1975.021846	1310.820589	1512.021545	
1496.639895					
SIGLEC5	SIGLEC5	0	2.641008574	0	0
RTN2	RTN2	32.29202385	91.55496391	47.94758586	
50.99952461					
CNTN3	CNTN3	1.041678189	0	0	0
ANK3	ANK3	765.6334687	882.0968638	2045.02029	
1512.332057					
CTAGE9	CTAGE9	1.041678189	0	0	0
IFNG	IFNG	5175.057241	6215.173512	5564.15008	
5239.220394					
MAN2B1	MAN2B1	8246.96622	6449.342938	4415.63814	
5820.811126					
PPP6R2	PPP6R2	3658.373799	4105.007661	2751.968416	
3504.255797					
KCTD14	KCTD14	39.58377117	19.36739621	42.37228518	
22.55748204					
AACS	AACS	1036.469798	840.7210628	909.8890712	
1004.298331					
MIR548K	MIR548K	1.041678189	1.760672383	0	0
MIR1287	MIR1287	4.166712755	7.042689532	0	4.903800443
MIR1207	MIR1207	0	2.230120273	0	0
PIEZ01	PIEZ01	4529.216764	9933.713584	3311.728605	
4137.826814					
DZIP3	DZIP3	1092.72042	1130.35167	991.2884611	
1077.855337					
C4BPA	C4BPA	0	2.230120273	0.980760089	
PGD	PGD	9273.019236	7563.848557	5312.146489	
5662.908752					
JUNB	JUNB	20374.18369	22284.83035	16266.49727	
25342.84069					
JUN	JUN	1658.351676	1348.675045	1615.722137	
1110.22042					
ITPR2	ITPR2	892.7182077	1146.197721	1231.02639	
1261.257474					
CDCA7L	CDCA7L	5334.434004	4760.858123	3439.96052	
3118.817082					
CCL2	CCL2	0	1.760672383	2.230120273	0
CCL1	CCL1	166.6685102	1222.78697	989.0583409	
1123.951062					
CPSF1	CPSF1	5510.477618	7033.88617	3828.001448	
5865.92609					
ARFGEF1	ARFGEF1	2817.7395	4573.346515	4420.09838	
3622.927768					
SLC6A13	SLC6A13	7.291747321	6.16235334	0	0
LINC00842	LINC00842	0	0	1.115060136	

4.903800443					
LYNX1	LYNX1	4.166712755	7.923025723	35.68192436	
3.923040355					
CAMKV	CAMKV	0	14.08537906	0	18.63444168
ZNF317	ZNF317	3792.750285	2989.621706	4393.336937	
4038.770045					
ANAPC13	ANAPC13	1854.187176	1729.860616	3536.970752	
2507.803547					
YIPF3	YIPF3	4765.677713	4272.271537	3998.605649	
3912.251994					
TECPR1	TECPR1	836.4675855	1470.16144	911.0041313	
610.0327752					
ICOS	ICOS	21295.02721	13698.91148	14033.03181	
12155.54054					
SCUBE1	SCUBE1	18.7502074	140.8537906	0	2.942280266
AUNIP	AUNIP	1671.893493	1297.615546	1422.816734	
1259.295954					
GIT2	GIT2	10314.69742	8569.192487	7166.491496	
7959.84888					
COL16A1	COL16A1	7.291747321	1.760672383	13.38072164	
3.923040355					
IGSF9	IGSF9	6.250069132	5.282017149	10.03554123	
9.807600887					
LOC728637	LOC728637	0	0	7.805420954	
1.961520177					
NET01	NET01	0	10.5640343	0	
APLP1	APLP1	23.95859834	38.73479242	42.37228518	
17.6536816					
TBC1D10A	TBC1D10A		1931.271362	1916.491889	
1602.341416		1987.01994			
ZNF512B	ZNF512B	254.169478	530.8427234	150.5331184	
254.016863					
ANG	ANG	85.41761147	52.82017149	73.59396899	
46.09572417					
LRRIQ3	LRRIQ3	108.3345316	88.03361914	154.9933589	
96.11448869					
LM07	LM07	171.8769011	276.4255641	1479.684801	
1260.276714					
CLASP2	CLASP2	3233.369098	4735.328374	3089.831638	
3083.509719					
POU2F2	POU2F2	942.7187608	1023.830991	607.7077743	
917.991443					
EDF1	EDF1	8995.932838	8341.185414	7864.519141	
7650.909452					
DACH2	DACH2	0	0	3.345180409	0
SELO	SELO	1307.306127	1085.454524	802.8432981	
1127.874102					
AMMECR1L	AMMECR1L		1621.89294	1720.176918	
1742.838993		1513.312817			
SDC1	SDC1	10.41678189	18.48706002	0	12.74988115

SH3GL1	SH3GL1	1208.346699	2007.166516	1147.39688
1322.0646				
ITSN1	ITSN1	182.293683	183.990264	248.6584104
152.0178137				
GNB1	GNB1	24212.76782	22616.71709	16680.18458
18080.31223				
CASP3	CASP3	23217.96515	14954.27088	10358.90867
9982.176182				
BAD	BAD	2137.523643	1758.031374	1073.802911
1445.640371				
TAPBP	TAPBP	532.2975544	596.8679378	698.0276453
897.3954811				
HIST1H2AJ	HIST1H2AJ		126.0430608	275.5452279
92.54999131	75.51852683			
HIST1H2BJ	HIST1H2BJ		81.25089872	94.19597248
40.14216491	17.6536816			
LMTK2	LMTK2	465.6301503	953.4040953	1115.060136
625.7249366				
KDM1A	KDM1A	8263.633071	8103.494642	6572.164443
8537.516572				
TIMP3	TIMP3	3.125034566	5.282017149	0 0
KLRC2	KLRC2	3.125034566	0 6.690360818	1.961520177
KLK1	KLK1	4.166712755	14.08537906	7.805420954
9.807600887				
KISS1	KISS1	0 0.880336191	0	0
SLC33A1	SLC33A1	2808.364397	2023.012568	2455.36242
2124.326352				
GRHL2	GRHL2	1.041678189	4.401680957	0 0
PCMT1	PCMT1	14428.28459	11203.15837	10822.77368
10065.54079				
PRKCE	PRKCE	61.45901313	103.8796706	243.0831097
188.305937				
PIGK	PIGK	3271.911191	2590.829411	2531.186509
2815.762215				
MED16	MED16	5836.522891	6206.37015	4591.817641
6156.231077				
CNPY3	CNPY3	2597.945403	2581.145713	3722.070735
3146.278364				
DNAJC4	DNAJC4	407.2961718	556.372473	510.6975424
751.2622279				
LGALS8	LGALS8	7178.204398	6343.702596	6645.758412
7508.699239				
RPS21	RPS21	5202.140874	7399.225689	6488.534933
6274.903047				
DSP	DSP	5.208390943	0 43.48734531	12.74988115
RBBP9	RBBP9	1431.265831	1564.357412	1496.410703
1579.023743				
C19orf53	C19orf53		4320.881127	3923.658405
4158.059248	3676.869572			
SPACA6P-AS	SPACA6P-AS		0 0 0	5.884560532

MGAT3	MGAT3	7.291747321	22.00840479	22.30120273	0
ERH	ERH	4133.379053	6782.110019	3696.424352	
3371.853185					
EPHB4	EPHB4	4.166712755	11.44437049	23.41626286	
12.74988115					
NME1	NME1	17444.98463	14082.73805	13837.89629	
14700.61297					
ZNF565	ZNF565	191.6687867	146.1358078	342.3234618	
302.0741073					
CENPN	CENPN	7464.6659	7533.03679	5220.711558	
5247.066474					
ZNF576	ZNF576	638.5487297	692.8245827	748.2053514	
650.2439388					
C19orf57	C19orf57		139.5848773	161.9818592	
177.2945617	301.0933472				
NUDT16	NUDT16	639.5904079	1041.437714	335.633101	
565.8985712					
TBX2	TBX2	0	14.49578177	0	
RNMTL1	RNMTL1	2728.155176	2059.986688	2580.249155	
2482.303784					
SRD5A3	SRD5A3	1147.929364	1243.915039	761.5860731	
1132.777902					
HECTD3	HECTD3	4596.925847	3702.694021	4130.182745	
3761.21494					
KIAA1551	KIAA1551		9514.688576	9505.870195	
16676.8394	13119.62771				
NADSYN1	NADSYN1	3680.249041	3570.643592	2251.306415	
3420.891189					
TFAP2A	TFAP2A	4.166712755	9.683698106	2.230120273	
7.846080709					
LONRF3	LONRF3	62.50069132	46.65781815	341.2084017	
211.8441792					
UBQLN3	UBQLN3	0	0	3.923040355	
LOC101929829	LOC101929829		9.375103698	21.12806859	
16.72590204	14.71140133				
CELSR3-AS1	CELSR3-AS1		1.041678189	9.683698106	0
6.865320621					
TBX1	TBX1	2.083356377	10.5640343	1.115060136	
7.846080709					
ZKSCAN4	ZKSCAN4	279.1697546	237.6907717	546.3794668	
439.3805197					
UBOX5	UBOX5	1362.515071	1168.206126	1238.831811	
1218.10403					
LGALS3	LGALS3	9304.269581	7078.783315	4590.702581	
4910.665764					
RGPD4	RGPD4	12.50013826	0.880336191	14.49578177	
2.942280266					
ACTR8	ACTR8	4361.506576	2474.625034	3384.207514	
2509.765067					
UBE2F-SCLY	UBE2F-SCLY		8065.714215	7269.816269	

5442.608525	6318.056491			
TFRC TFRC	116634.6234	128173.4281	47662.13046	
79198.33868				
TDRD10 TDRD10	0 0	12.2656615	0	
C8orf37-AS1	C8orf37-AS1	8.33342551	2.641008574	
2.230120273	6.865320621			
LINC00948	LINC00948	0	2.641008574	1.115060136
0				
SAMD3 SAMD3	1795.853197	1101.300575	415.9174308	
397.2078359				
OSGIN1 OSGIN1	113.5429226	22.88874098	181.7548022	
33.34584301				
LOC100505716	LOC100505716	22.91692015	47.53815434	
49.062646	58.84560532			
SSR4P1 SSR4P1	4.166712755	27.29042193	31.22168382	
40.21116364				
UCKL1-AS1	UCKL1-AS1	179.1686485	205.1183326	
147.187938	187.3251769			
LOC399815	LOC399815	139.5848773	154.0588335	
131.5770961	168.6907353			
MGC45800	MGC45800	0 0	0 0.980760089	
C1orf220	C1orf220	1.041678189	7.923025723	
12.2656615	7.846080709			
CCT4 CCT4	23692.9704	20069.02416	20682.13541	
25546.83879				
KC6 KC6	0 0	3.345180409	0	
SNORA57 SNORA57	12.50013826	21.12806859	12.2656615	
20.59596186				
SNORA16B	SNORA16B	1.041678189	0 0	
4.903800443				
SCARNA14	SCARNA14	2.083356377	6.16235334	0
1.961520177				
SNAR-G1 SNAR-G1	0 2.641008574	0	0.980760089	
SNORD105	SNORD105	4.166712755	1.760672383	
11.15060136	1.961520177			
SNORD104	SNORD104	17.70852921	18.48706002	
18.95602232	28.44204257			
SNORD96B	SNORD96B	0 0	1.115060136	0
SNORD94 SNORD94	14.58349464	22.00840479	15.61084191	
18.63444168				
STAP2 STAP2	429.1714137	357.4164937	276.5349138	
383.4771947				
CADM2 CADM2	4.166712755	29.05109432	22.30120273	
50.01876452				
MINA MINA	11578.25307	4936.045025	4129.067685	
3577.812803				
TSC22D2 TSC22D2	827.0924818	886.4985448	1634.67816	
1099.432059				
URB2 URB2	2460.443882	2576.744032	2672.799147	
3113.913282				

PDGFRA	PDGFRA	82.29257691	56.34151625	16.72590204
3.923040355				
PDE6H	PDE6H	2.083356377	0	5.884560532
PAX9	PAX9	0	1.760672383	2.230120273
3.923040355				
CRABP1	CRABP1	2.083356377	3.521344766	0
ZNF295-AS1	ZNF295-AS1	8.92048109	1.041678189	14.08537906
54.92256497				
NMT2	NMT2	2175.024058	1155.881419	1791.901639
1290.680277				
MLXIP	MLXIP	1494.808201	2553.855291	2610.355779
2250.844403				
C20orf173	C20orf173		0	2.230120273
6.865320621				
XDH	XDH	7.291747321	0	1.961520177
PTMA	PTMA	59768.36943	73226.3644	54506.36958
56113.20771				
MROH1	MROH1	1095.845455	1489.528836	1078.263152
1494.678375				
CCDC17	CCDC17	11.45846008	16.72638764	37.91204463
16.67292151				
EFCAB13	EFCAB13	51.04223125	34.33311147	287.6855152
143.1909729				
ECI2	ECI2	3207.327143	3668.36091	4153.599008
4125.076933				
E0GT	E0GT	1750.019357	1993.081137	1128.440858
1441.71733				
ADTRP	ADTRP	1642.726504	1044.959059	1898.947412
1376.006404				
PLEKHA8	PLEKHA8	423.9630228	688.4229017	626.6637966
702.2242235				
TMEM5	TMEM5	1525.016868	1097.779231	1447.348057
1453.486451				
HSPA1B	HSPA1B	85.41761147	56.34151625	132.6921562
89.24916807				
EGFL7	EGFL7	47.91719668	34.33311147	55.75300681
52.96104479				
ZNF134	ZNF134	1192.721526	1065.206792	1417.241433
1185.738947				
ECI1	ECI1	2304.192153	2648.9316	1745.069113
2215.53704				
PHC2	PHC2	3143.784773	2796.82808	3359.676191
3185.508768				
SEC24D	SEC24D	5809.439258	5036.403351	4150.253827
3370.872425				
POLE	POLE	2286.483624	6117.456194	1934.629336
3017.798793				
ALDH18A1	ALDH18A1		10586.57543	8804.242251
6168.512674	9448.642694			
ZNF585B	ZNF585B	266.6696163	360.9378385	1273.398676
691.4358625				

FAM58A	FAM58A	1898.979338	1299.376219	1617.952258	
1420.140608					
PARS2	PARS2	517.7140598	422.5613719	608.8228344	
567.8600913					
OLFML2B	OLFML2B	4.166712755	7.923025723	0	3.923040355
GORAB	GORAB	735.4248012	649.6881093	758.2408927	
725.7624656					
LOC643072	LOC643072		89.58432423	50.17916291	
55.75300681	78.46080709				
RAET1G	RAET1G	1.041678189	0	0	6.865320621
FRRS1	FRRS1	1.041678189	15.84605145	0	5.884560532
VSIG8	VSIG8	3.125034566	11.44437049	18.95602232	
9.807600887					
SLC2A4RG	SLC2A4RG		84.37593328	520.2786891	
78.05420954	156.9216142				
ASB8	ASB8	2805.239362	2195.558461	3199.107531	
2513.688107					
TUBA4A	TUBA4A	29316.99094	27568.60817	15608.61179	
23280.30222					
FRS3	FRS3	87.50096785	100.3583258	93.66505145	
126.5180514					
MIR3610	MIR3610	16.66685102	36.09378385	12.2656615	
11.76912106					
MIR3607	MIR3607	1.041678189	3.521344766	3.345180409	
1.961520177					
MIR3605	MIR3605	327.0869513	238.5711079	364.6246646	
305.9971477					
PRH1-PRR4	PRH1-PRR4		977.094141	775.5761847	
899.85353	866.0111583				
LOC731424	LOC731424		6.250069132	3.521344766	0
2.942280266					
PPP2R1A	PPP2R1A	20375.22537	16383.05652	16306.63943	
19188.57113					
EVI2A	EVI2A	1966.68842	2226.370228	2788.765401	
2356.766493					
SCAMP3	SCAMP3	10701.16003	7312.952742	8454.385953	
8318.807072					
GPC6	GPC6	0	0.880336191	0	0
TMEM121	TMEM121	214.5857069	241.2121165	169.4891407	
298.151067					
SLC30A2	SLC30A2	0	0.880336191	0	0
TIMM21	TIMM21	3141.701417	2490.471086	2725.206973	
3152.162925					
MED13L	MED13L	232.2942361	645.2864283	619.9734358	
515.8798066					
TNFSF15	TNFSF15	4.166712755	3.521344766	8.92048109	
16.67292151					
CCDC42	CCDC42	1.041678189	8.803361914	17.84096218	
0.980760089					
TAPBPL	TAPBPL	2961.49109	2205.24216	2535.64675	

2251.825164				
SPSB1	SPSB1	2046.897641	4117.332367	651.1951196
1096.489779				
CTNNBIP1	CTNNBIP1		159.3767629	280.8272451
234.1626286		241.2669818		
ADCK3	ADCK3	3995.877532	2815.31514	5205.100716
3817.118265				
BMP2K	BMP2K	597.9232803	882.9772	385.8108071
297.1703069				
SPOCK1	SPOCK1	45.8338403	9.683698106	4.460240545
6.865320621				
PCNXL2	PCNXL2	473.9635759	753.5677799	509.5824823
502.1491654				
RAB2B	RAB2B	1026.053016	927.8743458	1028.085446
878.7610394				
CCDC136	CCDC136	86.45928966	82.751602	142.7276974
123.5757712				
SPDYC	SPDYC	0	0	6.690360818
1.961520177				
RUSC1-AS1	RUSC1-AS1		2791.697546	3144.560876
1707.157069		2755.935849		
MED20	MED20	2708.363291	2423.565535	1512.021545
1643.753909				
CHST3	CHST3	14.58349464	79.23025723	18.95602232
2.942280266				
MIA-RAB4B	MIA-RAB4B		1948.979891	1964.910379
1567.774552		1646.696189		
UGP2	UGP2	16700.18472	10147.63528	9591.747292
8458.075005				
MLLT3	MLLT3	2673.98791	1560.836067	2126.41968
1834.021366				
DHRS7	DHRS7	4681.30178	4168.391866	6315.700612
5597.197826				
TMEM19	TMEM19	1566.683996	1936.739621	1353.683005
1581.966023				
PRIM1	PRIM1	3682.332397	3506.37905	3196.877411
3347.334183				
SVIL	SVIL	248.9610871	522.9196977	386.9258673
823.8384745				
SUV39H1	SUV39H1	5250.058071	4558.380799	2843.403347
3358.122544				
SURF1	SURF1	2304.192153	1616.297247	2514.460607
1680.042032				
RGS16	RGS16	1752.102713	404.0743119	4166.979729
2382.266255				
C21orf2	C21orf2	654.1739025	712.1919789	924.384853
794.4156718				
ABCA13	ABCA13	5.208390943	0.880336191	2.230120273
0.980760089				
DNAJC18	DNAJC18	1386.473669	1353.957062	1012.474604
1213.20023				

SLC23A1	SLC23A1	18.7502074	16.72638764	7.805420954
6.865320621				
CMBL	CMBL	39.58377117	31.69210289	71.36384872
61.78788559				
ACMSD	ACMSD	15.62517283	10.5640343	22.30120273
15.69216142				
PPP1CC	PPP1CC	14379.32572	15110.09039	13830.09087
14215.13673				
SLIRP	SLIRP	6074.025518	6270.634692	4905.149539
5257.854835				
OSTC	OSTC	7563.625328	6525.932187	6012.404255
4860.646999				
LAYN	LAYN	888.551495	402.3136395	962.2968976
597.282894				
LOC100506804	LOC100506804		21.87524196	21.12806859
70.24878858	21.57672195			
LOC441454	LOC441454		6.250069132	15.84605145
2.230120273	2.942280266			
FAM183B	FAM183B	0	2.230120273	0
ACOT11	ACOT11	81.25089872	87.15328295	12.2656615
118.6719707				
TMEM98	TMEM98	14.58349464	27.29042193	7.805420954
12.74988115				
TERF2IP	TERF2IP	10440.74049	7903.658327	12161.96091
9578.103026				
TMX4	TMX4	3552.122623	4740.610391	3383.092453
3417.948909				
TRIM33	TRIM33	3351.078733	3466.763922	4061.049016
3321.83442				
CRTAP	CRTAP	2035.439181	2540.650248	1964.73596
2297.920888				
BORA	BORA	4614.634376	4090.922282	2295.908821
3183.547248				
C17orf59	C17orf59		1240.638723	936.6777077
1278.973976	846.3959565			
CROT	CROT	742.7165485	578.3808778	882.0125678
691.4358625				
BCKDHA	BCKDHA	4134.420731	3406.901061	3954.003243
4699.802345				
CREG1	CREG1	3033.366885	2410.360492	2049.48053
1325.98764				
TNC	TNC	25.00027653	5.282017149	36.7969845
23.53824213				
COL17A1	COL17A1	3.125034566	0	0
RPS7	RPS7	8683.429381	10666.1533	9093.315411
9889.984734				
OPRD1	OPRD1	0	3.521344766	0
IGSF10	IGSF10	1.041678189	5.282017149	0
PES1	PES1	8426.134868	5557.562377	7403.999305
7535.179761				

PPP2R5D	PPP2R5D	7657.376365	8707.40527	5931.004865
6977.127271				
SYCE3	SYCE3	3.125034566	13.20504287	2.230120273
12.74988115				
ENTPD6	ENTPD6	2137.523643	1728.98028	2427.485917
2515.649627				
LAMA4	LAMA4	4.166712755	0	0.980760089
GNG12	GNG12	18.7502074	22.88874098	45.71746559
23.53824213				
TRMT61A	TRMT61A	1943.7715	1083.693852	2222.314852
1827.156045				
ZNF354B	ZNF354B	143.75159	144.3751354	344.5535821
257.9399033				
PKHD1L1	PKHD1L1	0	2.230120273	2.942280266
TATDN1	TATDN1	1437.5159	1063.446119	1654.749242
1745.752958				
ELAVL4	ELAVL4	0	31.22168382	0
PGPEP1	PGPEP1	414.5879191	562.5348263	441.563814
505.0914457				
LPIN3	LPIN3	9.375103698	17.60672383	13.38072164
9.807600887				
ADAMTS6	ADAMTS6	19.79188559	65.14487817	16.72590204
23.53824213				
TMED7	TMED7	3908.376564	3563.600903	4597.392942
3346.353423				
ESAM	ESAM	9.375103698	6.16235334	31.22168382
42.17268381				
STK40	STK40	6407.362539	6240.703261	5520.662735
5243.143434				
RNF26	RNF26	5414.643225	5326.033958	3433.27016
5073.471939				
SYT16	SYT16	0	4.460240545	0
TSPAN7	TSPAN7	7.291747321	5.282017149	13.38072164
31.38432284				
CEP95	CEP95	1357.30668	1211.342599	1580.040213
1325.00688				
LRRC16B	LRRC16B	39.58377117	28.17075813	3.345180409
34.3266031				
UBE2E2	UBE2E2	247.9194089	182.2295916	412.5722504
422.7075982				
INSIG1	INSIG1	8246.96622	22276.90732	5516.202494
10956.07095				
LOC101927314	LOC101927314		0	2.641008574
0.980760089				0
IGFBP7	IGFBP7	363.5456879	403.1939757	403.6517693
420.746078				
DNAJC9	DNAJC9	13755.36048	10824.61381	9340.858761
9324.086163				
ARHGAP30	ARHGAP30		19961.67913	22809.51072
11728.20251	16472.84645			

TMC04	TMC04	1154.179433	1067.8478	918.8095523	
1169.066026					
ITGB8	ITGB8	25.00027653	41.375801	12.2656615	
14.71140133					
KAZN	KAZN	10.41678189	29.93143051	36.7969845	
35.30736319					
MOV10	MOV10	5280.266739	6426.454197	7121.88909	
7147.779526					
SMIM3	SMIM3	1471.891281	890.0198895	1286.779397	
1289.699517					
ZNF833P	ZNF833P	2.083356377	7.923025723	0	0
LINC00861	LINC00861		225.0024888	448.9714576	
1497.525763	593.3598536				
THRSP	THRSP	19.79188559	7.923025723	13.38072164	
10.78836098					
EIF2B1	EIF2B1	9824.066998	6744.255563	7098.472827	
7306.662661					
CHUK	CHUK	6154.234739	5061.052765	4863.892314	
4147.634415					
THOP1	THOP1	6211.527039	5050.48873	4018.676731	
4614.476217					
MBOAT7	MBOAT7	1885.437522	2676.222022	2046.13535	
1988.0007					
LOC100132831	LOC100132831		3.125034566	0.880336191	0
0					
FBX027	FBX027	80.20922053	8.803361914	52.4078264	
32.36508293					
PGK1	PGK1	77236.27098	64570.89897	56658.43564	
83215.532					
SAP30	SAP30	1527.100225	1154.120747	935.5354543	
986.6446492					
MITD1	MITD1	2636.487496	3055.64692	3090.946698	
3186.489528					
ZNF708	ZNF708	703.1327774	644.4060921	1087.183633	
770.8774297					
EXOSC1	EXOSC1	3854.209298	2665.657988	3538.085812	
3029.567914					
ATP1A1-AS1	ATP1A1-AS1		1134.387547	1601.331532	
1280.089036	1177.892866				
RNU5D-1	RNU5D-1	0	0.880336191	1.115060136	0
RNU5F-1	RNU5F-1	0	5.282017149	0	0.980760089
SNORD44	SNORD44	65.62572589	19.36739621	69.13372845	
72.57624656					
PLA1A	PLA1A	21.87524196	3.521344766	3.345180409	
2.942280266					
C7orf61	C7orf61	7.291747321	36.09378385	36.7969845	
15.69216142					
RIOK1	RIOK1	4744.84415	2990.502042	4749.04112	
4316.32515					
MARVELD1	MARVELD1		75.00082959	105.640343	

75.82408927		107.8836098			
IL17C	IL17C	0	0	1.115060136	7.846080709
CHRAC1	CHRAC1	3004.199896		3157.765919	3059.725014
3045.260075					
POLE3	POLE3	13242.85481		9951.320308	10123.63098
9845.85053					
GSAP	GSAP	166.6685102		224.4857288	211.8614259
326.5931095					
DNAJC2	DNAJC2	2357.317741		1826.697597	2593.629877
2336.170531					
LYRM1	LYRM1	2165.648954		1516.819258	2136.455221
1727.118516					
MED15	MED15	4315.672736		4816.319303	4994.35435
4588.976455					
LINC01315	LINC01315			2.083356377	2.641008574
1.115060136	0.980760089				
SMAD1	SMAD1	303.1283529		375.9035537	151.6481785
223.6133002					
FOXN3	FOXN3	3459.413265		3061.809274	3176.806328
3313.98834					
SPINT1	SPINT1	209.3773159		189.2722812	286.570455
605.1289747					
CA9	CA9	0	0.880336191	13.38072164	34.3266031
CCDC89	CCDC89	0	0	1.115060136	0
PARD6G	PARD6G	83.3342551		105.640343	27.87650341
47.07648426					
PGBD1	PGBD1	211.4606723		161.101523	173.9493813
152.0178137					
GPN3	GPN3	4040.669694		3336.474166	3630.635804
3861.252469					
KRT12	KRT12	0	2.641008574	0	0
KCNK5	KCNK5	1355.223324		1642.707333	924.384853
1299.507117					
DCHS1	DCHS1	3.125034566		29.93143051	182.8698623
95.1337286					
APOE	APOE	3.125034566		5.282017149	6.690360818
4.903800443					
ANKRD53	ANKRD53	4.166712755		2.641008574	7.805420954
5.884560532					
TMEM81	TMEM81	13.54181645		24.64941336	35.68192436
21.57672195					
DCP1B	DCP1B	1808.353336		1153.240411	2333.820865
1318.141559					
AP2A2	AP2A2	334.3786986		1257.120081	499.546941
440.3612798					
UGDH-AS1	UGDH-AS1			16.66685102	22.88874098
51.29276627	41.19192372				
PCCA-AS1	PCCA-AS1			2.083356377	7.042689532
8.92048109	6.865320621				
MIR4522	MIR4522	3.125034566		1.760672383	0
					0

LOC100129617	LOC100129617	0	0.880336191	6.690360818	
	1.961520177				
MGST1	MGST1	12.50013826	17.60672383	5.575300681	0
EBPL	EBPL	1708.352229	1599.57086	1208.725188	
	937.6066448				
FAM27E3	FAM27E3	1.041678189	1.760672383	1.115060136	
	2.942280266				
MIR6780B	MIR6780B		7.291747321	5.282017149	
	4.460240545	1.961520177			
MIR6845	MIR6845	0	1.760672383	3.345180409	1.961520177
MIR6844	MIR6844	5.208390943	3.521344766	0	0
MIR6835	MIR6835	17.70852921	19.36739621	14.49578177	
	17.6536816				
MIR7849	MIR7849	0	1.760672383	0	0
LOC101929625	LOC101929625		26.04195472	16.72638764	
	90.31987104	47.07648426			
MIR6831	MIR6831	3.125034566	3.521344766	8.92048109	
	0.980760089				
LIN9	LIN9	1681.268597	1504.494551	1280.089036	
	1195.546548				
DHX57	DHX57	920.8435188	1587.246153	952.2613564	
	999.3945304				
UBA6	UBA6	5445.893571	6021.499549	4024.252032	
	5126.432983				
MAGI2	MAGI2	0	2.641008574	4.460240545	3.923040355
ASB2	ASB2	12956.39331	8228.502381	3597.184	
	3735.715178				
STK17A	STK17A	10068.86137	10317.54016	10742.48935	
	10471.57547				
HEPHL1	HEPHL1	8.33342551	0.880336191	12.2656615	0
SKA2	SKA2	3179.201832	3943.906138	2173.252206	
	2533.303309				
MLF1	MLF1	42.70880574	36.97412004	100.3554123	
	121.614251				
LIMD1	LIMD1	1035.42812	2765.135977	1234.371571	
	1590.792864				
TTYH2	TTYH2	1053.136649	707.7902979	308.8716577	
	141.2294528				
PCNA	PCNA	29978.45659	25713.73982	24827.92899	
	21149.11055				
CASC1	CASC1	19.79188559	57.22185244	33.45180409	
	53.94180488				
FURIN	FURIN	39666.06375	43058.12346	13473.27163	
	32231.69955				
LINC01413	LINC01413		0	0	0.980760089
PRDX6	PRDX6	6452.154701	5914.098534	6639.068051	
	6409.267179				
PVRL2	PVRL2	0	4.401680957	66.90360818	43.1534439
SEMA5A	SEMA5A	0	5.282017149	0	11.76912106
NDUFA7	NDUFA7	3809.417136	4459.783146	2797.685882	

3149.220645					
APOBEC3B	APOBEC3B		2540.653102	4149.02447	
993.5185814	1733.003077				
GNG7 GNG7	5.208390943		40.49546481	90.31987104	
89.24916807					
FHAD1 FHAD1	0 0.880336191		1.115060136	0	
SLK SLK	4876.095601		4152.545815	4282.945983	
4267.287146					
PCDHGA2 PCDHGA2	5.208390943		4.401680957	45.71746559	
10.78836098					
TEKT3 TEKT3	0 0.880336191		0	0	
ARHGAP25	ARHGAP25		9059.475207	7122.800125	
10317.65144	8170.712299				
RTN3 RTN3	6836.533952		5184.299831	4371.035734	
4110.365532					
LOC101927239	LOC101927239		0 0	1.115060136	0
BTBD19 BTBD19	42.70880574		51.0594991	24.531323	
78.46080709					
CDC7 CDC7	2233.358037		2746.648917	1306.85048	
1953.674097					
RIPK4 RIPK4	15.62517283		7.923025723	37.91204463	
18.63444168					
KIF1B KIF1B	2168.773989		2542.410921	1842.079345	
1361.295003					
SLC16A13	SLC16A13		710.4245247	251.7761508	
499.546941	140.2486927				
TSPAN9 TSPAN9	2.083356377		2.641008574	8.92048109	
20.59596186					
GALK1 GALK1	1677.101884		2140.097281	1070.457731	
2146.883834					
COX7A2 COX7A2	15039.74969		17203.52985	13232.41864	
12163.38662					
AHCY AHCY	6030.275034		4975.660154	4707.783895	
5236.278113					
CCNT2 CCNT2	2107.314976		2256.301659	2676.144327	
2453.861742					
SFRP4 SFRP4	0 2.641008574		0	5.884560532	
CILP2 CILP2	18.7502074		19.36739621	14.49578177	
109.8451299					
EZH1 EZH1	958.3439336		1143.556713	2030.524508	
1556.466261					
NDUFC2-KCTD14	NDUFC2-KCTD14		7865.712003	6915.040784	
4663.18149	4815.532035				
ARHGEF9 ARHGEF9	382.2958953		866.2508124	526.3083843	
520.7836071					
TLE1 TLE1	4.166712755		37.85445623	15.61084191	
32.36508293					
MMP9 MMP9	30.20866747		3.521344766	3.345180409	
9.807600887					
KCNA2 KCNA2	60.41733494		126.7684116	1.115060136	

12.74988115				
JARID2	JARID2	1884.395843	3681.565953	1371.523968
2181.210437				
TLL1	TLL1	2.083356377	0	1.115060136
MC3R	MC3R	0	0	3.923040355
SMDT1	SMDT1	2441.693674	2.230120273	0
1876.19405			2214.925858	1955.815479
PDZD8	PDZD8	820.8424127	854.8064419	855.2511245
805.2040328				
MAGEA6	MAGEA6	1.041678189	0	0
DNMT3L	DNMT3L	1.041678189	0	0
TTC23	TTC23	52.08390943	139.0931182	7.805420954
146.1332532				
PUS10	PUS10	802.0922053	441.0484319	588.7517519
583.5522528				
BET1	BET1	1883.354165	1555.55405	1836.504044
1546.65866				
PRSS16	PRSS16	16.66685102	20.2477324	21.18614259
14.71140133				
CYB5D2	CYB5D2	613.5484531	549.3297835	578.7162107
667.8976204				
COL25A1	COL25A1	0	0	1.961520177
NOXA1	NOXA1	3.125034566	5.282017149	4.460240545
50.99952461				
ENG	ENG	1082.303638	1364.521097	1053.731829
1266.161274				
IL17RE	IL17RE	7.291747321	5.282017149	5.575300681
47.07648426				
GTF2H2	GTF2H2	1080.220282	431.3647338	977.9077395
740.4738669				
TBPL1	TBPL1	1463.557855	1122.428644	1564.429371
1226.930871				
SYP	SYP	36.4587366	44.01680957	103.7005927
108.8643698				
PFN1	PFN1	180425.954	150688.9066	88762.13203
116899.7372				
LIPE	LIPE	175.0019357	490.3472586	277.6499739
238.3247015				
RAD51AP1	RAD51AP1		2138.565321	2021.251896
1117.290257		1592.754384		
DTHD1	DTHD1	69.79243864	36.97412004	34.56686422
102.9798093				
CD86	CD86	1513.558408	1540.588335	437.1035734
342.2852709				
PPP1R3F	PPP1R3F	223.9608106	281.7075813	313.3318983
313.8432284				
PNLIP	PNLIP	0	1.115060136	0
SEPW1	SEPW1	3638.581913	3311.824752	2504.425066
2920.703544				
GPATCH2	GPATCH2	551.0477618	478.022552	449.3692349

468.8033224				
PDP2	PDP2	789.592067	1000.061913	885.3577482
1052.355575				
USP32	USP32	893.7598859	1792.364486	932.1902739
1015.086692				
FAM124A	FAM124A	16.66685102	13.20504287	8.92048109
7.846080709				
EDA2R	EDA2R	294.7949274	118.8453858	470.5553775
161.8254146				
PITRM1	PITRM1	8798.013982	6202.848805	8505.678719
7215.451972				
DHX33	DHX33	308.3367439	517.6376806	343.438522
381.5156745				
LINC01137	LINC01137		145.8349464	174.3065659
262.039132	309.920188			
PHLDA2	PHLDA2	91.66768061	114.4437049	211.8614259
352.0928718				
KLHL33	KLHL33	0	0.880336191	4.460240545
0	0			
SMPD2	SMPD2	1122.929087	734.2003837	723.6740284
816.9731539				
DNAAF2	DNAAF2	2321.900683	1605.733213	2084.047395
2251.825164				
VPS37B	VPS37B	1042.719867	1452.554716	1533.207687
1213.20023				
MAN1A2	MAN1A2	1758.352783	2049.422654	1834.273924
1783.021841				
GL01	GL01	18399.16185	15006.21072	11663.52903
14761.42009				
GAL3ST1	GAL3ST1	0	0	17.84096218
0	0			4.903800443
TM6SF1	TM6SF1	501.0472088	752.6874437	259.8090118
136.3256523				
COR01A	COR01A	98288.58717	97883.70079	39933.64866
66457.28437				
RPL36	RPL36	10540.74159	12326.46735	12260.0862
12059.42605				
HEXIM2	HEXIM2	278.1280764	236.8104355	370.1999652
199.094298				
ZNF782	ZNF782	154.1683719	161.101523	170.6042008
146.1332532				
ZNF425	ZNF425	78.12586415	69.54655912	142.7276974
126.5180514				
GLE1	GLE1	8059.464146	6759.221278	6635.722871
7018.319195				
PPP1R16B	PPP1R16B		12207.42669	24262.06544
11754.96396	17334.93457			
C9orf172	C9orf172		3.125034566	16.72638764
43.48734531	14.71140133			
TTLL5	TTLL5	1526.058546	1586.365817	1278.973976
1402.486927				
TDRD7	TDRD7	2433.360249	979.8141811	3674.123149

1927.193574					
CSNK1G1	CSNK1G1	2566.695057	3029.236835	2505.540126	
2060.576946					
ITPA	ITPA	3059.40884	3158.646255	2091.852816	
3079.586678					
NEUROD2	NEUROD2	0	0	0.980760089	
C11orf94	C11orf94		3.125034566	4.401680957	
5.575300681		0.980760089			
TBCE	TBCE	2341.692568	1580.203464	1545.473349	
1557.447021					
INPP5K	INPP5K	4352.131472	3292.457356	4476.966447	
3144.316844					
BANP	BANP	1312.514518	871.5328295	1307.96554	
1100.412819					
PTPRA	PTPRA	6127.151106	6291.76276	5193.950115	
5505.987138					
PRKCD	PRKCD	3190.660292	1738.663978	4068.854437	
2812.819934					
RFTN2	RFTN2	4.166712755	0	3.345180409	9.807600887
TMEM125	TMEM125	0	0	6.865320621	
ZNF333	ZNF333	592.7148894	416.3990186	963.4119577	
807.165553					
ALOX5	ALOX5	15.62517283	40.49546481	168.3740806	
82.38384745					
DDX54	DDX54	4579.217318	3960.632525	4762.421842	
4571.322773					
BCAS4	BCAS4	473.9635759	539.6460854	766.0463136	
784.6080709					
ABT1	ABT1	7295.914034	5102.428566	6622.342149	
6185.653879					
SSX3	SSX3	0	1.115060136	0	
RGL4	RGL4	1169.804606	1402.375553	545.2644066	
858.1650776					
SDR16C5	SDR16C5	0	8.92048109	0	
FAM171B	FAM171B	7.291747321	10.5640343	2.230120273	
3.923040355					
CFAP58	CFAP58	40.62544936	47.53815434	0	34.3266031
C8orf37	C8orf37	105.2094971	93.31563629	220.781907	
140.2486927					
MPP4	MPP4	0	1.760672383	0	5.884560532
RNF13	RNF13	3723.999525	2703.512444	3730.991216	
3105.086441					
CYP26C1	CYP26C1	0	1.760672383	0	0
SNX12	SNX12	123.9597045	152.2981611	102.5855325	
93.17220842					
MGC70870	MGC70870		553.1311182	638.2437388	
799.4981177		580.6099725			
GDAP1	GDAP1	2032.314146	1384.768829	1196.459526	
1295.584077					
NUF2	NUF2	3454.204874	3522.225102	1620.182378	

2271.440365					
MECOM	MECOM	0	11.44437049	0	0
TMEM236	TMEM236	0	1.760672383	0	1.961520177
LRRRC16A	LRRRC16A	336.4620549	296.6732965		547.4945269
268.7282643					
IFI44	IFI44	2662.52945	1414.70026		8900.410008
2502.899746					
ZNF563	ZNF563	272.9196854	197.1953069		856.3661847
546.2833694					
UBXN2A	UBXN2A	1263.555643	1085.454524		1468.534199
1068.047737					
RNASE11	RNASE11	3.125034566	0	0	0
MIR3909	MIR3909	2.083356377	6.16235334	0	1.961520177
LINC00565	LINC00565	0	4.401680957		6.690360818
0					
RAB4A	RAB4A	1618.767905	1575.801783		1274.513736
1435.83277					
MIR5193	MIR5193	332.2953422	279.9469089		245.31323
342.2852709					
MIR5192	MIR5192	0	0	1.115060136	0
P4HA2-AS1	P4HA2-AS1			145.8349464	87.15328295
52.4078264	81.40308736				
PAF1	PAF1	4583.38403	4016.093705		3979.649626
3937.751756					
LOC649352	LOC649352		1.041678189	0	0
LINC00423	LINC00423		2.083356377	0.880336191	0
11.15060136	0				
NDFIP2-AS1	NDFIP2-AS1		20.83356377		9.683698106
10.03554123	18.63444168				
LOC100506325	LOC100506325		56.25062219		51.93983529
103.7005927	113.7681703				
C18orf61	C18orf61		0	5.282017149	0
1.961520177					
CPE	CPE	102.0844625	31.69210289	0	4.903800443
DNAH2	DNAH2	2.083356377	4.401680957	1.115060136	0
ZBTB22	ZBTB22	0	14.08537906	0	6.865320621
CNBP	CNBP	39557.72922	28088.88686		51567.07106
41025.19451					
C14orf28	C14orf28		148.959981		124.127403
415.9174308	210.8634191				
PUS3	PUS3	1470.849602	1306.418908		1848.769706
1512.332057					
SLC39A1	SLC39A1	7911.545843	7165.056262		5467.139848
7535.179761					
RMND1	RMND1	1563.558961	1123.30898		1387.13481
1117.085741					
GTPBP10	GTPBP10	1315.639552	1177.009488		1493.065522
1286.757236					
MIR4723	MIR4723	34.37538023	11.44437049		28.99156354
30.40356275					

CCDC168	CCDC168	53.12558762	51.93983529	54.63794668	
46.09572417					
MNAT1	MNAT1	1316.681231	1286.171176	972.3324388	
949.3757658					
CASQ1	CASQ1	2.083356377	5.282017149	11.15060136	
4.903800443					
AP1AR	AP1AR	2289.608659	1660.314057	3316.188845	
2424.438939					
QTRT1	QTRT1	1815.645083	1461.358078	1336.957103	
2407.766018					
ANKRD13C	ANKRD13C		3705.249317	2699.110763	
3648.476766	2812.819934				
DLEU7-AS1	DLEU7-AS1		0	0.880336191	0
0.980760089					
DENND5B-AS1	DENND5B-AS1		0	0.880336191	0
2.942280266					
TMEM68	TMEM68	1795.853197	1235.992013	1425.046854	
1063.143936					
RNGTT	RNGTT	3376.07901	3190.338358	3099.867179	
3398.333707					
ZDHHC20	ZDHHC20	3843.792516	5116.513945	3049.689473	
3322.81518					
HUS1B	HUS1B	18.7502074	15.84605145	22.30120273	
6.865320621					
TLR8	TLR8	1.041678189	0	0	0
CCDC110	CCDC110	0	0	10.03554123	15.69216142
RRNAD1	RRNAD1	528.1308417	857.4474505	496.2017606	
492.3415645					
EIF1AX-AS1	EIF1AX-AS1		15.62517283	8.803361914	
20.07108245	2.942280266				
CENPA	CENPA	3937.543553	3438.593164	1825.353443	
2254.767444					
PTPRS	PTPRS	5.208390943	11.44437049	2.230120273	
11.76912106					
SMIM24	SMIM24	3.125034566	16.72638764	24.531323	
10.78836098					
C19orf38	C19orf38		82.29257691	86.27294676	
100.3554123	72.57624656				
APBA1	APBA1	1173.971319	1379.486812	351.2439429	
116.7104506					
CENPC	CENPC	1869.812349	2059.986688	2546.797351	
2024.288823					
FAM78A	FAM78A	1107.303915	2365.463346	1089.413753	
1111.20118					
SEC14L2	SEC14L2	486.4637141	675.2178588	857.4812448	
811.0885933					
KLHL7	KLHL7	1800.01991	1530.024301	1919.018495	
1543.71638					
LOC341056	LOC341056		2.083356377	1.760672383	0
0.980760089					

JPX	JPX	528.1308417	397.0316223	532.9987451
334.4391902				
MTRF1	MTRF1	1187.513135	1155.001083	916.579432
980.7600887				
ATP6V1H	ATP6V1H	2712.530003	2034.456938	2819.987085
2202.787159				
PSENE	PSENE	2073.981274	2052.063662	1814.202842
1619.234906				
BCL7C	BCL7C	1818.770117	1547.631025	1268.938435
1648.657709				
HYAL4	HYAL4	0	2.641008574	0
8.826840798				
ZNF836	ZNF836	281.2531109	317.8013651	614.3981351
411.9192372				
ADH1A	ADH1A	1.041678189	0	0
0				
TMEM164	TMEM164	130.2097736	152.2981611	141.6126373
143.1909729				
ATP6V1A	ATP6V1A	6430.279459	5849.833992	5361.209135
5498.141057				
RNF146	RNF146	989.5942793	1121.548308	1823.123323
1424.063649				
ZNF318	ZNF318	603.1316713	871.5328295	815.1089596
714.9741046				
PIBF1	PIBF1	1012.511199	998.3012411	1229.91133
1269.103555				
TRAPPC8	TRAPPC8	2667.737841	3803.052347	2285.873279
3054.086916				
AXIN2	AXIN2	72.91747321	133.8111011	525.1933242
246.1707823				
COIL	COIL	1675.018527	1587.246153	1459.613718
1699.657234				
OVOL1	OVOL1	8.33342551	0	10.03554123
14.71140133				
DENND2D	DENND2D	6168.818233	5051.369066	7987.175756
11531.77712				
DPY19L1	DPY19L1	1093.762098	1471.041776	613.2830749
1216.14251				
LOC100422556	LOC100422556	3.125034566	5.282017149	
5.575300681	5.884560532			
HCN1	HCN1	0	0	1.115060136
0				
HIAT1	HIAT1	8288.633347	6576.11135	8884.799166
8347.249115				
ZMYM3	ZMYM3	208.3356377	366.2198556	205.1710651
280.4973854				
TSHZ1	TSHZ1	129.1680954	327.4850632	507.352362
211.8441792				
CITED2	CITED2	308.3367439	648.8077731	376.8903261
309.920188				
MT1X	MT1X	2398.984869	2091.678791	2021.604027
1829.117565				
H1FX	H1FX	1941.688144	5686.09146	2824.447325
2964.837748				

DNAAF3	DNAAF3	1.041678189	0	1.115060136	0.980760089
RAB11FIP3	RAB11FIP3	382.2958953		710.4313065	
516.2728431	734.5893064				
TNFSF13	TNFSF13	305.2117093	135.5717735	246.4282901	
156.9216142					
GFOD1	GFOD1	440.6298738	656.7307988	340.0933416	
787.5503512					
LZTS1-AS1	LZTS1-AS1	3.125034566	0	0	
0.980760089					
HXA10-AS	HXA10-AS	1.041678189	1.760672383		
8.92048109	6.865320621				
LINC00854	LINC00854	25.00027653	14.08537906		
23.41626286	15.69216142				
LINC00907	LINC00907	0	0	1.115060136	
0.980760089					
DHX32	DHX32	2355.234385	2491.351422	2142.030522	
3417.948909					
EP300	EP300	2954.199343	4788.148545	4073.314678	
3024.664113					
NTN1	NTN1	1.041678189	4.401680957	6.690360818	
4.903800443					
GDF15	GDF15	0	5.282017149	2.230120273	14.71140133
NAT14	NAT14	151.0433374	287.8699346	147.187938	
200.0750581					
BLACAT1	BLACAT1	9.375103698	9.683698106	0	31.38432284
ARHGAP19-SLIT1	ARHGAP19-SLIT1	1986.480306	2008.046853		
1078.263152	1555.485501				
LOC100506469	LOC100506469	1040.636511	951.6434229		
1043.696288	1264.199754				
LING04	LING04	1.041678189	18.48706002	1.115060136	
22.55748204					
ETNK1	ETNK1	4906.304269	4767.020477	4817.059789	
4151.557455					
LOC101927132	LOC101927132	1.041678189	0	0	
0.980760089					
LOC101926892	LOC101926892	0	11.44437049	0	
22.55748204					
TP63	TP63	62.50069132	195.4346345	26.76144327	
51.9802847					
CLCN3	CLCN3	2418.776754	2473.744698	2365.042549	
2220.440841					
RAB14	RAB14	9275.102592	7572.651919	9290.681055	
7671.505414					
FCGR2A	FCGR2A	2.083356377	0	0	0
PILRA	PILRA	7.291747321	1.760672383	15.61084191	
19.61520177					
RNF207	RNF207	271.8780073	441.0484319	114.851194	
310.9009481					
MOK	MOK	138.5431991	50.17916291	93.66505145	
47.07648426					

C15orf48	C15orf48	7.291747321	10.5640343	
17.84096218	31.38432284			
ANKEF1 ANKEF1	577.0897165	552.8511282	423.7228518	
565.8985712				
RPP25 RPP25	926.0519098	1012.38662	737.0547501	
811.0885933				
DUS2 DUS2	3209.410499	2210.524177	2088.507635	
2311.651529				
ADAT3 ADAT3	405.2128154	583.6628949	263.1541922	
409.9577171				
SAAL1 SAAL1	3655.248764	2694.709082	2256.881716	
2296.940128				
IP05 IP05	12193.88488	11525.36142	10664.43514	
12122.1947				
SPRYD3 SPRYD3	3490.66361	2945.604897	3804.585185	
4067.212088				
EDNRA EDNRA	0 0	0 4.903800443		
GALP GALP	0 0.880336191	0 0		
LOC101928069	LOC101928069	102.0844625	125.0077392	
136.0373366	154.960094			
LOC102723895	LOC102723895	0 0	0 0.980760089	
YPEL1 YPEL1	793.7587798	1235.111677	758.2408927	
764.9928692				
SPTSSA SPTSSA	1723.977402	3715.018728	1702.696828	
2060.576946				
MCM7 MCM7	48757.83098	42816.91134	30364.20257	
39463.82445				
PCY0X1L PCY0X1L	2459.402204	1646.228678	1316.886021	
1380.910205				
SMIM7 SMIM7	3291.703076	2372.506036	2717.401552	
2252.805924				
MRPS34 MRPS34	7786.544461	5398.221526	4984.318809	
5439.295452				
CHST5 CHST5	1.041678189	0 3.345180409	10.78836098	
FAM46C FAM46C	2433.360249	5214.231262	1393.82517	
2201.806399				
WDR55 WDR55	4006.294314	2861.092622	3802.355065	
3700.407815				
TMPRSS11E	TMPRSS11E	0 0	3.345180409 0	
FAM84B FAM84B	168.7518666	211.2806859	1353.683005	
587.4752931				
TCTE3 TCTE3	11.45846008	7.042689532	10.03554123	
7.846080709				
LRCH3 LRCH3	2101.064907	1781.800451	1767.370316	
2195.921839				
TRIM52 TRIM52	520.8390943	736.8413922	1029.200506	
828.7422749				
STIM2 STIM2	2767.738947	2430.608225	3051.919593	
2595.091195				
ZNF496 ZNF496	308.3367439	225.366065	671.266202	

473.7071228					
PYROXD2 PYROXD2	57.29230038		81.8712658	24.531323	
35.30736319					
ACTA2-AS1	ACTA2-AS1		568.756291	438.4074233	
1033.660746	855.2227973				
MRPS31 MRPS31	2519.819538		2073.191731	2096.313056	
2571.552952					
SNORD116-6	SNORD116-6	0	0	3.345180409	0
SNORD116-5	SNORD116-5	0	0	2.230120273	0
FAM81A FAM81A	92.70935879		36.97412004	21.18614259	
26.48052239					
ZNF417 ZNF417	267.7112945		264.1008574	438.2186336	
407.0154368					
C12orf66	C12orf66		522.9224507	501.7916291	
738.1698102	653.1862191				
RPLP1 RPLP1	22738.79318		31331.16505	31923.05664	
26556.04092					
B3GALNT2	B3GALNT2		2038.564215	1980.756431	
1723.882971	1469.178613				
CACTIN-AS1	CACTIN-AS1		707.2994901	713.9526513	
544.1493465	597.282894				
DYNLL1-AS1	DYNLL1-AS1		413.5462409	300.1946413	
344.5535821	266.7667441				
LUC7L3 LUC7L3	2415.65172		3198.261383	2922.572617	
3061.932997					
GTSE1 GTSE1	3759.416583		4472.107853	1708.272129	
2495.053666					
EEPDP1 EEPDP1	283.3364673		526.4410425	99.24035213	
177.517576					
SERTAD2 SERTAD2	946.8854735		1047.600068	1654.749242	
936.6258847					
PIP5K1B PIP5K1B	1063.553431		431.3647338	272.0746732	
214.7864594					
VBP1 VBP1	8028.2138		7450.285188	6452.853009	
6255.287846					
SRCAP SRCAP	2475.027376		5480.092792	3771.133381	
3326.738221					
PPP2R2D PPP2R2D	2003.147157		1914.731216	1935.744397	
2002.712101					
SERPINB6	SERPINB6		545.8393709	573.0988606	
2996.166586	2928.549625				
TMCC2 TMCC2	160.4184411		371.5018728	105.9307129	
310.9009481					
SP5 SP5	0 0	0	0.980760089		
ACAD9 ACAD9	3612.539958		3346.157864	2600.320238	
3443.448671					
ZNF286A ZNF286A	627.0902696		717.473996	802.8432981	
585.5137729					
ALKBH1 ALKBH1	1989.60534		1560.836067	1934.629336	
1736.926117					

CFD	CFD	35.41705842	61.6235334	35.68192436
85.32612771				
FNTB	FNTB	1495.849879	1256.239745	1286.779397
1424.063649				
DES	DES	0	7.042689532	0
PSCA	PSCA	5.208390943	2.641008574	0
EPM2A	EPM2A	448.9632993	314.2800203	561.9903087
485.4762439				
FGD6	FGD6	123.9597045	205.9986688	111.5060136
99.05676896				
RSAD1	RSAD1	2405.234938	1618.05792	3100.982239
2818.704495				
MEP1B	MEP1B	3.125034566	0	13.38072164
GATA3	GATA3	6217.777108	4467.706172	4007.52613
2675.513522				
PPIB	PPIB	29231.57333	20640.36234	19447.76384
16615.05666				
SLC2A4	SLC2A4	0	2.641008574	0
ECT2	ECT2	6527.15553	7474.934601	2979.440684
3651.36981				
PCDHGA7	PCDHGA7	4.166712755	4.401680957	33.45180409
10.78836098				
AN06	AN06	2400.026547	3026.595826	2351.661827
3024.664113				
TNFSF8	TNFSF8	4507.341522	1556.434386	6736.078283
3145.297604				
DI01	DI01	2.083356377	3.521344766	4.460240545
1.961520177				
PLA2G4F	PLA2G4F	0	0.880336191	0
PIN1	PIN1	4602.134238	4213.289012	2758.658777
3269.854136				
KCTD17	KCTD17	896.8849205	1089.856205	827.3746211
1076.874577				
ACVR2B	ACVR2B	45.8338403	244.7334612	170.6042008
232.440141				
ATM	ATM	927.0935879	2050.30299	2419.680496
1908.559133				
UROS	UROS	3346.91202	2573.222688	2617.04614
3049.183116				
TIMD4	TIMD4	95.83439336	487.7062501	56.86806695
345.2275512				
ZNF200	ZNF200	1951.063247	1778.279107	2111.923898
1596.677424				
SENP8	SENP8	126.0430608	112.6830325	249.7734705
152.0178137				
SLC31A2	SLC31A2	812.5089872	404.0743119	587.6366918
620.8211361				
ADCY5	ADCY5	4.166712755	6.16235334	5.575300681
2.942280266				
BTBD9	BTBD9	585.423142	595.1072654	692.4523446

515.8798066					
EZR	EZR	43309.85405	33024.05155	26250.74573	
27557.39697					
DMXL2	DMXL2	171.8769011	235.9300993	249.7734705	
245.1900222					
TNFSF12	TNFSF12	868.7596094	547.5691111	604.3625939	
458.9957215					
FBX03-AS1	FBX03-AS1	0	0.880336191	0	0
LHX4-AS1	LHX4-AS1	32.29202385	44.01680957		
14.49578177					
SLX1B-SULT1A4	SLX1B-SULT1A4	75.00082959	95.95664487		
113.7361339					
GMPS	GMPS	10206.36289	9171.342442	7913.581787	
9195.606591					
CAMKK1	CAMKK1	119.7929917	55.46118006	201.8258847	
241.2669818					
NTAN1	NTAN1	3009.408287	3033.638516	1920.133555	
2547.03395					
PLXND1	PLXND1	20.83356377	116.2043773	57.98312709	
142.2102129					
ZNF644	ZNF644	3187.535257	3398.097699	4213.812255	
3488.563635					
PELI3	PELI3	344.7954805	260.5795127	549.7246472	
570.8023716					
HSF2	HSF2	1591.684272	1638.305652	1980.346802	
2059.596186					
PARN	PARN	6978.202186	6063.755687	5948.845827	
6850.609219					
SULT1A3	SULT1A3	12.50013826	26.41008574	14.49578177	
13.73064124					
TSSK2	TSSK2	36.4587366	39.61512861	26.76144327	
19.61520177					
KIAA1377	KIAA1377	90.62600242	99.47798963		
122.656615					
ORAI1	ORAI1	5568.811597	4311.886666	4949.751945	
4834.166477					
PPP1R9B	PPP1R9B	51.04223125	328.3653994	83.62951022	
69.6339663					
LBR	LBR	35753.52047	35842.0077	20267.33304	
22723.23049					
INHBE	INHBE	6.250069132	1.760672383	4.460240545	
9.807600887					
AGAP3	AGAP3	504.1722433	620.637015	566.4505492	
764.9928692					
LOC100996351	LOC100996351	725.0080193	1075.770826		
230.8174482					
DNAJC25	DNAJC25	463.546794	249.1351422	529.6535647	
399.1693561					
ASTE1	ASTE1	1376.056887	1201.658901	1966.96608	
1420.140608					

NOB1	NOB1	3722.957846	3060.928938	3413.199077
3400.295227				
MAP3K5	MAP3K5	4286.505746	4086.520601	2639.347343
3204.14321				
APOBEC3C	APOBEC3C		19655.42574	14470.96631
10034.42617	11063.95456			
PCM1	PCM1	4861.512107	6574.350678	6036.935578
6387.690457				
GRAMD1C	GRAMD1C	10.41678189	102.9993344	53.52288654
62.76864567				
STARD9	STARD9	89.58432423	138.2127821	144.9578177
135.3448922				
GPA33	GPA33	129.1680954	156.6998421	249.7734705
115.7296905				
GINS1	GINS1	2994.824793	4247.622124	2292.56364
2929.530385				
HIST1H2AD	HIST1H2AD		416.6712755	2731.683202
297.7210564	472.7263627			
HIST1H2AG	HIST1H2AG		138.5431991	188.391945
91.43493117	57.86484523			
NSUN6	NSUN6	989.5942793	859.2081228	702.4878858
864.0496381				
MR1	MR1	3586.498004	2487.830077	3437.7304
2693.167203				
CHRNA6	CHRNA6	1087.512029	746.5250903	673.4963223
521.7643672				
PRMT2	PRMT2	6467.779874	5247.684037	8129.903454
6782.936773				
AAMP	AAMP	6888.617862	6251.267295	7080.631865
6611.303758				
MEGF10	MEGF10	0	4.401680957	0
STX10	STX10	2531.277999	2836.443209	1709.387189
2415.612098				
HERC3	HERC3	2175.024058	1761.552719	2977.210564
2202.787159				
RECQL5	RECQL5	1255.222217	1519.460266	2017.143787
1750.656758				
C9orf135	C9orf135		20.83356377	1.760672383
26.76144327	4.903800443			
ANK2	ANK2	4.166712755	15.84605145	3.345180409
12.74988115				
ZNF16	ZNF16	496.880496	337.1687613	836.2951022
637.4940576				
PRSS3	PRSS3	0	2.641008574	0
SOX5	SOX5	0	29.93143051	0
EMILIN1	EMILIN1	85.41761147	95.95664487	93.66505145
145.1524931				
SOX12	SOX12	8.33342551	74.82857627	61.32830749
49.03800443				
LIN37	LIN37	672.9241099	574.859533	936.6505145

766.9543893				
TULP4	TULP4	1606.267767	1753.629693	1487.490222
1296.564837				
SNRPA	SNRPA	5901.106939	5884.167104	3785.629163
5353.969324				
SMS	SMS	9103.225691	5485.374809	6904.452364
8068.713249				
FSTL1	FSTL1	11.45846008	3.521344766	0 10.78836098
TRIO	TRIO	45.8338403	99.47798963	25.64638313
31.38432284				
DSG2	DSG2	75.00082959	400.5529671	7.805420954
157.9023743				
PPP1R3D	PPP1R3D	256.2528344	379.4248985	578.7162107
341.3045109				
PPEF2	PPEF2	0 0	6.690360818	2.942280266
RAC1	RAC1	11290.74989	10402.05244	9211.511786
9422.162172				
CCDC176	CCDC176	405.2128154	393.5102776	459.4047761
465.8610421				
PRR11	PRR11	2591.695333	4543.415084	1362.603487
2117.461031				
RPS23	RPS23	14500.16039	17783.6714	17974.7694
17521.27898				
NOSIP	NOSIP	6363.612055	5639.433642	4518.223672
4710.590706				
TULP3	TULP3	785.4253543	565.1758349	593.2119925
714.9741046				
ZNF646	ZNF646	323.9619167	1143.556713	1016.934844
670.8399006				
H2AFZ	H2AFZ	49606.7987	53180.22899	31918.5964
39876.72445				
MCM8	MCM8	391.670999	565.1758349	363.5096044
322.6700692				
FMNL3	FMNL3	1176.054675	2074.072067	1389.36493
1867.367209				
SDC3	SDC3	0 9.683698106 0		2.942280266
ARPC4	ARPC4	17580.40279	16005.3923	10488.25564
11635.73769				
BRMS1	BRMS1	5419.851616	3890.20563	4396.682117
3985.809				
MB21D2	MB21D2	907.3017024	572.2185244	752.665592
458.9957215				
GPR108	GPR108	5733.396751	4174.55422	4784.723045
4884.185242				
COL21A1	COL21A1	0 0	1.115060136	0
TTC5	TTC5	2817.7395	1846.94533	1746.184173
2234.171482				
ZG16	ZG16	2.083356377	0 0	0
C19orf25	C19orf25		1507.308339	1389.17051
1539.898048		1321.083839		

C16orf54	C16orf54	1877.104096	1149.719066
2690.640109	468.8033224		
TBC1D8B	TBC1D8B	17.70852921	41.375801
41.19192372			91.43493117
LRRC57	LRRC57	1530.225259	1380.367148
1328.92992			1226.56615
GTF2E2	GTF2E2	4806.303163	3371.687613
3413.045109			3484.562926
SSSCA1	SSSCA1	2686.488049	2267.746029
2341.074332			2300.369061
PSMD10	PSMD10	3954.210404	3208.825418
4189.807099			4657.606189
PSMD3	PSMD3	7876.128785	10093.05443
6628.957439			6364.763258
DMWD	DMWD	693.7576737	993.8995601
717.9163849			680.1866831
ZNF84	ZNF84	19.79188559	11.44437049
17.6536816			24.531323
ABCA7	ABCA7	395.8377117	1185.81285
659.0707796			425.9529721
ASCC2	ASCC2	7903.212418	5266.171097
5811.003525			6204.194598
RSAD2	RSAD2	4388.590209	397.0316223
2799.089293			26296.46319
ABI3BP	ABI3BP	11.45846008	10.5640343
13.73064124			36.7969845
ZNF324B	ZNF324B	62.50069132	140.8537906
94.15296851			121.5415549
ZNF662	ZNF662	10.41678189	1.760672383
18.63444168			45.71746559
CPSF4L	CPSF4L	176.0436139	113.5633687
88.26840798			119.3114346
WDR47	WDR47	1982.313593	1487.768164
1297.545597			2289.21846
NME2	NME2	14932.45684	13119.65026
12588.05574			12082.79164
CCDC58	CCDC58	1298.972701	382.0659071
332.4776701			1213.185428
IGBP1	IGBP1	1727.102437	1997.482818
1631.004027			2050.595591
OTP	OTP	0	0
4.460240545			0
TRMT13	TRMT13	1122.929087	995.6602325
1168.085266			1122.865557
PLL	PLL	1.041678189	7.042689532
20.59596186			36.7969845
ZNF589	ZNF589	1208.346699	996.5405687
1495.659135			1121.750497
EHMT1	EHMT1	3318.786709	3782.804615
3605.274086			3214.718373
UTP20	UTP20	2350.025994	2456.137974
			2681.719628

2565.668392					
AMER2	AMER2	2.083356377	0	21.18614259	1.961520177
CTHRC1	CTHRC1	284.3781455	306.3569946	26.76144327	
94.15296851					
C11orf63	C11orf63		175.0019357	61.6235334	
409.22707		217.7287397			
MUSTN1	MUSTN1	59.37565676	36.09378385	31.22168382	
45.11496408					
GMPPA	GMPPA	3573.997865	2806.511778	2711.826251	
2580.379793					
PHLPP1	PHLPP1	269.7946509	259.6991765	172.8343211	
195.1712576					
COQ10A	COQ10A	390.6293208	303.715986	363.5096044	
376.611874					
CTRB2	CTRB2	0	0	12.2656615	0
HLA-DQB2	HLA-DQB2		1.041678189	0.880336191	
4.460240545		0.980760089			
GTF2H2C_2	GTF2H2C_2		1352.098289	825.7553476	
1266.708315		1119.047261			
PI4KAP2	PI4KAP2	211.4606723	292.2716156	357.9343037	
323.6508293					
SRRD	SRRD	2635.445817	2012.448534	2371.73291	
2334.209011					
SPRR2A	SPRR2A	0	0	0.980760089	
EIF3D	EIF3D	16937.68735	10723.37515	15634.25817	
14096.46475					
CAT	CAT	5629.228932	3395.45669	3320.649086	
2766.72421					
CHCHD10	CHCHD10	176.0436139	593.346593	217.4367266	
237.3439415					
DHX35	DHX35	1259.38893	939.3187163	1270.053495	
1018.028972					
MIR4435-2	MIR4435-2		8.33342551	5.282017149	0
0.980760089					
LOC100128233	LOC100128233		3.125034566	0.880336191	0
0					
EMBP1	EMBP1	196.8771777	173.4262297	211.8614259	
128.4795716					
GIPC3	GIPC3	5.208390943	44.89714576	41.25722504	
21.57672195					
SNORA30	SNORA30	3.125034566	1.760672383	2.230120273	
3.923040355					
ANGPTL1	ANGPTL1	2.083356377	3.521344766	0	0
SNHG7	SNHG7	291.6698928	220.0840479	398.0764686	
270.6897845					
CCL27	CCL27	3.125034566	6.16235334	7.805420954	
1.961520177					
CFAP20	CFAP20	5064.639353	3929.820759	4154.714068	
3982.86672					
WDTC1	WDTC1	130.2097736	667.2948331	334.5180409	

275.5935849					
CLEC4G	CLEC4G	0	0	1.115060136	0.980760089
TBC1D13	TBC1D13	2657.321059		2106.644506	2533.41663
2986.41447					
PRPF39	PRPF39	2191.690909		1819.654908	1948.010058
2193.960318					
RHEB	RHEB	4950.054753		3862.915208	5109.205544
4031.904725					
UBE20	UBE20	2113.565045		2313.523511	2488.814224
2270.459605					
NUCKS1	NUCKS1	1128.137478		3774.881589	1450.693237
1726.137756					
INF2	INF2	1105.220558		971.0108192	472.7854978
460.9572417					
ETV3L	ETV3L	2.083356377		0.880336191	0
RBP1	RBP1	2.083356377		4.401680957	0
CARNS1	CARNS1	16.66685102		42.25613719	51.29276627
49.03800443					
SNX3	SNX3	8532.386044		6204.609477	8374.101623
7353.739145					
GMPPB	GMPPB	5461.518743		4041.623455	3655.167127
3728.849857					
HEATR6	HEATR6	1500.016592		1403.255889	1257.787834
1693.772673					
CDC26	CDC26	1585.434203		1404.136225	1538.782988
1723.195476					
C15orf43	C15orf43			3.125034566	0
0.980760089					0
FAM161B	FAM161B	335.4203768		272.0238832	428.1830923
393.2847956					
HCG27	HCG27	12.50013826		6.16235334	34.56686422
1.961520177					
PUM2	PUM2	3397.954252		4653.457108	3810.160486
3796.522303					
SPRED1	SPRED1	8.33342551		26.41008574	76.9391494
34.3266031					
SYNE3	SYNE3	853.1344365		957.8057763	379.1204463
494.3030847					
PPID	PPID	5751.10528		4266.98952	5603.177185
5803.157445					
TBX19	TBX19	67.70908227		83.63193819	170.6042008
144.171733					
C22orf24	C22orf24			46.87551849	22.00840479
45.71746559					
CYP2S1	CYP2S1	22.91692015		5.282017149	0
HVCN1	HVCN1	450.0049775		535.2444044	342.3234618
407.9961969					
HACE1	HACE1	1709.393908		1388.290174	1084.953513
1253.411393					
SDR39U1	SDR39U1	1994.813731		2567.94067	3094.291878

3486.602115					
MFF	MFF	5010.472088	5158.770082	4666.52667	
4586.034175					
GAPDHS	GAPDHS	84.37593328	141.7341268	94.78011158	
188.305937					
FAM117B	FAM117B	235.4192706	381.1855709	1677.050445	
1034.701894					
UBL3	UBL3	947.9271517	1618.05792	1915.673314	
1373.064124					
HHIP	HHIP	0	2.641008574	12.2656615	0.980760089
DUOX1	DUOX1	41.66712755	95.95664487	86.97469063	
101.0182891					
ZNF440	ZNF440	468.7551849	456.0141472	443.7939342	
496.2646049					
CEP89	CEP89	626.0485914	507.0736463	460.5198363	
512.9375264					
RRP9	RRP9	4383.381818	2500.154784	3943.967702	
3605.274086					
CAMK1	CAMK1	1607.309445	2382.189734	985.7131605	
2929.530385					
APOL2	APOL2	6100.067473	4743.251399	8610.494372	
6118.962193					
FAM156B	FAM156B	137.5015209	138.2127821	97.01023186	
139.2679326					
ANKRD12	ANKRD12	3454.204874	2979.938008	9262.804552	
6329.825612					
SPATA13	SPATA13	6413.612608	6042.627618	11001.1833	
7688.178335					
GRIP1	GRIP1	9.375103698	33.45277527	41.25722504	
85.32612771					
MIR548I2	MIR548I2	0	0.880336191	0	
1.961520177					
VAPA	VAPA	16935.60399	12907.48924	12105.09284	
12433.09564					
GSKIP	GSKIP	4501.091453	3454.439215	3893.789996	
3796.522303					
CACNA1I	CACNA1I	18.7502074	36.09378385	83.62951022	
68.65320621					
NTRK1	NTRK1	170.8352229	177.8279107	479.4758586	
1217.12327					
ZNF600	ZNF600	894.8015641	551.0904558	1667.014904	
1252.430633					
ADAM20P1	ADAM20P1	0	2.083356377	3.521344766	0
0					
LOC642852	LOC642852	61.45901313	117.9650497		
93.66505145	143.1909729				
CASC2	CASC2	5.208390943	5.282017149	33.45180409	
17.6536816					
SPESP1	SPESP1	17.70852921	77.46958485	64.6734879	
80.42232727					

GSX1	GSX1	0	0	0	1.961520177
RBM17	RBM17	13343.8976		10100.97746	8811.205197
8492.401608					
PSMG4	PSMG4	852.0927584		819.5929942	943.3408753
849.3382368					
HIGD1C	HIGD1C	0	0.880336191	0	0.980760089
SPINK9	SPINK9	2.083356377		0.880336191	2.230120273
0.980760089					
LINC00641	LINC00641			33.33370204	67.78588674
88.08975076	73.55700665				
KCNQ10T1	KCNQ10T1			140.6265555	250.0154784
274.3047935	294.2280266				
C4orf29	C4orf29	1178.138031		1066.967464	1090.528813
1110.22042					
S100A13	S100A13	310.4201002		283.4682536	250.8885307
324.6315893					
C7orf55	C7orf55	954.1772208		810.7896323	659.0005405
686.5320621					
PTPN12	PTPN12	98.95942793		232.4087545	110.3909535
72.57624656					
ARL17B	ARL17B	112.5012444		77.46958485	103.7005927
101.0182891					
ZNF843	ZNF843	1.041678189		3.521344766	5.575300681
5.884560532					
POR	POR	3485.455219		2874.297665	3801.240005
3379.699266					
C2CD4C	C2CD4C	2.083356377		0	0.980760089
LMTK3	LMTK3	1.041678189		6.16235334	4.460240545
2.942280266					
FAM21EP	FAM21EP	16.66685102		14.08537906	13.38072164
27.46128248					
LOC100505736	LOC100505736			12.50013826	14.96571525
32.33674395	8.826840798				
CAGE1	CAGE1	18.7502074		8.803361914	22.30120273
15.69216142					
NAA35	NAA35	2677.112945		2405.958811	2743.047935
2251.825164					
ACSM2A	ACSM2A	0	5.282017149	0	0
USP22	USP22	3431.287954		6841.97288	5077.983861
2812.819934					
SERP1	SERP1	14439.74305		10880.07499	15615.30215
12622.38234					
LEAP2	LEAP2	88.54264604		117.9650497	107.0457731
72.57624656					
SH3RF2	SH3RF2	16.66685102		117.0847135	0
AHI1	AHI1	1742.72761		1428.785639	18.63444168
1026.855813					955.6065368
GHDC	GHDC	485.4220359		880.3361914	763.8161933
760.0890687					
SQLE	SQLE	2770.863982		3584.728972	2137.570281

3335.565062					
C20orf96	C20orf96	54.16726581	155.8195059		
42.37228518	69.6339663				
PCBP1 PCBP1	6471.946586	11844.92346	7687.224579		
7029.107555					
TOMM20 TOMM20	3575.039544	3553.917205	4663.18149		
3652.35057					
CHRNA1 CHRNA1	531.2558762	385.5872518	809.5336589		
580.6099725					
SNAP23 SNAP23	7857.378577	7518.071075	5536.273577		
6785.879053					
ZP1 ZP1	2.083356377	0.880336191	7.805420954		
0.980760089					
TMEM150B	TMEM150B	9.375103698	4.401680957		
2.230120273	0				
JAKMIP2-AS1	JAKMIP2-AS1	23.95859834	51.0594991		
6.690360818	39.23040355				
RFPL3S RFPL3S	7.291747321	5.282017149	31.22168382		
5.884560532					
C21orf67	C21orf67	269.7946509	235.9300993		
241.9680496	274.6128248				
DUXAP10 DUXAP10	23.95859834	0	25.64638313	2.942280266	
SNORA11B	SNORA11B	3.125034566	6.16235334		
17.84096218	5.884560532				
SNORD11B	SNORD11B	13.54181645	6.16235334	0	
	4.903800443				
SUSD4 SUSD4	35.41705842	15.84605145	61.32830749		
94.15296851					
KLF16 KLF16	52.08390943	262.340185	74.70902913		
83.36460754					
NFAT5 NFAT5	2198.982656	2211.404513	3082.026217		
2324.40141					
REEP1 REEP1	9.375103698	3.521344766	13.38072164		
2.942280266					
EPB41L5 EPB41L5	557.297831	372.382209	543.0342864		
410.9384772					
STX1A STX1A	162.5017974	158.4605145	136.0373366		
179.4790962					
WASF2 WASF2	2126.065183	5006.471921	2995.051526		
2773.589531					
PYCARD PYCARD	1915.646189	2026.533913	472.7854978		
801.2809924					
SLC2A12 SLC2A12	62.50069132	37.85445623	76.9391494		
39.23040355					
PIGM PIGM	727.0913757	703.388617	1120.635437		
971.9332479					
SNORD111B	SNORD111B	0	0	0	0.980760089
POU6F1 POU6F1	37.50041479	42.25613719	218.5517867		
144.171733					
MIR99AHG	MIR99AHG	0	9.683698106	1.115060136	

	0.980760089			
MIR3609	MIR3609	0	0	2.230120273
SDHAP1	SDHAP1	1086.470351		1428.785639
		1516.255097		
PP12613	PP12613	1.041678189		3.521344766
FAM86B3P	FAM86B3P			10.41678189
		49.062646		
LINC01000	LINC01000			206.2522814
		344.5535821		
LOC100288842	LOC100288842			96.87607155
		102.5855325		
RNF19A	RNF19A	5595.89523		6416.770499
		9545.737943		
MGC57346	MGC57346			425.004701
		440.4487538		
CISD2	CISD2	4535.466834		3705.33503
		3046.240835		
MRI1	MRI1	1471.891281		1563.477076
		1455.447972		
SLC9A2	SLC9A2	1.041678189		2.641008574
PNLIPRP2	PNLIPRP2			0
		62.44336763		0
LOC100507462	LOC100507462			4.460240545
		62.44336763		0
DOPEY1	DOPEY1	486.4637141		47.53815434
		522.7451273		
DLEU1	DLEU1	964.5940027		599.5089464
		654.1669791		764.9312535
LOC101927722	LOC101927722			517.6376806
		16.67292151		819.5692002
LINC00320	LINC00320			0
TBC1D23	TBC1D23	3254.202661		0
		2772.608771		0
OTUB1	OTUB1	11276.16639		0
		8188.36598		0
LINC00998	LINC00998			0
		1948.010058		0
ATG7	ATG7	3057.325484		0
		3608.216366		0
LOC407835	LOC407835			0
		2.230120273		0
OR6W1P	OR6W1P	0	0	1.961520177
SPAG17	SPAG17	466.6718285		290.5109432
		537.4565286		472.7854978
LITAF	LITAF	11757.42172		18088.26773
		14031.73459		11587.70494
RRBP1	RRBP1	1415.640658		2105.76417
		1096.489779		924.384853
PIGU	PIGU	2165.648954		2014.209206
		1934.058895		1519.826966
LOC100500773	LOC100500773			0
				0
				0
				1.961520177

WFDC3	WFDC3	2.083356377	3.521344766	11.15060136	
2.942280266					
COLCA1	COLCA1	0	0.880336191	1.115060136	4.903800443
PSMD1	PSMD1	26954.46481	17232.58095	18338.279	
18011.65903					
GS1-24F4.2	GS1-24F4.2		3.125034566	3.521344766	0
2.942280266					
LOC100652768	LOC100652768		71.87579502	95.07630868	
89.2048109	79.44156718				
NAPRT	NAPRT	1295.847667	2278.310063	751.5505318	
2037.038704					
PLS3	PLS3	269.7946509	905.865941	59.09818722	
271.6705446					
HSF5	HSF5	422.9213446	411.9973376	486.1662194	
619.840376					
LOC202181	LOC202181		256.2528344	357.4164937	
398.0764686	404.0731565				
GFPT1	GFPT1	5390.684627	4455.381465	6080.422923	
4696.860065					
P2RY11	P2RY11	1453.141073	1326.666641	1495.295643	
1390.717806					
BTG2	BTG2	5889.648479	6283.839734	9971.982799	
14356.36618					
YWHAE	YWHAE	16840.81128	16134.80172	11955.67478	
13577.64267					
SCAI	SCAI	391.670999	501.7916291	335.633101	
328.5546297					
CRB2	CRB2	7.291747321	21.12806859	21.18614259	
16.67292151					
TNKS1BP1	TNKS1BP1		163.5434756	378.5445623	
458.289716	381.5156745				
DTWD2	DTWD2	166.6685102	231.5284183	284.3403347	
219.6902599					
DOK7	DOK7	0	0.880336191	6.690360818	0
INA	INA	70.83411683	120.6060582	89.2048109	
50.99952461					
FTCDNL1	FTCDNL1	41.66712755	34.33311147	57.98312709	
44.13420399					
CRNDE	CRNDE	32.29202385	112.6830325	52.4078264	
55.90332505					
RIC3	RIC3	145.8349464	66.02521436	246.4282901	
204.9788585					
ZNF724P	ZNF724P	82.29257691	107.4010154	60.21324736	
68.65320621					
DFNB59	DFNB59	14.58349464	17.60672383	35.68192436	
37.26888337					
ABHD16B	ABHD16B	96.87607155	185.7509364	65.78854804	
130.4410918					
ORC2	ORC2	2244.816497	2317.044856	2042.79017	
2102.74963					

PIAS1	PIAS1	5540.686286	4613.841979	6036.935578	
5301.008279					
MRT04	MRT04	6892.784575	4605.038617	6130.600629	
6725.071928					
H3F3B	H3F3B	95979.18663	80339.48083	84368.79509	
77930.21589					
TRAPPC12	TRAPPC12		1258.347252	1372.444122	
1108.369775	1204.373389				
BNIPL	BNIPL	20.83356377	6.16235334	5.575300681	
23.53824213					
ATXN1L	ATXN1L	222.9191324	738.6020646	385.8108071	
307.9586678					
ZNF860	ZNF860	11.45846008	9.683698106	8.92048109	
7.846080709					
GRWD1	GRWD1	9917.818035	5223.034624	8468.881735	
7363.546746					
BEX5	BEX5	132.29313	54.58084387	201.8258847	
86.3068878					
IVD	IVD	3348.995377	2788.024718	2900.271414	
3621.947007					
NUP210L	NUP210L	8.33342551	12.32470668	24.531323	
14.71140133					
ALPK2	ALPK2	27.08363291	44.01680957	113.7361339	
84.34536763					
PPP1R36	PPP1R36	17.70852921	4.401680957	13.38072164	
8.826840798					
CACNA2D4	CACNA2D4		123.9597045	222.7250564	
183.9849225	226.5555805				
UBE2E1-AS1	UBE2E1-AS1		0	0.880336191	0
0.980760089					
TNFSF12-TNFSF13	TNFSF12-TNFSF13		826.0508036	440.1680957	
603.2475337	430.5536789				
C6orf226	C6orf226		218.7524196	312.519348	
168.3740806	213.8056993				
LOC102724224	LOC102724224		0	0.880336191	0
PCMTD2	PCMTD2	1577.100778	1399.734544	2071.781733	
1867.367209					
SLC35B4	SLC35B4	2413.568363	1992.200801	1718.30767	
2179.248917					
ZNF382	ZNF382	383.3375734	406.7153204	473.9005579	
464.880282					
PDGFRL	PDGFRL	4.166712755	1.760672383	44.60240545	
8.826840798					
MIR4663	MIR4663	0	1.760672383	0	0.980760089
MIR4653	MIR4653	0	0.880336191	0	0
MIR4651	MIR4651	1.041678189	0	1.115060136	0
MIR4650-2	MIR4650-2		2.083356377	0	0
NEBL-AS1	NEBL-AS1		1.041678189	1.760672383	0
0.980760089					
LOC100287042	LOC100287042		2477.110733	1596.049515	

1740.608873	2104.71115			
FAR2P2 FAR2P2	1.041678189	14.96571525	6.690360818	
1.961520177				
NDUF4P1	NDUF4P1	33.33370204	28.17075813	
28.99156354	15.69216142			
LOC339803	LOC339803	473.9635759	298.4339689	
526.3083843	249.1130625			
LOC646938	LOC646938	0 0	0 0.980760089	
SLC9A9-AS1	SLC9A9-AS1	3.125034566	1.760672383	0
0				
TM4SF19-TCTEX1D2	TM4SF19-TCTEX1D2		454.1716903	
450.73213	315.5620186	331.49691		
LINC00920	LINC00920	48.95887487	132.0504287	
34.56686422	177.517576			
LOC100506100	LOC100506100	703.1327774	995.6602325	
367.969845	502.1491654			
RBBP5 RBBP5	2901.073756	3347.918536	3730.991216	
3111.951761				
YBX3 YBX3	3811.500492	4198.323297	2701.79071	
2934.434185				
DDO DDO	1.041678189	0 0	0	
SMUG1 SMUG1	1648.976573	1310.820589	1049.271588	
1159.258425				
C5orf56 C5orf56	695.8410301	771.1745037	1675.935385	
871.8957188				
CNOT10 CNOT10	4406.298738	3082.057006	3776.708682	
3846.541068				
KIAA1549	KIAA1549	35.41705842	39.61512861	0
125.5372913				
TPCN2 TPCN2	1017.71959	1095.138222	677.9565628	
818.934674				
CAMK1G CAMK1G	3.125034566	0 0	2.942280266	
NRIP3 NRIP3	77.08418596	288.7502708	175.0644414	
254.016863				
ZNF527 ZNF527	221.8774542	256.1778317	390.2710477	
377.5926341				
SPIRE2 SPIRE2	22.91692015	23.76907717	7.805420954	
12.74988115				
VIMP VIMP	3737.541341	2189.396108	2863.47443	
1948.770296				
FBN3 FBN3	0 0	0 0.980760089		
YRDC YRDC	5995.899654	3516.943085	4995.46941	
4669.398782				
ZCCHC24 ZCCHC24	60.41733494	129.4094201	160.5686596	
108.8643698				
FLT3 FLT3	0 0	17.84096218	0	
BTNL9 BTNL9	0 0	0 1.961520177		
CLIC6 CLIC6	9.375103698	10.5640343	31.22168382	
22.55748204				
GLMN GLMN	2721.905107	1936.739621	1706.042008	

1945.828016					
HEXDC	HEXDC	848.9677238	959.5664487	929.9601536	
1022.932772					
FAM196A	FAM196A	0	0	0	0.980760089
EML6	EML6	33.33370204	24.64941336	28.99156354	
34.3266031					
EML1	EML1	1.041678189	2.641008574	36.7969845	
57.86484523					
LINC01299	LINC01299		0	0.880336191	0
0.980760089					
FAM224B	FAM224B	0	0.880336191	0	1.961520177
SNHG5	SNHG5	616.6734877	4931.643344	1297.929999	
4510.515648					
RRS1	RRS1	1311.47284	1181.411169	1806.397421	
1503.505216					
PHGDH	PHGDH	1647.934895	5421.110267	1669.245024	
2600.975755					
PLK2	PLK2	154.1683719	191.0329535	536.3439255	
197.1327778					
JMJD6	JMJD6	4965.679926	3714.138392	4728.970038	
3752.388099					
ADPRM	ADPRM	711.4662029	710.4313065	1148.51194	
835.6075955					
PHYHIPL	PHYHIPL	2.083356377	0	0	0
EIF5A2	EIF5A2	1268.764034	1346.034037	900.9685901	
680.6475015					
MEGF11	MEGF11	5.208390943	11.44437049	6.690360818	
10.78836098					
ARIH20S	ARIH20S	705.2161337	551.0904558	653.4252399	
571.7831317					
C16orf92	C16orf92		0	0	3.345180409
2.942280266					
ZNF862	ZNF862	343.7538023	537.885413	656.7704203	
620.8211361					
GEN1	GEN1	1367.723462	1726.339271	808.4185988	
1201.431109					
NANOS1	NANOS1	108.3345316	112.6830325	91.43493117	
115.7296905					
DRD2	DRD2	2.083356377	24.64941336	0	4.903800443
GMIP	GMIP	6865.700942	7356.089216	4405.602598	
6267.056967					
EXOC2	EXOC2	6144.859635	6445.821594	7867.864321	
8571.843175					
BARX1	BARX1	1.041678189	0	0	4.903800443
AK8	AK8	25.00027653	21.12806859	16.72590204	
21.57672195					
THUMPD3	THUMPD3	3003.158218	2826.759511	2524.496149	
2693.167203					
ITGB4	ITGB4	8.33342551	37.85445623	35.68192436	
31.38432284					

TTC21A	TTC21A	122.9180263	142.614463	85.85963049
90.22992816				
ANKRD44	ANKRD44	7324.039345	9466.255067	6995.887295
6901.608744				
KDELC2	KDELC2	1922.937936	2173.550057	1982.576922
1779.098801				
SLC6A4	SLC6A4	10.41678189	5.282017149	5.575300681
6.865320621				
SEPT7-AS1	SEPT7-AS1		7.291747321	14.08537906
18.95602232	20.59596186			
LINC01187	LINC01187		0	1.760672383
0.980760089				0
MMP23B	MMP23B	0	0	2.942280266
PCSK7	PCSK7	5363.600994	4705.396943	4860.547134
6413.19022				
GPX6	GPX6	0	0.880336191	0
GFI1	GFI1	5295.891911	4804.874933	5166.073611
6274.903047				
MIR6771	MIR6771	3.125034566	1.760672383	2.230120273
2.942280266				
ANPEP	ANPEP	151.0433374	38.73479242	12.2656615
8.826840798				
GART	GART	19498.13234	14346.83891	16331.17076
19365.10795				
ANXA7	ANXA7	22885.66981	15858.37615	18077.35493
15973.63956				
DHX30	DHX30	13434.5236	10867.75028	10064.53279
11971.15764				
PNPLA2	PNPLA2	1140.637617	1822.295916	1602.341416
1506.447496				
C12orf5	C12orf5	4583.38403	2120.729885	3308.383424
2547.03395				
GPR84	GPR84	17.70852921	5.282017149	80.28432981
26.48052239				
PARP11	PARP11	404.1711372	543.1674301	1563.314311
665.9361002				
B9D2	B9D2	580.2147511	468.3388538	415.9174308
467.8225623				
ARHGAP39	ARHGAP39		2.083356377	0
5.884560532				0
FEZF1	FEZF1	0	0	0.980760089
XPR1	XPR1	1060.428396	2247.498297	1849.884766
1715.349395				
TMEM63C	TMEM63C	0	16.72638764	0
ATP10D	ATP10D	483.3386796	751.8071075	253.1186509
231.4593809				
TMEM160	TMEM160	2132.315252	2664.777651	1180.848684
1550.5817				
C1orf109	C1orf109		1685.435309	1172.607807
1993.727524	1602.561985			

MLLT1	MLLT1	143.75159	411.9973376	207.4011853	
202.0365783					
MTMR1	MTMR1	2255.233279	2870.77632	1922.363675	
2440.131101					
NAPA	NAPA	8955.307388	6115.695522	10988.91764	
6424.959341					
DNAJC16	DNAJC16	1147.929364	1297.615546	1264.478195	
1344.622082					
ZNF880	ZNF880	645.840477	331.8867442	1210.955308	
626.7056967					
PRDM2	PRDM2	2373.984592	2815.31514	3926.12674	
2984.45295					
PDLIM4	PDLIM4	111.4595662	102.1189982	122.656615	
199.094298					
C3orf18	C3orf18	1130.220835	388.2282604	1294.584818	
1098.451299					
ANKRD65	ANKRD65	2.083356377	0	1.961520177	
C12orf75	C12orf75		17707.48753	17484.3571	
3639.556285	5602.101626				
CLU	CLU	304.1700311	1467.520431	94.78011158	
428.5921587					
LSM1	LSM1	4211.504917	3111.108101	3151.159945	
2819.685255					
LOC100507472	LOC100507472		4.166712755	0.880336191	0
1.961520177					
IDH1-AS1	IDH1-AS1		18.7502074	29.93143051	
16.72590204	22.55748204				
LOC374443	LOC374443		1564.600639	1510.656905	
1990.382343	2041.942505				
MATK	MATK	203.1272468	161.101523	459.4047761	
1321.083839					
ACHE	ACHE	1.041678189	2.641008574	10.03554123	
10.78836098					
GNA12	GNA12	3988.585785	3383.131984	2727.437093	
3516.024918					
ARL4C	ARL4C	20112.72247	15723.68472	7678.304098	
7250.759336					
BLOC1S2	BLOC1S2	5951.107492	3906.932018	5231.862159	
3830.848906					
MIR4767	MIR4767	7.291747321	7.042689532	11.15060136	
15.69216142					
MIR4766	MIR4766	2.083356377	0.880336191	0	3.923040355
FAM45B	FAM45B	4089.628569	3489.652663	2110.808838	
2038.019464					
LINC00159	LINC00159		0	7.805420954	0
ACTR2	ACTR2	23724.22075	40813.26617	19990.79812	
27357.32191					
MIR6804	MIR6804	25.00027653	56.34151625	26.76144327	
39.23040355					
MIR6803	MIR6803	8.33342551	2.641008574	7.805420954	

10.78836098				
MIR6801	MIR6801	1.041678189	2.641008574	3.345180409
5.884560532				
MIR6802	MIR6802	59.37565676	72.1875677	60.21324736
51.9802847				
MIR6800	MIR6800	127.084739	139.9734544	64.6734879
105.9220896				
MIR6799	MIR6799	3.125034566	7.923025723	1.115060136
0.980760089				
MIR6798	MIR6798	45.8338403	25.52974955	35.68192436
23.53824213				
MIR6797	MIR6797	22.91692015	37.85445623	30.10662368
13.73064124				
MIR6796	MIR6796	7.291747321	6.16235334	18.95602232
10.78836098				
MIR6794	MIR6794	0	0.880336191	0
0.980760089				
MIR6793	MIR6793	1.041678189	1.760672383	0
0				
MIR6791	MIR6791	26.04195472	6.16235334	22.30120273
24.51900222				
MIR6792	MIR6792	0	0.880336191	0
0				
MIR6790	MIR6790	17.70852921	17.60672383	16.72590204
17.6536816				
MIR6789	MIR6789	538.5476236	426.9630528	342.3234618
464.880282				
MIR6787	MIR6787	1.041678189	0	0
1.961520177				
MIR6786	MIR6786	2.083356377	4.401680957	0
0				
MIR6785	MIR6785	4.166712755	12.32470668	12.2656615
9.807600887				
UQCC2	UQCC2	3572.956187	3267.807943	2549.027472
2574.495233				
CAMK2N2	CAMK2N2	3.125034566	2.641008574	16.72590204
13.73064124				
DGCR6L	DGCR6L	2759.405522	2610.196808	2688.409989
2315.574569				
JMY	JMY	445.8382648	551.0904558	764.9312535
676.7244612				
TMEM237	TMEM237	1891.687591	1674.399436	1129.555918
1149.450824				
UBR3	UBR3	1369.806818	2064.388369	1592.305875
1732.022317				
FAM192A	FAM192A	6509.447001	5529.391618	4333.12369
5294.142959				
TMEM156	TMEM156	1612.517836	1302.017227	854.1360644
1123.951062				
GBA2	GBA2	4142.754156	3426.268457	3505.749068
4041.712325				
MBOAT2	MBOAT2	207.2939596	503.5523015	204.0560049
282.4589055				
ZNF215	ZNF215	281.2531109	249.1351422	50.17770613
166.7292151				

WNT1	WNT1	2.083356377	8.803361914	40.14216491
11.76912106				
PSD	PSD	58.33397857	124.127403	162.7987799
158.8831344				
FLNA	FLNA	34584.75754	129448.1549	35128.85453
44077.3199				
AGPAT3	AGPAT3	3967.752221	5644.715659	3123.283442
3333.603541				
SCAF11	SCAF11	6722.99103	7209.953408	8209.072723
7892.176434				
PRCP	PRCP	2785.447477	2828.520183	2237.925693
2161.595235				
DDX1	DDX1	13605.35882	9374.700103	9067.669028
10598.09352				
DAPK1	DAPK1	223.9608106	798.4649256	101.4704724
216.7479796				
CTNS	CTNS	1913.562833	1263.282435	1901.177532
1209.277189				
CDKN2B	CDKN2B	1055.220005	113.5633687	247.5433503
54.92256497				
ACSL5	ACSL5	10769.91079	7669.4889	7111.853549
7149.741046				
GATA1	GATA1	0	0.880336191	0
2.942280266				
DERL2	DERL2	4335.464621	3124.313143	3515.78461
2976.606869				
MIB1	MIB1	2539.611424	2534.487895	2221.199791
1876.19405				
GLYR1	GLYR1	4788.594633	5985.405766	4844.936292
5073.471939				
ADAMTS16	ADAMTS16	0	5.282017149	3.345180409
0.980760089				
ALG8	ALG8	5062.555997	5315.469924	3613.909902
4597.803296				
NOP56	NOP56	16705.39311	12066.76818	16104.81355
15559.75881				
LOC100506076	LOC100506076		17.70852921	17.60672383
14.49578177	13.73064124			
LOC100128568	LOC100128568		28.12531109	65.14487817
10.03554123	18.63444168			
WDR1	WDR1	61321.51161	49588.45733	33398.2812
39024.44393				
HTR2B	HTR2B	73.9591514	47.53815434	30.10662368
26.48052239				
TSPYL1	TSPYL1	670.8407535	1382.127821	1369.293847
1379.929445				
TRPM2	TRPM2	236.4609488	96.83698106	166.1439603
82.38384745				
GHR	GHR	0	1.760672383	0
0				
USMG5	USMG5	7010.49421	8367.5955	6610.076488
6535.785231				

NMBR	NMBR	0	0	0	2.942280266		
FAU	FAU	10678.24311		10748.9049		11771.68986	
10908.01371							
ADCY9	ADCY9	129.1680954		248.254806		227.4722678	
167.7099752							
TRIM25	TRIM25	1767.727886		4184.237918		2540.10699	
2019.385023							
ERBB3	ERBB3	14.58349464		17.60672383		37.91204463	
50.99952461							
C17orf104	C17orf104			45.8338403		27.29042193	
28.99156354	52.96104479						
COG6	COG6	1857.31221		1713.134229		2138.685341	
1809.502364							
FLJ45513	FLJ45513			12.50013826		14.96571525	
7.805420954	10.78836098						
CRLF3	CRLF3	9578.230945		8717.088968		8589.30823	
8717.976428							
RASD1	RASD1	17.70852921		17.60672383		15.61084191	
12.74988115							
TMPRSS4-AS1	TMPRSS4-AS1			0	0.880336191	0	0
PLXNC1	PLXNC1	518.755738		1638.305652		924.384853	
937.6066448							
CDK6	CDK6	6204.235292		10299.0531		5207.330836	
4740.013509							
GCA	GCA	848.9677238		1184.052177		1574.464912	
1374.044884							
THBD	THBD	2.083356377		0	0	0	
MIRLET7I	MIRLET7I			7.291747321		6.16235334	
11.15060136	5.884560532						
MIR943	MIR943	226.0441669		172.5458935		217.4367266	
219.6902599							
MIR942	MIR942	0	1.760672383	0		0	
TMEM120A	TMEM120A			1316.681231		1770.356081	
951.1462962	1438.77505						
LOC115110	LOC115110			787.5087107		776.4565208	
579.8312709	849.3382368						
TMEM213	TMEM213	5.208390943		86.27294676		0	49.03800443
C17orf67	C17orf67			153.1266937		191.0329535	
298.8361165	282.4589055						
ERCC2	ERCC2	627.0902696		601.2696188		450.4842951	
477.6301632							
FAM193B	FAM193B	322.9202385		908.5069496		514.0427228	
899.3570013							
AKR1C4	AKR1C4	0	3.521344766	4.460240545		4.903800443	
COL1A2	COL1A2	8.33342551		24.64941336		0	0
PXT1	PXT1	13.54181645		5.282017149		8.92048109	
19.61520177							
KCNK9	KCNK9	0	0	2.230120273		0	
LOC101929528	LOC101929528			0	0	0	2.942280266
TAF2	TAF2	8232.382725		5002.07024		5487.210931	

5300.027519				
RHBDD3	RHBDD3	1629.184687	1314.341934	1047.041468
1055.297855				
MTM1	MTM1	3120.867853	3567.122248	2630.426861
2899.126822				
KIFC2	KIFC2	63.54236951	135.5717735	79.16926967
168.6907353				
UGT8	UGT8	22.91692015	11.44437049	7.805420954
19.61520177				
ARHGEF18	ARHGEF18		1408.348911	3054.766584
1857.690187		2033.115664		
RIMBP3B	RIMBP3B	12.50013826	10.5640343	16.72590204
30.40356275				
ARSJ	ARSJ	0	0.880336191	0
3.923040355				
POLR2J	POLR2J	3478.163472	2928.878509	2778.72986
2329.305211				
SNHG16	SNHG16	4846.928612	2441.172259	5803.888009
5008.741773				
C11orf80	C11orf80		490.6304269	626.7993683
585.4065715		514.8990466		
NAT8	NAT8	0	0	0.980760089
AIM2	AIM2	585.423142	1346.914373	1037.005927
2125.307112				
MAFG	MAFG	2392.734799	1816.133563	2186.632927
1700.637994				
MAFK	MAFK	59.37565676	283.4682536	61.32830749
90.22992816				
PDCD4	PDCD4	6002.149723	5055.770747	24567.00492
19462.2032				
TMEFF1	TMEFF1	76.04250777	76.58924866	81.39938995
55.90332505				
PHF2	PHF2	150.0016592	582.7825587	263.1541922
285.4011858				
KIF15	KIF15	4391.715244	5195.744202	2053.940771
3432.66031				
GNAT1	GNAT1	1.041678189	2.641008574	0
FAT1	FAT1	0	1.760672383	0
0.980760089				
PSME4	PSME4	938.552048	1140.915704	701.3728257
815.9923938				
PSMC4	PSMC4	12835.55864	9231.205303	8510.13896
9293.6826				
ALX3	ALX3	0	3.521344766	12.2656615
6.865320621				
MCAM	MCAM	81.25089872	553.7314644	108.1608332
373.6695938				
FAM179B	FAM179B	657.2989371	711.3116427	1299.045059
714.9741046				
RSPH10B	RSPH10B	6.250069132	3.521344766	10.03554123
8.826840798				
MAATS1	MAATS1	6.250069132	0.880336191	60.21324736
41.19192372				

IFNK	IFNK	0	0	0	0.980760089	
UGGT2	UGGT2	12.50013826		16.72638764	0	10.78836098
ZRANB2	ZRANB2	6592.781256		6735.452201	7089.552346	
7233.105654						
HIPK1-AS1	HIPK1-AS1			30.20866747	68.66622293	
45.71746559	63.74940576					
GPR116	GPR116	0	0	0	2.942280266	
CHD3	CHD3	1184.388101		2616.359161	1623.527558	
1913.462933						
CDKL5	CDKL5	36.4587366		41.375801	88.08975076	
27.46128248						
RPL36A-HNRNPH2	RPL36A-HNRNPH2			13197.02097	14091.54142	
17960.27361	16095.25382					
LOC158960	LOC158960			59.37565676	67.78588674	
128.2319157	53.94180488					
LINC01311	LINC01311			39.58377117	40.49546481	
16.72590204	57.86484523					
DDX11L5	DDX11L5	4.166712755		2.641008574	1.115060136	
2.942280266						
LINC00571	LINC00571			2.083356377	0	0
2.942280266						
LIPE-AS1	LIPE-AS1			42.70880574	46.65781815	
37.91204463	30.40356275					
C1orf145	C1orf145			2.083356377	2.641008574	
13.38072164	12.74988115					
ZNRF3-AS1	ZNRF3-AS1			0	0	2.942280266
AKAP2	AKAP2	5339.642395		8321.818018	5224.056738	
6263.133926						
ADNP	ADNP	1107.303915		1607.493886	1178.618564	
1273.026595						
SH3GLB2	SH3GLB2	2085.439734		2471.984026	1411.666133	
2026.250343						
IGFL4	IGFL4	0	0.880336191	2.230120273	0	
LOC101927667	LOC101927667			2.083356377	1.760672383	
3.345180409	2.942280266					
RUNX3	RUNX3	8308.425233		8120.22103	9030.872044	
7738.1971						
TRIM36	TRIM36	4.166712755		6.16235334	0	4.903800443
ZNF121	ZNF121	323.9619167		296.6732965	501.7770613	
379.5541543						
SMC01	SMC01	2.083356377		2.641008574	0	0
C9orf84	C9orf84	8.33342551		14.96571525	10.03554123	
13.73064124						
PLEKHM3	PLEKHM3	284.3781455		352.1344766	575.3710303	
423.6883583						
C5orf60	C5orf60	0	0	7.805420954	0	
IL10RB	IL10RB	4339.631334		3885.803949	3225.868974	
3766.11874						
PTN	PTN	0	0.880336191	0	0	
RP2	RP2	1558.35057		1336.350339	1838.734165	

1072.951537					
WWP1	WWP1	1611.476158	1725.458935	1966.96608	
1580.004503					
DCAF12	DCAF12	5566.72824	5135.001005	4177.01527	
4501.688807					
ICA1L	ICA1L	218.7524196	338.9294337	286.570455	
349.1505916					
CMTM5	CMTM5	0	0	2.230120273	0
DNM1	DNM1	0	3.521344766	7.805420954	14.71140133
C6orf99	C6orf99	8.33342551	14.08537906	11.15060136	
6.865320621					
IP011-LRRC70	IP011-LRRC70		1305.22277	1103.061248	
1435.082395		1366.198804			
DAAM2	DAAM2	2.083356377	0	7.805420954	0.980760089
NCLN	NCLN	5652.145852	5439.597327	4451.320064	
5102.894741					
PRMT6	PRMT6	2078.147986	1738.663978	1869.955849	
2227.306161					
NCL	NCL	54262.05853	46078.55693	54939.01291	
60754.16445					
UVSSA	UVSSA	1111.470627	721.875677	1339.187224	
822.8577144					
TTC39A	TTC39A	3.125034566	1.760672383	8.92048109	
0.980760089					
MTFP1	MTFP1	4383.381818	2471.984026	2895.811174	
2590.187394					
CDKL3	CDKL3	96.87607155	93.31563629	150.5331184	
110.82589					
MRPL51	MRPL51	10592.8255	9950.439972	7185.447518	
7557.737243					
MIR26B	MIR26B	1.041678189	7.042689532	4.460240545	
4.903800443					
JMJD1C-AS1	JMJD1C-AS1		55.208944	48.41849053	
103.7005927		61.78788559			
OR2C3	OR2C3	0	0	5.575300681	1.961520177
HEMGN	HEMGN	34.37538023	71.30723151	100.3554123	
120.6334909					
LRRC56	LRRC56	26.04195472	22.00840479	61.32830749	
35.30736319					
ALK	ALK	7.291747321	4.401680957	2.230120273	
5.884560532					
CHTF8	CHTF8	9452.187884	9659.048692	9128.997336	
9487.873098					
PIG0	PIG0	3643.790304	3181.534996	2793.225641	
3169.816607					
C17orf100	C17orf100		98.95942793	127.6487478	
204.0560049		191.2482173			
WDYHV1	WDYHV1	778.133607	1098.659567	659.0005405	
858.1650776					
RMND5B	RMND5B	1446.891004	1267.684116	1753.989594	

1831.079086					
AMD1	AMD1	9463.646344	10346.59126	9260.574432	
9383.912528					
AMDHD2	AMDHD2	1413.557302	1346.914373	1110.599896	
1397.583126					
TANC1	TANC1	19.79188559	70.42689532	4.460240545	
85.32612771					
CERS5	CERS5	4993.805237	3295.098365	4090.04058	
3789.656983					
CYP4F3	CYP4F3	23.95859834	0	36.7969845	14.71140133
SLC17A1	SLC17A1	0	0	3.923040355	
KCTD5	KCTD5	5247.974715	3808.334364	2990.591285	
3329.680501					
PKNOX1	PKNOX1	1756.269426	1522.981611	2040.560049	
1630.023267					
SSB	SSB	5277.141704	4386.715242	5852.950655	
5524.621579					
HIST1H1A	HIST1H1A		435.4214829	1313.461598	
268.7294928		676.7244612			
SRPK1	SRPK1	10248.03002	10749.78523	7342.670997	
10264.63509					
CXCL13	CXCL13	205.2106032	345.091787	421.4927315	
1491.736095					
ARFGEF2	ARFGEF2	1991.688697	3823.300079	2640.462403	
2772.608771					
PFKFB4	PFKFB4	75.00082959	298.4339689	347.8987625	
1181.815907					
PLA2G15	PLA2G15	1388.557026	952.5237591	1109.484836	
1168.085266					
KIAA1731NL	KIAA1731NL		3.125034566	3.521344766	0
0					
S100A4	S100A4	15124.12562	33693.98739	5259.738663	
14368.1353					
CLIP1	CLIP1	5201.099196	4340.057424	6467.34879	
5559.928943					
ST8SIA4	ST8SIA4	8358.425786	7594.660324	4735.660399	
3733.753658					
RHCE	RHCE	346.8788368	242.0924526	283.2252746	
221.65178					
CEP70	CEP70	515.6307034	357.4164937	481.7059789	
413.8807574					
THUMPD1	THUMPD1	4567.758857	4190.400271	5860.756076	
4826.320396					
TTC27	TTC27	4024.002843	2685.90572	3654.052067	
3772.984061					
IP011	IP011	4084.420178	3499.336361	4499.26765	
4198.63394					
NOX3	NOX3	0	0	0.980760089	
FAM98A	FAM98A	5663.604312	4185.118254	4434.594162	
4092.71185					

DNAJB4	DNAJB4	452.0883339	337.1687613	1504.216124
458.9957215				
RER1	RER1	11106.37285	9092.992521	7932.537809
8068.713249				
PLG	PLG	0	0	0.980760089
ME2	ME2	10471.99083	7968.803205	9838.175582
9707.563358				
EBLN1	EBLN1	0	0	6.865320621
ALDH1A1	ALDH1A1	1.041678189	0	0
GIMAP5	GIMAP5	9798.025043	8236.425407	11763.88444
11756.37118				
GIMAP4	GIMAP4	8924.057043	10528.82085	11323.43568
11709.2947				
ANXA4	ANXA4	3996.91921	2766.89665	1639.1384
2130.210913				
GMEB2	GMEB2	1642.726504	2174.430393	1726.113091
1866.386449				
NHLH1	NHLH1	7.291747321	12.32470668	3.345180409
17.6536816				
TM9SF1	TM9SF1	5271.933313	3774.881589	3772.248441
3688.638693				
GPSM2	GPSM2	2508.361078	2645.410255	1102.794475
1115.124221				
PI4K2B	PI4K2B	5495.894124	4826.883338	4584.01222
3874.98311				
URB1	URB1	1404.182198	1929.696932	2003.763065
1606.485025				
USP53	USP53	263.5445817	405.8349843	943.3408753
1409.352247				
NUDT5	NUDT5	9307.394616	7923.025723	6030.245217
6875.128222				
C16orf72	C16orf72		1979.188559	2747.529253
2758.658777	1871.290249			
TRIM31	TRIM31	1.041678189	0	0.980760089
SYNM	SYNM	82.29257691	279.9469089	206.2861252
120.6334909				
TPTE	TPTE	0	18.48706002	2.230120273
CHMP4C	CHMP4C	6.250069132	14.96571525	5.575300681
9.807600887				
USP51	USP51	19.79188559	29.05109432	15.61084191
25.49976231				
GJD3	GJD3	77.08418596	110.9223601	74.70902913
115.7296905				
NID1	NID1	4.166712755	19.36739621	0
ZNF35	ZNF35	244.7943743	244.7334612	224.1270874
258.9206634				
LENG9	LENG9	20.83356377	55.46118006	57.98312709
56.88408514				
TMEM133	TMEM133	0	1.760672383	0
FAM35A	FAM35A	4539.633546	3195.620375	2942.6437

3471.890714					
TLN2	TLN2	9.375103698	6.16235334	3.345180409	
39.23040355					
DONSON	DONSON	5515.686009	4140.221108	2425.255796	
2955.030147					
HECW1	HECW1	11.45846008	3.521344766	1.115060136	0
DIS3	DIS3	6425.071068	5214.231262	5496.131412	
5880.637492					
VWA8	VWA8	645.840477	889.1395534	753.7806521	
953.2988062					
EMC4	EMC4	9495.938368	7624.591754	8282.666692	
7534.199001					
LOC729732	LOC729732		5.208390943	5.282017149	
16.72590204	7.846080709				
SCML2	SCML2	322.9202385	339.8097699	301.0662368	
405.0539166					
LEFTY2	LEFTY2	0	0	1.961520177	
ZEB2	ZEB2	593.7565676	1156.761756	381.3505666	
867.9726785					
MFAP2	MFAP2	1.041678189	0	5.575300681	0
DR1	DR1	7089.661752	6261.83133	6379.25904	
5458.910654					
EPHB3	EPHB3	5.208390943	0.880336191	0	0
MAN2A1	MAN2A1	1934.396396	3163.047936	1998.187764	
2022.327303					
HARBI1	HARBI1	539.5893017	421.6810357	572.0258499	
337.3814705					
TTC9C	TTC9C	1559.392248	1487.768164	1362.603487	
1307.353198					
C2orf49	C2orf49	1430.224153	1537.947326	1119.520377	
1356.391203					
SLC25A23	SLC25A23		694.7993519	1089.856205	
950.0312361	1621.196427				
WDR77	WDR77	7047.994625	4360.305156	6317.930732	
7115.414443					
ABCA12	ABCA12	2.083356377	0	10.03554123	22.55748204
POLR1C	POLR1C	3851.084264	2008.927189	4032.057453	
3571.928243					
BRI3BP	BRI3BP	2777.114051	2404.198139	1646.943821	
1590.792864					
SAMD10	SAMD10	1114.595662	1846.94533	797.2679974	
1416.217568					
KIF20A	KIF20A	6407.362539	5617.425238	3321.764146	
5110.740822					
RIOK3	RIOK3	4563.592145	3395.45669	5050.107357	
3743.561258					
HSBP1	HSBP1	5356.309246	5008.232593	4683.252572	
4967.549849					
ZNF137P	ZNF137P	21.87524196	49.29882672	24.531323	
106.9028497					

DRAM1	DRAM1	945.8437953	466.5781815	1004.669183
660.0515397				
MRPL18	MRPL18	6853.200803	5555.801704	5515.087434
4981.28049				
CROCC	CROCC	146.8766246	294.0322879	528.5385046
662.9938199				
IFT172	IFT172	317.7118476	435.7664148	437.1035734
539.4180488				
SRP68	SRP68	14058.48883	10284.96772	10685.62129
11857.38947				
TLN1	TLN1	27845.09966	32096.1772	19607.21744
22920.36327				
KRT2	KRT2	4.166712755	1.760672383	0 0
KRT10	KRT10	2862.531663	2568.821007	2731.897334
2104.71115				
ARRDC5	ARRDC5	10.41678189	8.803361914	76.9391494
40.21116364				
NTRK3	NTRK3	12.50013826	32.57243908	16.72590204
20.59596186				
RFC2	RFC2	7808.419702	6193.165107	4461.355605
5891.425853				
DEGS1	DEGS1	8912.598582	6636.854547	7824.376976
6076.789509				
SLC15A3	SLC15A3	7.291747321	7.042689532	26.76144327
69.6339663				
PCDH12	PCDH12	102.0844625	222.7250564	3.345180409
184.3828967				
MY010	MY010	4.166712755	21.12806859	1.115060136
7.846080709				
AFF4	AFF4	1516.683443	1711.373556	2641.577463
1528.024218				
SLC15A4	SLC15A4	1713.56062	1356.598071	1120.635437
1627.080987				
RPS19BP1	RPS19BP1		4806.303163	3552.156532
3935.047221	3754.349619			
EPN3	EPN3	2.083356377	0.880336191	0 0
DACH1	DACH1	8.33342551	27.29042193	0 17.6536816
IWS1	IWS1	3928.16845	3812.736045	3726.530975
3793.580023				
PINX1	PINX1	1772.936277	1091.616877	1658.094423
1514.293577				
CLN6	CLN6	308.3367439	835.4390457	256.4638313
197.1327778				
MAP7D1	MAP7D1	3950.043692	7017.159782	3306.153304
3437.564111				
VPS37C	VPS37C	63.54236951	172.5458935	120.4264947
168.6907353				
GPN2	GPN2	2401.068225	1878.637433	1838.734165
1818.329204				
MAP3K12	MAP3K12	433.3381265	669.0555055	526.3083843

558.0524905				
HEATR1 HEATR1	6553.197485	8280.442217	6842.008996	
7889.234153				
ANKRD24 ANKRD24	16.66685102	12.32470668	0	52.96104479
SLC17A5 SLC17A5	1009.386165	581.9022225	1498.640823	
905.2415618				
UBE2MP1 UBE2MP1	1.041678189	7.923025723	2.230120273	
2.942280266				
PGM5P2 PGM5P2	33.33370204	26.41008574	32.33674395	
13.73064124				
LOC100506548	LOC100506548	377.0875043	315.1603565	
647.8499392	305.9971477			
PTPRZ1 PTPRZ1	0 0	0	0.980760089	
SLC4A3 SLC4A3	2.083356377	0	0	0.980760089
PIGB PIGB	2118.773436	1647.98935	1334.726983	
1460.351772				
ATP9A ATP9A	171.8769011	460.4158281	105.9307129	
279.5166253				
LOC100652824	LOC100652824	1.041678189	0	8.92048109
0				
TNFRSF10A	TNFRSF10A	882.3014258	713.0723151	
2603.665418	1449.563411			
C9orf53 C9orf53	1.041678189	0	0	0
NAPB NAPB	722.924663	843.3620714	1064.88243	
976.8370483				
HLA-J HLA-J	2.083356377	17.60672383	42.37228518	
26.48052239				
SEC14L1P1	SEC14L1P1	66.66740408	58.10218863	
36.7969845	101.0182891			
SLC45A3 SLC45A3	5.208390943	11.44437049	0	5.884560532
SHISA2 SHISA2	19.79188559	182.2295916	23.41626286	
15.69216142				
ZYG11A ZYG11A	20.83356377	29.93143051	18.95602232	
10.78836098				
SMIM4 SMIM4	405.2128154	619.7566788	495.0867005	
373.6695938				
MPV17L MPV17L	11.45846008	22.00840479	11.15060136	
6.865320621				
TTC36 TTC36	11.45846008	11.44437049	7.805420954	
5.884560532				
RFPL3 RFPL3	5.208390943	3.521344766	20.07108245	
3.923040355				
SCRN3 SCRN3	885.4264604	730.6790389	556.415008	
569.8216115				
ELAC2 ELAC2	11941.79876	7459.968886	8740.956408	
7709.755057				
SLC37A2 SLC37A2	23.95859834	46.65781815	0	44.13420399
ARHGEF12	ARHGEF12	941.6770826	1490.409172	
734.8246298	975.8562882			
IL16 IL16	8827.180971	3566.241912	8923.826271	

9691.871196					
RNFT1 RNFT1	2340.65089	2289.754434	1836.504044		
2464.650103					
ATP2B2 ATP2B2	0 12.32470668	1.115060136	1.961520177		
HMMR-AS1	HMMR-AS1	832.3008728	816.0716495		
478.3607985	661.0322998				
LOC101926933	LOC101926933	10.41678189	14.08537906		
16.72590204	9.807600887				
LOC729218	LOC729218	382.2958953	568.6971797		
647.8499392	479.5916834				
OR10AD1 OR10AD1	0 0	0 0.980760089			
OR56B1 OR56B1	0 0	3.345180409	5.884560532		
OR52N4 OR52N4	3.125034566	0.880336191	37.91204463		
56.88408514					
RPS24 RPS24	7092.786787	8209.134985	7939.22817		
7239.970975					
HDAC5 HDAC5	912.5100933	1582.844472	3501.288828		
2497.995946					
TMEM178B	TMEM178B	37.50041479	44.01680957		
79.16926967	7.846080709				
MVB12A MVB12A	1161.47118	1194.616212	878.6673874		
1081.778378					
SYNDIG1L	SYNDIG1L	0 0	21.18614259	0	
CWC22 CWC22	3947.960335	3259.884917	4045.438174		
4146.653655					
TGM2 TGM2	20.83356377	0.880336191	14.49578177	0	
SLC35D2 SLC35D2	648.9655116	311.6390118	642.2746385		
489.3992842					
NEK10 NEK10	16.66685102	14.08537906	12.2656615		
10.78836098					
GCC2 GCC2	2005.230513	1854.868355	4199.316473		
2869.704019					
CHCHD6 CHCHD6	462.5051158	306.3569946	433.758393		
578.6484523					
MIEN1 MIEN1	3537.539129	3882.282604	2404.069654		
2685.321123					
LLPH LLPH	4259.422114	2932.399854	3124.398502		
2963.856988					
MAP4K5 MAP4K5	975.0107846	1009.745612	1592.305875		
1614.331106					
C2CD4A C2CD4A	30.20866747	29.93143051	79.16926967		
134.3641321					
FAM199X FAM199X	1779.186346	1817.894235	1489.720342		
1436.81353					
TMEM132E	TMEM132E	1.041678189	0 2.230120273		
2.942280266					
RECK RECK	756.258365	720.1150046	773.8517346		
1133.758663					
HAUS6 HAUS6	3155.243234	2770.417994	2518.920848		
2355.785733					

SPATA3	SPATA3	7.291747321	24.64941336	0	10.78836098
DNER	DNER	0	0.880336191	0	0
LRFN1	LRFN1	113.5429226	288.7502708	296.6059962	
306.9779078					
PWP2	PWP2	6858.409194	5341.88001	5302.110948	
6963.39663					
SMIM11	SMIM11	834.3842291	705.1492893	838.5252225	
793.4349117					
YBEY	YBEY	313.5451348	307.2373308	468.3252572	
317.7662687					
ABCG8	ABCG8	0	0	6.690360818	0
PGLYRP2	PGLYRP2	16.66685102	22.88874098	32.33674395	
31.38432284					
ENKD1	ENKD1	100.0011061	194.5542983	147.187938	
113.7681703					
PLA2G6	PLA2G6	252.0861217	598.6286102	268.7294928	
483.5147237					
POM121L8P	POM121L8P	0	0.880336191	0	
2.942280266					
HLA-L	HLA-L	10.41678189	3.521344766	2.230120273	
1.961520177					
METTL12	METTL12	139.5848773	149.6571525	214.0915462	
123.5757712					
LPCAT2	LPCAT2	232.2942361	315.1603565	54.63794668	
123.5757712					
CCL26	CCL26	0	0.880336191	0	0
AP2S1	AP2S1	1715.643977	3046.843559	1106.139655	
1229.873151					
TTC21B	TTC21B	1648.976573	1640.946661	1583.385393	
1556.466261					
EIF3J	EIF3J	3570.872831	2474.625034	2714.056372	
2593.129674					
WDR91	WDR91	1087.512029	1218.385289	1177.503504	
1249.488353					
TGFA	TGFA	2.083356377	0	86.97469063	11.76912106
DHX58	DHX58	1796.894876	1181.411169	2309.289542	
1385.814005					
AFAP1	AFAP1	258.3361908	396.1512861	715.8686075	
1168.085266					
MYLK4	MYLK4	0	10.5640343	42.37228518	15.69216142
SLC34A1	SLC34A1	0	0.880336191	0	1.961520177
TRMT1L	TRMT1L	3285.453007	2820.597157	2799.916002	
3036.433235					
LUZP6	LUZP6	4079.211787	7482.857627	4470.276086	
4402.632038					
DENND4A	DENND4A	1985.438628	2623.40185	2915.882256	
2693.167203					
NDUFA3	NDUFA3	2394.818156	2878.699346	2613.700959	
2114.518751					
ZACN	ZACN	1004.177774	1223.667306	939.9956949	

1102.37434				
MTURN	MTURN	91.66768061	184.8706002	161.6837198
218.7094998				
ZNF555	ZNF555	90.62600242	120.6060582	617.7433155
398.188596				
TAB3	TAB3	1560.433927	2833.8022	1738.378752
1552.54322				
RABEP2	RABEP2	401.0461026	546.6887749	278.7650341
329.5353898				
LRP5L	LRP5L	85.41761147	145.2554716	113.7361339
107.8836098				
CPT1A	CPT1A	1050.011614	1263.282435	844.1005232
727.7239858				
CCDC154	CCDC154	0	16.72638764	6.690360818
				4.903800443
NPM2	NPM2	7.291747321	10.5640343	21.18614259
10.78836098				
HIST2H3D	HIST2H3D		14.58349464	20.2477324
39.02710477		23.53824213		
HMSD	HMSD	73.9591514	113.5633687	118.1963744
124.5565313				
ARHGAP10	ARHGAP10		1164.596215	1385.649165
337.8632213		658.0900195		
PANK3	PANK3	1202.09663	1499.212534	1164.122782
971.9332479				
MCL1	MCL1	14481.41018	26669.78492	17613.48991
21360.95473				
MSANTD3-TMEFF1	MSANTD3-TMEFF1		261.4612254	263.2205212
228.5873279		245.1900222		
LRFN4	LRFN4	296.8782838	638.2437388	239.7379293
361.9004727				
FUNDC2	FUNDC2	4032.336268	3379.610639	4885.078457
4058.385247				
MRPL24	MRPL24	2970.866194	2258.942667	2989.476225
3381.660786				
TIGD2	TIGD2	213.5440287	141.7341268	246.4282901
169.6714953				
GAMT	GAMT	663.5490062	800.225598	481.7059789
906.2223219				
EIF3F	EIF3F	6457.363092	5889.449121	6921.178266
5984.598061				
EIF3B	EIF3B	28469.0649	21267.16171	21047.87513
24589.61694				
YES1	YES1	505.2139215	497.3899482	573.14091
768.9159095				
ZNF787	ZNF787	71.87579502	211.2806859	82.51445008
56.88408514				
TIAL1	TIAL1	708.3411683	1734.262297	796.1529373
709.0895441				
THRA	THRA	86.45928966	164.6228678	403.6517693
223.6133002				

THBS2	THBS2	0	3.521344766	28.99156354	0.980760089	
PANX3	PANX3	0	0	1.115060136	0	
RBP7	RBP7	2.083356377	0	0	0	
ACRC	ACRC	44.79216211	75.70891246	52.4078264		
54.92256497						
SFTPB	SFTPB	3.125034566	0.880336191	0	6.865320621	
PLEKHA1	PLEKHA1	223.9608106	161.101523	1961.39078		
989.5869295						
SUMF1	SUMF1	702.0910992	474.5012072	1235.486631		
867.9726785						
SNORD38A	SNORD38A		28.12531109	27.29042193		
47.94758586	58.84560532					
ANXA2P3	ANXA2P3	1.041678189	0.880336191	1.115060136	0	
TOP1P2	TOP1P2	0	0.880336191	0	0	
TSPAN31	TSPAN31	1586.475881	1375.085131	1803.05224		
1679.061272						
SLC25A34	SLC25A34		5.208390943	14.08537906		
8.92048109	14.71140133					
SMARCA5	SMARCA5	16914.77043	16056.4518	15243.98712		
15497.97092						
APOL5	APOL5	1.041678189	0	0	0	
KCNQ1DN	KCNQ1DN	0	0	0.980760089		
EIF4ENIF1	EIF4ENIF1		2581.278552	2383.07007		
2278.067858	2468.573143					
BRD8	BRD8	4705.260378	4220.331702	3693.079171		
4107.423251						
KIAA1586	KIAA1586		1112.512306	1166.445454		
951.1462962	927.7990439					
SLC2A14	SLC2A14	2.083356377	163.7425316	4.460240545		
153.9793339						
SAT1	SAT1	7978.213247	8070.041867	10955.46584		
8571.843175						
LOC154761	LOC154761		680.2158572	444.5697767		
713.6384872	642.3978581					
CABP7	CABP7	995.8443484	647.0471007	700.2577656		
640.4363379						
RARRES1	RARRES1	5.208390943	5.282017149	10.03554123		
2.942280266						
NUDT9P1	NUDT9P1	4.166712755	1.760672383	39.02710477		
28.44204257						
SNORD42A	SNORD42A		0	0.880336191	1.115060136	
0.980760089						
SNORD42B	SNORD42B		27.08363291	28.17075813		
69.13372845	22.55748204					
PSMB6	PSMB6	22712.75123	15974.58053	13659.48667		
13785.56381						
RPL23A	RPL23A	25017.98506	24057.82744	32159.44939		
25355.59057						
R3HCC1	R3HCC1	2426.068501	1806.449865	1816.432962		
1895.809251						

CPA4	CPA4	0	0	0	10.78836098	
SPATA20	SPATA20	534.3809108		953.4040953	360.164424	
1235.757712						
COL3A1	COL3A1	33.33370204		0	2.230120273	0
COL4A1	COL4A1	1.041678189		0	0	1.961520177
SNORD5	SNORD5	18.7502074		7.923025723		10.03554123
18.63444168						
SNORA32	SNORA32	14.58349464		17.60672383		28.99156354
18.63444168						
PTPRVP	PTPRVP	21.87524196		5.282017149	0	8.826840798
C1D	C1D	1025.011338		2552.094619		955.6065368
1869.328729						
B3GAT2	B3GAT2	155.2100501		67.78588674		186.2150428
116.7104506						
TREX2	TREX2	35.41705842		44.01680957		27.87650341
48.05724434						
ZNF469	ZNF469	13.54181645		30.8117667		3.345180409
21.57672195						
PARK7	PARK7	26943.00635		20174.6645		17856.57302
22697.73073						
FAM201A	FAM201A	1.041678189		7.923025723		4.460240545
55.90332505						
SLC40A1	SLC40A1	383.3375734		363.5788471		2659.418425
1527.043458						
ZBTB46	ZBTB46	21.87524196		87.15328295		14.49578177
33.34584301						
CFP	CFP	94.79271517		87.15328295		54.63794668
42.17268381						
ZNF44	ZNF44	913.5517715		589.8252483		2207.81907
1346.583602						
NHSL1	NHSL1	5.208390943		25.52974955		35.68192436
3.923040355						
NINJ1	NINJ1	7984.463316		7655.403521		5873.021738
6849.628459						
HTT-AS	HTT-AS	2.083356377		0	4.460240545	0.980760089
LOC100289495	LOC100289495			8.33342551		16.72638764
12.2656615	12.74988115					
MIR550B2	MIR550B2			0	0.880336191	0
0.980760089						
MIR3654	MIR3654	5768.813809		4324.211372		5984.527751
5446.160772						
KLRC4-KLRK1	KLRC4-KLRK1			192.7104649		14.96571525
1833.158864	66.69168603					
CBX7	CBX7	204.168925		494.7489396		1546.588409
1315.199279						
LRP11	LRP11	284.3781455		275.5452279		560.8752485
473.7071228						
ORAI2	ORAI2	7129.245523		5989.807447		4716.704376
5098.971701						
IL9	IL9	5.208390943		2.641008574		3093.176818

209.882659				
MCM6 MCM6	22672.12578	21297.97348	15589.65577	
22762.4609				
RPL7 RPL7	32298.27392	23416.06236	35185.7226	
30830.19339				
LIFR LIFR	5.208390943	6.16235334	20.07108245	
2.942280266				
PRDM1 PRDM1	12847.0171	13086.19749	4970.938087	
6574.034874				
SLC25A35	SLC25A35	4166.712755	3389.294337	
2468.743142	3008.971952			
LOC102724927	LOC102724927	2.083356377	0.880336191	
3.345180409	2.942280266			
SSRP1 SSRP1	3667.748902	6770.665648	3680.81351	
3287.507817				
SSR2 SSR2	10813.66128	9073.625125	7115.19873	
6537.746751				
LOC101927211	LOC101927211	2.083356377	6.16235334	
1.115060136	5.884560532			
TRIM59 TRIM59	1989.60534	2560.897981	1631.332979	
1182.796667				
LOC100129917	LOC100129917	245.8360525	344.2114509	
584.2915114	465.8610421			
TXNDC8 TXNDC8	1.041678189	0 0	0	
MIR1282 MIR1282	10225.1131	11123.04778	8158.895017	
9228.952434				
IRF5 IRF5	2093.773159	1405.016562	1466.304079	
2016.442742				
ZFP28 ZFP28	81.25089872	47.53815434	732.5945095	
180.4598563				
LOC101927905	LOC101927905	14.58349464	13.20504287	
33.45180409	18.63444168			
EN03 EN03	127.084739	180.4689192	82.51445008	
208.9018989				
ZCCHC4 ZCCHC4	1469.807924	1258.000418	1113.945076	
1300.487878				
PITPNM3 PITPNM3	6.250069132	8.803361914	17.84096218	
11.76912106				
MZT2B MZT2B	3775.041756	4108.529005	2459.822661	
3112.932521				
ERICH6 ERICH6	17.70852921	15.84605145	40.14216491	
15.69216142				
UBE2NL UBE2NL	1.041678189	1.760672383	0 0	
PRMT5-AS1	PRMT5-AS1	5716.7299	3115.509782	
5316.60673	4649.78358			
SNORD109A	SNORD109A	1.041678189	2.641008574	
1.115060136	0.980760089			
SNORD64 SNORD64	2.083356377	1.760672383	16.72590204	
0.980760089				
APOC2 APOC2	2.083356377	0 0	0	

OPN3	OPN3	1369.806818	1496.571525	1054.846889	
1182.796667					
WDR37	WDR37	2065.647848	1928.816595	2065.091372	
1824.213765					
MMP25	MMP25	483.3386796	779.9778656	260.9240719	
284.4204257					
KIAA1328	KIAA1328		220.835776	161.9818592	
178.4096218		179.4790962			
KCTD16	KCTD16	0	6.16235334	0	10.78836098
NTN3	NTN3	0	4.401680957	4.460240545	0
NRL	NRL	73.9591514	79.23025723	103.7005927	
89.24916807					
VTI1B	VTI1B	4828.178405	3966.794879	4404.487538	
4196.672419					
DPH7	DPH7	2363.56781	1767.715072	1867.725728	
2247.902123					
ALKBH8	ALKBH8	1225.01355	884.7378724	1363.718547	
1082.759138					
PPAP2C	PPAP2C	13.54181645	25.52974955	12.2656615	
16.67292151					
OTX1	OTX1	4.166712755	22.00840479	3.345180409	0
CREBRF	CREBRF	873.9680003	579.261214	7038.25958	
3243.373613					
COG7	COG7	1804.186623	1405.016562	1235.486631	
1611.388826					
AKAP7	AKAP7	206.2522814	272.9042193	279.8800942	
409.9577171					
MTMR4	MTMR4	5100.056412	6298.80545	4479.196567	
6638.76504					
MTMR6	MTMR6	7224.038239	6001.251817	4731.200158	
4595.841775					
CEL	CEL	10.41678189	17.60672383	12.2656615	
14.71140133					
ONECUT2	ONECUT2	1.041678189	14.96571525	1.115060136	
12.74988115					
POU2F1	POU2F1	884.3847822	781.738538	1155.202301	
959.1833667					
NFYB	NFYB	3161.493303	2895.425734	3171.231028	
2909.915183					
PPL	PPL	7.291747321	29.93143051	42.37228518	
36.28812328					
CGN	CGN	44.79216211	51.0594991	97.01023186	
105.9220896					
BLOC1S4	BLOC1S4	2210.441116	1779.159443	2160.986544	
2470.534663					
IGLON5	IGLON5	0	1.760672383	0	
C17orf51	C17orf51		703.1327774	669.0555055	
682.4168034		555.1102102			
XKRX	XKRX	10.41678189	20.2477324	0	20.59596186
BOLA3	BOLA3	2678.154623	2218.447202	2013.798606	

1812.444644				
BLOC1S3	BLOC1S3	631.2569824	605.6712997	904.3137705
617.8788559				
SLC36A4	SLC36A4	1405.223877	1416.460932	1435.082395
1406.409967				
CPA6	CPA6	2.083356377	16.72638764	22.30120273
9.807600887				
SYNE2	SYNE2	5970.899378	3673.642927	12179.80187
6456.343664				
GPRIN3	GPRIN3	5227.141151	9027.847643	1818.663082
3448.352472				
TMEM17	TMEM17	22.91692015	44.01680957	7.805420954
21.57672195				
PON3	PON3	5.208390943	0.880336191	6.690360818
3.923040355				
TMEM143	TMEM143	656.2572589	800.225598	719.2137879
764.9928692				
RSC1A1	RSC1A1	1142.720973	943.7203972	990.173401
852.2805171				
METTL16	METTL16	2079.189665	1868.953734	2602.550358
2423.458179				
ASPSCR1	ASPSCR1	1356.265002	945.4810696	1257.787834
1118.066501				
NCAPD2	NCAPD2	16026.21893	20421.15863	9852.671364
14202.38684				
LPPR4	LPPR4	0	0	0.980760089
PKD2	PKD2	1485.433097	853.9261057	786.1173961
667.8976204				
MIR423	MIR423	4.166712755	3.521344766	10.03554123
6.865320621				
MIR128-1	MIR128-1		0	0.880336191
2.942280266				0
HCST	HCST	2835.44803	3618.181747	1731.688392
2484.265305				
PHTF1	PHTF1	2894.823686	2083.755765	1536.552868
1648.657709				
KLF1	KLF1	15.62517283	27.29042193	14.49578177
20.59596186				
ADORA2B	ADORA2B	28.12531109	79.23025723	188.445163
195.1712576				
CA12	CA12	0	33.45277527	0
NBPF3	NBPF3	311.4617784	256.1778317	8.826840798
381.5156745				392.501168
GPBP1	GPBP1	8611.553586	7077.902979	13763.18726
9180.89519				
NDUFB10	NDUFB10	5447.976927	5669.365073	4022.021912
4734.128948				
NDUFB2	NDUFB2	5600.061942	5418.469258	4450.205004
4194.710899				
TMEM167A	TMEM167A		7977.171569	7508.387377

6078.192803	5563.851983			
LYG1 LYG1	32.29202385	21.12806859	17.84096218	
28.44204257				
PCP2 PCP2	185.4187176	162.8621954	177.2945617	
159.8638945				
SLC16A10	SLC16A10	312.5034566	181.3492554	
372.4300855	327.5738696			
ACBD7 ACBD7	47.91719668	106.5206792	93.66505145	
37.26888337				
PLA2G4B PLA2G4B	86.45928966	235.9300993	205.1710651	
361.9004727				
ARID5A ARID5A	18418.95373	15345.14015	16637.81229	
27566.22381				
ZNF765 ZNF765	1025.011338	1179.650497	1522.057086	
1637.869348				
ZFP92 ZFP92	5.208390943	14.08537906	7.805420954	
3.923040355				
VMA21 VMA21	5551.103068	5560.203385	5380.165157	
5446.160772				
CDNF CDNF	20.83356377	19.36739621	14.49578177	
20.59596186				
HLA-H HLA-H	48.95887487	215.6823669	137.1523968	
279.5166253				
SUM03 SUM03	5394.851339	6790.913381	5416.962142	
4987.165051				
NIP7 NIP7	4442.757475	3261.645589	4338.69899	
3856.348669				
SHISA3 SHISA3	30.20866747	19.36739621	4.460240545	
17.6536816				
RBM44 RBM44	23.95859834	4.401680957	13.38072164	
12.74988115				
C16orf90	C16orf90	0	0.880336191	0 0
TMEM223 TMEM223	1228.138584	1350.435718	1062.65231	
1051.374815				
SMIM15 SMIM15	5737.563463	4090.922282	4507.073071	
4208.44154				
RELL1 RELL1	886.4681386	1276.487478	733.7095697	
656.1284993				
SLC8A1 SLC8A1	14.58349464	70.42689532	0 36.28812328	
NUDT7 NUDT7	220.835776	256.1778317	233.0475685	
318.7470288				
NSDHL NSDHL	2418.776754	1677.040445	1706.042008	
1743.791438				
PACRGL PACRGL	186.4603958	229.767746	244.1981698	
291.2857463				
DLC1 DLC1	16.66685102	43.13647338	79.16926967	
81.40308736				
FRAT1 FRAT1	132.29313	329.2457356	223.0120273	
273.6320647				
LOC101927559	LOC101927559	276.04472	459.5354919	

514.0427228	458.0149614			
WIPF2 WIPF2	889.5931731	1379.486812	1261.133014	
1068.047737				
ELL3 ELL3	91.66768061	118.8453858	389.1559876	
234.4016612				
MYH8 MYH8	12.50013826	0.880336191	0 0	
NAPSA NAPSA	607.298384	544.0477663	996.8637618	
1629.042507				
TRABD2B TRABD2B	0 0	0 1.961520177		
YAE1D1 YAE1D1	345.8371586	332.7670804	459.4047761	
444.2843202				
NIT2 NIT2	4003.169279	2957.929603	3141.124404	
3153.143685				
LHX9 LHX9	11.45846008	0 13.38072164	0	
PRKX PRKX	6070.900484	3121.672135	4962.017606	
2596.071955				
KIF24 KIF24	1016.677912	1394.452527	760.4710129	
923.8760035				
ESPNL ESPNL	5.208390943	1.760672383	0 0	
RRP36 RRP36	4686.510171	3743.189486	3421.004498	
3042.317795				
C21orf59	C21orf59	4324.006161	3009.869439	
3396.473175	3000.145111			
CNP CNP	11239.70766	9430.161283	8733.150987	
7735.254819				
ZIC5 ZIC5	0 0	0 0.980760089		
ZNF462 ZNF462	0 5.282017149	10.03554123	3.923040355	
ANXA2P1 ANXA2P1	2.083356377	1.760672383	0 0.980760089	
CYP4F22 CYP4F22	16.66685102	40.49546481	10.03554123	
40.21116364				
LPCAT3 LPCAT3	3212.535534	3773.120917	2740.817815	
3638.619929				
FLJ42393	FLJ42393	11.45846008	18.48706002	0
17.6536816				
LOC286359	LOC286359	0 0	0 1.961520177	
FLJ37201	FLJ37201	4.166712755	10.5640343	0
19.61520177				
ZBTB11-AS1	ZBTB11-AS1	378.1291825	427.843389	
505.1222417	560.0140106			
TUBGCP4 TUBGCP4	3363.578871	2821.477494	2593.629877	
3341.449622				
RPPH1 RPPH1	23.95859834	69.54655912	25.64638313	
14.71140133				
SNORD12 SNORD12	6.250069132	2.641008574	2.230120273	
13.73064124				
MSX2P1 MSX2P1	47.91719668	84.51227438	36.7969845	
80.42232727				
SLC7A5P2	SLC7A5P2	609.3817404	707.7902979	
982.36798	925.8375237			
RPL23AP32	RPL23AP32	1.041678189	0 0 0	

SIRPG	SIRPG	8448.01011	7090.227686	4111.226722
5606.024667				
TEX40	TEX40	2.083356377	9.683698106	0 9.807600887
CABP4	CABP4	4.166712755	22.00840479	7.805420954
2.942280266				
ZNRF2P2	ZNRF2P2	1.041678189	7.923025723	3.345180409
7.846080709				
IL17RD	IL17RD	0 0	0 4.903800443	
HYDIN	HYDIN	0 0	5.575300681	0
IN080	IN080	970.8440719	1962.269371	1586.730574
1227.911631				
NUP54	NUP54	4550.050328	4310.125993	3925.01168
4055.442967				
TBK1	TBK1	7170.912651	5620.946582	4772.457383
4821.416596				
IMMP2L	IMMP2L	171.8769011	182.2295916	443.7939342
360.9197126				
SIDT1	SIDT1	1296.889345	1296.73521	1905.637773
1325.00688				
MAF	MAF	518.755738	802.8666066	361.2794842
511.9567663				
TBL2	TBL2	3696.915892	2534.487895	2583.594336
3131.566963				
TMEM181	TMEM181	1175.012997	1473.682784	962.2968976
1370.121844				
CARD10	CARD10	0 0	33.45180409	1.961520177
CENPQ	CENPQ	1583.350847	1025.591663	876.4372671
727.7239858				
CEP55	CEP55	9926.15146	8424.817352	3344.065349
5100.933221				
SHQ1	SHQ1	3414.621103	2782.742701	3474.527385
3358.122544				
TSR1	TSR1	13206.39608	8761.986113	13398.5626
13233.39588				
PTCHD1	PTCHD1	0 0	0 1.961520177	
PIH1D3	PIH1D3	0 0	0 4.903800443	
C1orf122	C1orf122		2652.112668	2073.191731
2010.453426	2165.518276			
RNF138P1	RNF138P1		26.04195472	15.84605145
72.47890886	11.76912106			
AK7	AK7	7.291747321	18.48706002	4.460240545
31.38432284				
LYPD5	LYPD5	9.375103698	14.08537906	52.4078264
64.73016585				
MTFR1	MTFR1	305.2117093	488.5865862	316.6770787
244.2092621				
ZNF577	ZNF577	89.58432423	103.8796706	322.2523794
269.7090244				
VPS72	VPS72	4092.753603	3245.799538	2981.670804
3304.180739				

SLC6A11	SLC6A11	0	0	1.115060136	0
HELZ2	HELZ2	350.0038714		403.1939757	854.1360644
263.8244639					
C22orf34	C22orf34			293.7532492	286.1092622
312.2168382	269.7090244				
ELFN2	ELFN2	1.041678189		3.521344766	0 0.980760089
LOC100506272	LOC100506272		0 0	0 0	2.942280266
LOC646214	LOC646214			1.041678189	15.84605145
2.230120273	20.59596186				
THAP7-AS1	THAP7-AS1			186.4603958	161.101523
301.0662368	267.7475042				
LINC00324	LINC00324			400.0044245	393.5102776
298.8361165	395.2463157				
LINC00277	LINC00277		0 0	0 0	0.980760089
IQCB1	IQCB1	2376.067948		1949.064328	2719.631672
2485.246065					
GRK6	GRK6	13962.65444		12137.19507	7909.121547
8954.33961					
AEBP2	AEBP2	1422.932406		1533.545645	1688.201046
1107.27814					
MAOB	MAOB	1.041678189		3.521344766	0 7.846080709
RNASE6	RNASE6	31.25034566		154.9391697	27.87650341
28.44204257					
GFRA2	GFRA2	2.083356377		8.803361914	23.41626286
2.942280266					
OR8S1	OR8S1	0 0		0 1.961520177	
OR7D4	OR7D4	0 0		0 2.942280266	
C2orf78	C2orf78	1.041678189		0 0 0	
AHDC1	AHDC1	41.66712755		139.9734544	52.4078264
50.01876452					
SNAI3	SNAI3	229.1692015		402.3136395	175.0644414
280.4973854					
FGF8	FGF8	1.041678189		1.760672383	0 0
THAP8	THAP8	344.7954805		213.0413583	420.3776714
263.8244639					
GGN	GGN	0 5.282017149		12.2656615	5.884560532
HLA-DPA1	HLA-DPA1			241.6693398	129.4094201
120.4264947	62.76864567				
H3F3AP4	H3F3AP4	16808.51925		22024.25084	12292.42294
12717.51607					
AFG3L1P	AFG3L1P	1107.303915		1055.523094	1267.823375
1318.141559					
DUSP5P1	DUSP5P1	0 5.282017149		0 0	0.980760089
ERCC4	ERCC4	538.5476236		677.8588674	545.2644066
657.1092594					
MAN2C1	MAN2C1	1522.933512		1533.545645	1121.750497
1891.886211					
NPR1	NPR1	0 0		0 23.53824213	
CPA2	CPA2	1.041678189		0.880336191	3.345180409
3.923040355					

LPL	LPL	4.166712755	18.48706002	0	8.826840798
GALT	GALT	2562.528344	1695.527505	1850.999826	
2436.20806					
RRP12	RRP12	5229.224507	2960.570612	4240.573698	
4961.665289					
FKBP8	FKBP8	3070.8673	7061.176592	3152.275005	
3693.542494					
PDE4A	PDE4A	992.7193138	1612.775903	586.5216317	
791.4733916					
SPECC1L-ADORA2A	SPECC1L-ADORA2A	3840.667482	4618.24366		
3652.937006	5078.375739				
LINC01138	LINC01138	33.33370204	37.85445623		
118.1963744	110.82589				
SOD2	SOD2	2689.613083	3084.698015	4297.441765	
3238.469813					
RGAG4	RGAG4	0	7.923025723	18.95602232	26.48052239
ORM2	ORM2	5.208390943	5.282017149	0	0.980760089
TGIF2-C20orf24	TGIF2-C20orf24	15408.50377	9593.903814		
10596.41647	8371.768117				
SV0PL	SV0PL	3.125034566	8.803361914	0	0
SNORD97	SNORD97	5.208390943	0.880336191	10.03554123	
4.903800443					
PTP4A2	PTP4A2	32835.77986	36553.31934	22206.42261	
29325.70741					
CCDC155	CCDC155	1.041678189	2.641008574	1.115060136	
7.846080709					
TCEAL2	TCEAL2	0	0	68.01866831	4.903800443
TUBA3D	TUBA3D	32.29202385	18.48706002	25.64638313	
21.57672195					
DHRS13	DHRS13	1471.891281	1001.822586	1409.436012	
1480.947734					
SLFN13	SLFN13	627.0902696	1655.03204	676.8415027	
966.0486873					
SFXN5	SFXN5	577.0897165	594.2269292	374.6602058	
330.5161499					
ZNF579	ZNF579	6.250069132	36.97412004	17.84096218	
9.807600887					
LOC100289561	LOC100289561	340.6287677	347.7327956		
370.1999652	411.9192372				
MIR6841	MIR6841	0	0	0.980760089	
UBE4A	UBE4A	7486.541142	8400.167939	7977.140215	
7278.220618					
TNFSF10	TNFSF10	8059.464146	6153.549978	9926.265333	
3976.001399					
MIR4493	MIR4493	0	0.880336191	0	0
MIR4491	MIR4491	0	1.760672383	0	0
SEPHS1	SEPHS1	7032.369452	5951.072654	3899.365297	
4567.399733					
RFX1	RFX1	28.12531109	117.9650497	31.22168382	
50.99952461					

ZMYM6	ZMYM6	1622.934618	1226.308315	1990.382343
1645.715429				
SLC16A2	SLC16A2	4.166712755	28.17075813	26.76144327
68.65320621				
IGFBP6	IGFBP6	22.91692015	7.923025723	20.07108245
30.40356275				
IFNW1	IFNW1	4.166712755	6.16235334	0 4.903800443
TMEM159	TMEM159	595.8399239	433.1254062	539.689106
584.5330128				
CHMP1B	CHMP1B	2489.610871	2669.179332	3503.518948
3186.489528				
SPATC1L	SPATC1L	119.7929917	108.2813515	147.187938
126.5180514				
ARL8A	ARL8A	417.7129537	910.2676219	452.7144153
407.0154368				
FAM174A	FAM174A	492.7137833	369.7412004	410.3421301
454.0919211				
ARID2	ARID2	2220.857898	3788.086632	2838.943107
2317.53609				
TSPAN32	TSPAN32	251.0444435	146.1358078	149.4180583
96.11448869				
PHLDA3	PHLDA3	2067.731205	633.8420578	1342.532404
421.7268381				
PEF1	PEF1	7401.123531	4874.421492	6478.499392
6374.940576				
TMEM41B	TMEM41B	1635.434756	1960.508698	2311.519662
1718.291675				
SELL	SELL	45889.04925	92334.94178	47853.92081
63616.02239				
NPFF	NPFF	26.04195472	21.12806859	27.87650341
12.74988115				
RDH16	RDH16	15.62517283	10.5640343	20.07108245
13.73064124				
CENPK	CENPK	3235.452454	4325.091709	1590.075754
3412.064348				
LYRM2	LYRM2	2333.359143	1887.440794	2586.939516
2033.115664				
MIR937	MIR937	13.54181645	47.53815434	22.30120273
26.48052239				
C11orf54	C11orf54		1558.35057	1247.436383
1488.605282		1266.161274		
SCML4	SCML4	81.25089872	73.06790389	1290.124578
897.3954811				
MIR324	MIR324	13.54181645	25.52974955	20.07108245
6.865320621				
MIR345	MIR345	0 2.641008574	0	0
MIR331	MIR331	1.041678189	0 0	0
SH3D21	SH3D21	33.33370204	52.82017149	88.08975076
96.11448869				
UBXN2B	UBXN2B	1402.098842	2214.045521	1587.845634

1803.617803					
OR56A5	OR56A5	0	0	1.115060136	0
SLIT2	SLIT2	1.041678189		0	0
EIF4A1	EIF4A1	33190.99213		25264.76836	29108.64486
29539.51311					
PDP1	PDP1	1959.396673		1979.876095	2433.061217
1452.505691					
GAD1	GAD1	14.58349464		63.38420578	6.690360818
8.826840798					
ZNF592	ZNF592	2027.105755		3366.405596	2408.529894
1825.194525					
RNASEL	RNASEL	1016.677912		874.1738381	1086.068573
1050.394055					
CRYGA	CRYGA	0	0	1.115060136	0
MDN1	MDN1	1473.974637		1861.030709	2349.431707
1856.578848					
BOLA1	BOLA1	725.0080193		1011.506284	724.7890886
1028.817333					
CRYL1	CRYL1	787.5087107		649.6881093	709.1782467
835.6075955					
GAL	GAL	8.33342551		13.20504287	4.460240545
19.61520177					
HDGFRP3	HDGFRP3	1608.351123		1832.859951	747.0902913
679.6667414					
ABHD13	ABHD13	1643.768182		1508.896232	2594.744937
1813.425404					
RMDN3	RMDN3	3579.206256		2210.524177	3325.109326
2679.436562					
PHF6	PHF6	4997.971949		5681.68978	3729.876156
5091.12562					
PRDX2	PRDX2	18155.40915		16662.1231	9532.649105
13728.67972					
LCMT2	LCMT2	1009.386165		815.1913133	1126.210738
1068.047737					
ADORA2A-AS1	ADORA2A-AS1			417.7129537	513.2359996
410.3421301		608.071255			
SLC36A3	SLC36A3	1.041678189		0	0
CACNG3	CACNG3	0	0	5.575300681	0
FAM71B	FAM71B	8.33342551		0	30.10662368
DZIP1	DZIP1	1.041678189		0.880336191	0
NME1-NME2	NME1-NME2			27287.80183	22514.5981
21900.89614		23007.65092			
SLC9A1	SLC9A1	1070.845178		1145.317385	1070.457731
893.4724408					
ZPLD1	ZPLD1	0	0	0	5.884560532
CDC73	CDC73	6801.116894		5201.906555	5498.361532
5044.049136					
NKAP	NKAP	1393.765416		1188.453858	1426.161914
1354.429682					
PGLS	PGLS	1229.180263		1136.514023	1246.637232

1378.948685					
MIR1182	MIR1182	265.6279381	271.143547	282.1102145	
460.9572417					
MIR1237	MIR1237	4.166712755	4.401680957	0	4.903800443
MIR1181	MIR1181	564.5895783	616.235334	410.3421301	
545.3026093					
LOC101929076	LOC101929076		0	0	5.575300681
LINC00632	LINC00632		11.45846008	72.1875677	0
11.15060136	3.923040355				
TRAF4	TRAF4	447.9216211	920.8316562	626.6637966	
596.3021339					
LINC00939	LINC00939		0	7.923025723	0
C6orf211	C6orf211		4271.922252	3075.894653	0
2964.944902	2585.283594				
MIR3188	MIR3188	0	2.641008574	0	0
MIR3184	MIR3184	4.166712755	3.521344766	10.03554123	
6.865320621					
ARPC1A	ARPC1A	4715.67716	3733.505788	3764.44302	
3521.909478					
MASP2	MASP2	8.33342551	23.76907717	18.95602232	
19.61520177					
SNORD50B	SNORD50B		69.79243864	25.52974955	
97.01023186	49.03800443				
HNRNPA1P10	HNRNPA1P10		36662.90553	30106.61741	
39672.72459	37276.72945				
SNORD19	SNORD19	21.87524196	20.2477324	44.60240545	
46.09572417					
SNORD62B	SNORD62B		0	3.521344766	5.575300681
4.903800443					
PP2D1	PP2D1	963.5523245	505.3129739	702.4878858	
686.5320621					
SNORD23	SNORD23	29.16698928	24.64941336	17.84096218	
21.57672195					
SNORD9	SNORD9	1.041678189	1.760672383	2.230120273	
0.980760089					
RAB19	RAB19	412.5045627	100.3583258	551.9547675	
278.5358652					
TLL10	TLL10	13.54181645	4.401680957	0	1.961520177
ITGB2	ITGB2	19696.05119	27297.46462	9466.860557	
19910.41056					
CD276	CD276	169.7935448	315.1603565	55.75300681	
329.5353898					
PRPSAP1	PRPSAP1	3791.708607	3025.71549	2428.600977	
2846.165777					
DAK	DAK	1768.769564	1969.31206	1591.190814	
2877.5501					
TF	TF	1.041678189	0	0	0
ZDHHC14	ZDHHC14	742.7165485	917.3103115	286.570455	
461.9380018					
EMB	EMB	8487.593882	6013.576524	8259.250429	

6677.014684					
C1orf87	C1orf87	0	0	1.115060136	0
MY018A	MY018A	1819.811796		3322.388786	1681.510685
1966.423978					
TLDC1	TLDC1	944.8021171		845.1227438	745.9752312
1066.086216					
LRRC37A2	LRRC37A2			39.58377117	80.11059342
43.48734531		71.59548647			
CTBP1	CTBP1	4841.720221		7847.31681	4975.398328
6286.672168					
AUTS2	AUTS2	75.00082959		347.7327956	84.74457036
300.1125871					
CSTF3-AS1	CSTF3-AS1			45.8338403	55.46118006
43.48734531		30.40356275			
LINC00421	LINC00421			0	0
MIR181A1	MIR181A1			0	0
MKRN20S	MKRN20S	1.041678189		0	13.38072164
KNDC1	KNDC1	4.166712755		3.521344766	8.92048109
6.865320621					
CDYL2	CDYL2	853.1344365		1203.419574	444.9089944
787.5503512					
RPL15	RPL15	37897.29418		34996.00462	41490.27261
41185.0584					
BAI1	BAI1	2.083356377		7.042689532	5.575300681
TP53TG5	TP53TG5	13.54181645		26.41008574	36.7969845
17.6536816					
RPS6KA4	RPS6KA4	529.1725199		1380.367148	605.477654
653.1862191					
ZNF830	ZNF830	1332.306403		1369.803114	1743.954053
1468.197853					
ADCK2	ADCK2	1043.761545		998.3012411	1363.718547
1325.00688					
INHBC	INHBC	0	9.683698106	0	2.942280266
HEATR5A	HEATR5A	1412.515624		1519.460266	1388.24987
1416.217568					
FAM115D	FAM115D	592.7148894		359.1771661	607.7077743
553.14869					
CEP78	CEP78	3152.118199		3374.328622	1832.043804
2540.16863					
C11orf96	C11orf96			0	2.641008574
		3.923040355			2.230120273
PTPRQ	PTPRQ	0	0	0	0.980760089
PRICKLE3	PRICKLE3			279.1697546	500.9112929
341.2084017		418.7845579			
JADE3	JADE3	83.3342551		118.8453858	70.24878858
94.15296851					
ZNF699	ZNF699	172.9185793		171.6655573	719.2137879
289.3242262					
TMEM232	TMEM232	7.291747321		14.96571525	6.690360818
17.6536816					

FBX047	FBX047	0	0	0	0.980760089	
SGK223	SGK223	25.00027653		149.6571525		165.0289002
186.3444168						
WIPF3	WIPF3	0	0	0	0.980760089	
PIWIL2	PIWIL2	12.50013826		10.5640343		46.83252572
22.55748204						
LEUTX	LEUTX	5.208390943		36.97412004	0	0.980760089
SLC7A6	SLC7A6	3510.455496		3673.642927		5138.197108
4367.324675						
UBA52	UBA52	7237.580055		9541.083643		8734.266047
7838.234629						
HLF	HLF	634.3820169		176.0672383		334.5180409
376.611874						
JRKL	JRKL	346.8788368		453.3731386		669.0360818
714.9741046						
EMD	EMD	490.6304269		1964.910379		960.0667773
874.8379991						
PARK2	PARK2	0	7.042689532	51.29276627		11.76912106
PSMA3	PSMA3	20696.06225		18070.661		17076.03093
15643.12341						
ATF5	ATF5	715.6329156		676.9785312		730.3643893
727.7239858						
MIP	MIP	9.375103698		7.923025723		14.49578177
10.78836098						
MDH1	MDH1	23215.88179		19745.94077		15758.02985
17273.14668						
MIR3614	MIR3614	51.04223125		153.1784973		91.43493117
53.94180488						
NR1D1	NR1D1	176.0436139		220.0840479		287.6855152
209.882659						
LRRN4CL	LRRN4CL	0	0.880336191	0	0	
TMEM88	TMEM88	2.083356377		7.042689532		1.115060136
3.923040355						
LRRC10	LRRC10	0	0	0	4.903800443	
GALNT7	GALNT7	1687.518666		1679.681453		1515.366725
1701.618754						
CDON	CDON	16.66685102		36.09378385		114.851194
31.38432284						
RFX7	RFX7	716.6745938		1140.035368		1167.467963
732.6277862						
FAM46B	FAM46B	0	0	0	0.980760089	
NUDT10	NUDT10	3.125034566		44.01680957		73.59396899
45.11496408						
THOC5	THOC5	3743.79141		3693.010323		3124.398502
3195.316369						
CCDC40	CCDC40	6.250069132		0.880336191		24.531323
11.76912106						
WDR17	WDR17	14.58349464		37.85445623		23.41626286
34.3266031						
ZEB2-AS1	ZEB2-AS1			8.33342551		24.64941336

12.2656615	10.78836098			
RAET1E-AS1	RAET1E-AS1	39.58377117	42.25613719	
61.32830749	73.55700665			
TPTE2P3 TPTE2P3	0 3.521344766	0	0	
SBDSP1 SBDSP1	2092.731481	1140.915704	2876.855152	
1664.34987				
AURKAPS1	AURKAPS1	30.20866747	22.00840479	
10.03554123	16.67292151			
FIS1 FIS1	2865.656697	2483.428396	2510.000367	
2734.359127				
LOC101928823	LOC101928823	2.083356377	0 0	
1.961520177				
SNORA14A	SNORA14A	0 1.760672383	7.805420954	
0				
GUSBP5 GUSBP5	97.91774974	69.54655912	51.29276627	
97.09524878				
SNORA5C SNORA5C	78.12586415	51.93983529	98.12529199	
80.42232727				
SNORA5B SNORA5B	3.125034566	2.641008574	10.03554123	
8.826840798				
LGALS8-AS1	LGALS8-AS1	305.2117093	216.5627031	
230.8174482	298.151067			
FAM200B FAM200B	464.5884722	507.9539825	758.2408927	
509.014486				
FAM178A FAM178A	3315.661675	3840.026467	3758.867719	
4067.212088				
ASB13 ASB13	528.1308417	650.5684455	951.1462962	
1042.547974				
LOC101927621	LOC101927621	37.50041479	58.10218863	
85.85963049	46.09572417			
IP08 IP08	1882.312487	2845.246571	2070.666673	
2210.63324				
SPIRE1 SPIRE1	525.0058071	408.4759928	274.3047935	
439.3805197				
KIAA0922	KIAA0922	4794.844703	5057.53142	
6903.337304	8585.573816			
KIR3DL1 KIR3DL1	0 2.641008574	0	1.961520177	
OR5B12 OR5B12	0 0	14.49578177	0	
SLC16A11	SLC16A11	1.041678189	10.5640343	
7.805420954	23.53824213			
COX6B2 COX6B2	0 7.923025723	0	4.903800443	
MESP1 MESP1	51.04223125	69.54655912	41.25722504	
38.24964346				
REX02 REX02	5809.439258	3868.197225	3487.908106	
3559.178362				
APPBP2 APPBP2	2013.563939	2401.55713	2075.126914	
2065.480747				
SLC9A3 SLC9A3	11.45846008	0.880336191	3.345180409	0
SLC1A1 SLC1A1	103.1261407	68.66622293	39.02710477	
107.8836098				

ZNF20	ZNF20	287.5031801	272.0238832	350.1288828	
297.1703069					
DX0	DX0	4.166712755	64.26454197	1.115060136	
62.76864567					
MIEF1	MIEF1	5986.52455	4778.464847	6176.318095	
6172.903998					
PDE8A	PDE8A	540.6309799	803.7469428	1207.610128	
1431.909729					
RMI1	RMI1	3310.453284	2867.254976	2041.67511	
2140.018513					
BAIAP2L2	BAIAP2L2	0	2.641008574	17.84096218	
3.923040355					
CHODL	CHODL	5.208390943	44.89714576	4.460240545	
30.40356275					
POF1B	POF1B	3.125034566	0	2.230120273	9.807600887
CDC42BPG	CDC42BPG	0	9.683698106	21.18614259	
9.807600887					
C12orf76	C12orf76	178.1269703	242.0924526		
341.2084017	311.8817082				
FLJ44635	FLJ44635	0	3.521344766	0	0
SLC2A7	SLC2A7	1.041678189	4.401680957	4.460240545	
1.961520177					
PLCXD2	PLCXD2	231.2525579	189.2722812	149.4180583	
155.9408541					
AK1	AK1	122.9180263	199.8363155	159.4535995	
249.1130625					
TWIST1	TWIST1	7.291747321	7.923025723	10.03554123	
28.44204257					
IL1A	IL1A	142.7099119	25.52974955	54.63794668	
179.4790962					
MRRF	MRRF	2343.775925	1723.698263	2271.377498	
2226.325401					
COL8A2	COL8A2	0	1.760672383	4.460240545	1.961520177
PABPN1L	PABPN1L	4.166712755	0	0	0
FGR	FGR	15.62517283	3.521344766	42.37228518	
10.78836098					
FBXL18	FBXL18	364.587366	564.2954987	324.4824997	
401.1308763					
PHC3	PHC3	2530.23632	2463.180664	3310.613545	
2376.381695					
CPEB4	CPEB4	615.6318095	686.6622293	538.5740458	
490.3800443					
ARMC2	ARMC2	123.9597045	196.3149707	100.3554123	
111.8066501					
DOK2	DOK2	12338.67815	6851.656578	4158.059248	
5104.856262					
PLK3	PLK3	4936.512936	1979.876095	5354.518774	
4123.115413					
BTAF1	BTAF1	3535.455772	4765.259804	3341.835228	
4660.571941					

METTL21B	METTL21B	141.6682337	178.7082469
111.5060136	243.228502		
LOC100289230	LOC100289230	25.00027653	49.29882672
91.43493117	68.65320621		
MAPKAP1	MAPKAP1	5383.392879	5048.728058
6102.289272			4800.333887
MIR6853	MIR6853	5.208390943	2.641008574
12.74988115			24.531323
MIR6852	MIR6852	1609.392802	1378.606476
1125.912582			995.7487017
MIR6840	MIR6840	20.83356377	27.29042193
28.44204257			25.64638313
MVB12B	MVB12B	127.084739	529.0820511
459.9764816			454.9445356
HIST3H2A	HIST3H2A	145.8349464	70.42689532
117.0813143	64.73016585		
FAM69B	FAM69B	56.25062219	41.375801
46.09572417			90.31987104
DDTL	DDTL	1582.309169	1792.364486
1329.91068			1391.59505
TSSK1B	TSSK1B	0	0
EIF2A	EIF2A	4703.177022	13.38072164
4065.250568			3214.987771
USP24	USP24	1115.63734	4785.838105
2396.977657			
FBXL2	FBXL2	4.166712755	3730.864779
19.61520177			2623.736501
GCAT	GCAT	1390.640382	8.803361914
953.2988062			15.61084191
AMMECR1	AMMECR1	1816.686761	1301.136891
1187.700467			686.8770439
REM2	REM2	8.33342551	1342.871018
9.807600887			1349.222765
PRMT9	PRMT9	1532.308616	15.84605145
1245.565313			8.92048109
ABCG4	ABCG4	6.250069132	951.6434229
TTLL3	TTLL3	353.128906	1260.017954
505.0914457			
ANAPC1P1	ANAPC1P1	13.54181645	0
225.2421475	17.6536816		14.49578177
GNGT2	GNGT2	948.9688299	3.923040355
753.2237481			
HSBP1L1	HSBP1L1	168.7518666	497.3899482
258.9206634			518.5029634
FLJ32255	FLJ32255	839.5926201	13.54181645
3745.486998	1168.085266		30.8117667
ZNF30-AS1	ZNF30-AS1	0	787.0205551
0.980760089			556.415008
LOC101927190	LOC101927190	4.166712755	316.9210289
14.49578177	5.884560532		345.6686422

UBAP2	UBAP2	2996.908149	3365.52526	2285.873279	
2721.609246					
MAT2B	MAT2B	20215.84861	16233.39937	27273.25587	
21560.04903					
SIGLEC9	SIGLEC9	9.375103698	7.042689532	20.07108245	
9.807600887					
MANF	MANF	3229.202385	3636.668807	2825.562385	
2519.572668					
MANBA	MANBA	513.547347	377.6642261	770.5065542	
487.4377641					
NAAA	NAAA	2172.940702	2055.585007	2207.81907	
2033.115664					
SPTLC3	SPTLC3	1.041678189	2.641008574	25.64638313	
38.24964346					
RAB7A	RAB7A	17260.60759	14072.17402	20032.05535	
16754.32459					
FANCG	FANCG	6500.071897	5167.573444	3192.41717	
4191.768619					
ESPL1	ESPL1	3027.116816	5905.295172	2126.41968	
3303.199979					
MICU3	MICU3	30.20866747	36.09378385	61.32830749	
83.36460754					
MIOS	MIOS	2282.316911	2817.075813	2405.184714	
3308.103779					
PYGB	PYGB	4015.669417	3324.149459	3600.52918	
3483.659835					
EX01	EX01	6010.483149	4981.822507	4159.174308	
4811.608995					
FXD2	FXD2	18.7502074	27.29042193	49.062646	
110.82589					
ATP1B1	ATP1B1	588.5481766	570.4578521	372.4300855	
409.9577171					
ATF4	ATF4	9746.982812	8432.740378	13572.51198	
9261.317517					
DDT	DDT	1566.683996	1823.176252	1360.373366	
1369.141084					
AKR1C2	AKR1C2	5.208390943	3.521344766	0	0.980760089
DBP	DBP	301.0449965	360.0575023	758.2408927	
519.802847					
LINC00950	LINC00950		0	14.49578177	0
AOX1	AOX1	4.166712755	0	29.42280266	
USP13	USP13	769.8001814	1111.86461	662.3457209	
716.9356248					
JMJD7	JMJD7	557.297831	611.833653	617.7433155	
778.7235104					
NDUFS7	NDUFS7	5846.939673	6347.22394	3736.566517	
4481.092845					
DCAF10	DCAF10	2129.190218	1936.739621	2717.401552	
2521.534188					
NPM1	NPM1	45673.42186	33163.14467	48250.88222	

41717.61113				
ZNF257 ZNF257	358.3372969	237.6907717	526.3083843	
371.7080736				
ACTL6A ACTL6A	11482.41867	9909.064171	8148.859476	
9433.931293				
ZBTB7A ZBTB7A	1396.890451	1848.706002	1820.893203	
1530.966498				
UACA UACA	38.54209298	74.82857627	78.05420954	
146.1332532				
STMN3 STMN3	128.1264172	306.3569946	343.438522	
476.6494031				
CYP3A7 CYP3A7	8.33342551	23.76907717	5.575300681	
14.71140133				
CYP2A7 CYP2A7	0 0	0 1.961520177		
CYP1A2 CYP1A2	0 0	0 0.980760089		
ATP2A2 ATP2A2	1709.393908	5464.24674	1559.969131	
1503.505216				
ATP2B4 ATP2B4	2790.655868	8783.994518	2072.896793	
3319.8729				
PIK3CG PIK3CG	3869.834471	4781.105856	2711.826251	
3117.836322				
KIAA2013	KIAA2013	6422.987712	5302.264881	
5011.080252	4619.380018			
CD3EAP CD3EAP	1984.396949	1061.685447	1558.854071	
1597.658184				
DGAT1 DGAT1	1567.725674	1596.049515	1271.168555	
1370.121844				
RGS17 RGS17	0 3.521344766	2.230120273	4.903800443	
PRR34-AS1	PRR34-AS1	112.5012444	169.0245488	
176.1795015	165.748455			
COP54 COP54	4867.762176	3888.444958	4048.783355	
4536.99617				
TRMT11 TRMT11	1160.429502	815.1913133	1791.901639	
1481.928494				
MET MET	33.33370204	44.89714576	14.49578177	
21.57672195				
IL3 IL3	211.4606723	286.9895984	59.09818722	
174.5752958				
CYP7A1 CYP7A1	0 0.880336191	0	0	
CYP2J2 CYP2J2	78.12586415	87.15328295	140.4975772	
85.32612771				
APBA3 APBA3	2809.406075	2808.272451	2323.785324	
2623.533237				
C16orf62	C16orf62	4442.757475	3865.556217	
2526.726269	3588.601164			
ZNRF1 ZNRF1	1944.813178	4900.831578	1093.873994	
3333.603541				
ZNF747 ZNF747	600.0066367	673.4571864	831.8348617	
696.339663				
CYP24A1 CYP24A1	0 7.923025723	0	0	

DAD1	DAD1	9852.192309	10016.46519	10790.43694
8908.243885				
TMEM161B-AS1	TMEM161B-AS1	256.2528344	240.3317803	
334.5180409	228.5171007			
LINC00339	LINC00339	179.1686485	169.0245488	
502.8921215	251.0745827			
RASGRF2-AS1	RASGRF2-AS1	51.04223125	74.82857627	
86.97469063	111.8066501			
XKR9	XKR9	19.79188559	76.58924866	39.02710477
178.4983361				
UNC119B	UNC119B	513.547347	1209.581927	708.0631865
594.3406137				
SV2B	SV2B	0	0.880336191	0
POPDC2	POPDC2	66.66740408	61.6235334	8.826840798
40.21116364				54.63794668
GAL3ST2	GAL3ST2	1.041678189	0.880336191	0
NSMCE2	NSMCE2	2752.113775	2693.828746	0.980760089
2047.827065				1881.10645
ISLR	ISLR	3.125034566	0	0
MICU2	MICU2	3157.32659	2708.794461	3019.582849
3137.451524				
WLS	WLS	4.166712755	0.880336191	0
PRSS33	PRSS33	0	1.760672383	0
GDF7	GDF7	0	0	3.923040355
COX10-AS1	COX10-AS1		637.5070515	941.9597248
291.0306956	628.6672168			
TBC1D14	TBC1D14	5508.394262	9044.574031	5011.080252
5477.545095				
SLC6A6	SLC6A6	2040.647572	2497.513775	1874.416089
1521.158898				
C9orf3	C9orf3	361.4623315	279.0665727	357.9343037
311.8817082				
ALS2CR11	ALS2CR11		0	0.880336191
				3.345180409
				3.923040355
NACA	NACA	24251.30991	20695.82352	21089.13236
21411.95426				
IDE	IDE	5899.023583	5397.34119	4437.939342
4144.692135				
CDC25C	CDC25C	1202.09663	1412.939587	694.6824649
1075.893817				
CCR8	CCR8	3186.493579	830.1570285	1121.750497
412.8999973				
CBL	CBL	1550.017145	3525.746447	1619.067318
1839.905926				
MFNG	MFNG	17238.73234	10514.73547	10413.54661
12271.27023				
SERPINE1	SERPINE1		92.70935879	44.01680957
53.52288654	31.38432284			
NOC3L	NOC3L	3269.827834	2178.832074	3258.205718
2902.069102				

FAM19A4	FAM19A4	1.041678189	0	1.115060136	0
SNRPB	SNRPB	27376.34448	25527.10854	16509.58038	
21556.12599					
IFIT1	IFIT1	2044.814284	118.8453858	14877.13234	
1025.875053					
ATP6AP2	ATP6AP2	11420.95966	9070.984117	11768.34468	
10529.44031					
TMOD1	TMOD1	1045.844901	973.6518277	1253.327593	
1390.717806					
FBXL6	FBXL6	1706.268873	1781.800451	1256.672774	
2102.74963					
LOC100506713	LOC100506713		87.50096785	128.529084	
188.445163	139.2679326				
TRG-AS1	TRG-AS1	269.7946509	487.7062501	263.1541922	
395.2463157					
POLD4	POLD4	2212.524473	2174.430393	1990.382343	
2222.402361					
FDXACB1	FDXACB1	1801.061588	1193.735876	1965.85102	
1824.213765					
TNRC6C-AS1	TNRC6C-AS1		135.4181645	380.3052347	
223.0120273	322.6700692				
RRM2	RRM2	77862.31957	59132.18198	33781.86189	
35485.86153					
D2HGDH	D2HGDH	552.08944	800.225598	468.3252572	
1011.163651					
GPR4	GPR4	0	0	3.345180409	0.980760089
GLUD2	GLUD2	28.12531109	34.33311147	11.15060136	
32.36508293					
ZFPM2	ZFPM2	0	0	13.73064124	
TXNRD3	TXNRD3	60.41733494	100.3583258	171.719261	
272.6513047					
SNAP47	SNAP47	4011.502705	2948.245905	2958.254542	
2958.953188					
FCRL3	FCRL3	426.0463792	81.8712658	870.8619664	
389.3617552					
C20orf144	C20orf144		4.166712755	4.401680957	
1.115060136	2.942280266				
OVCA2	OVCA2	4819.844979	3651.634522	3302.808124	
3305.161499					
ZNF558	ZNF558	600.0066367	586.3039035	1090.528813	
1275.968875					
CAPN12	CAPN12	317.7118476	506.1933101	156.1084191	
222.6325401					
ZNF420	ZNF420	758.3417214	580.1415502	1333.611923	
1106.29738					
ZNF582	ZNF582	163.5434756	127.6487478	328.9427402	
207.9211388					
TRIM67	TRIM67	0	0	4.460240545	0
TERF2	TERF2	2177.107414	2116.328204	2481.008803	
2406.785258					

TD02	TD02	3.125034566	0	17.84096218	0	
MIR7848	MIR7848	14.58349464	29.93143051	8.92048109		
27.46128248						
SPINK2	SPINK2	11.45846008	5.282017149	189.5602232		
26.48052239						
KRTAP12-4	KRTAP12-4		0	2.641008574	0	0
DNAJC14	DNAJC14	4911.51266	3812.736045	4694.403174		
4236.883583						
ACBD6	ACBD6	2598.987081	1673.5191	1999.302824		
2075.288348						
SNRNP48	SNRNP48	550.0060836	855.6867781	865.2866657		
772.8389499						
FAM81B	FAM81B	2.083356377	0	2.230120273	0.980760089	
ING5	ING5	1552.100501	1456.956397	1724.998031		
1646.696189						
ACOT4	ACOT4	188.5437522	132.0504287	457.1746559		
348.1698315						
FRMD6	FRMD6	214.5857069	178.7082469	491.7415201		
204.9788585						
PRADC1	PRADC1	1438.557579	1037.036034	1165.237842		
913.0876425						
NOA1	NOA1	1646.893216	1574.04111	1913.443194		
1725.156996						
POLDIP3	POLDIP3	9131.351002	8257.553476	9231.582868		
8288.403509						
FAM228B	FAM228B	116.6679571	83.63193819	136.0373366		
125.5372913						
LURAP1	LURAP1	18.7502074	0.880336191	22.30120273		
2.942280266						
POU4F1	POU4F1	0	5.282017149	0	0	
POU2AF1	POU2AF1	327.0869513	1471.922112	269.844553		
675.7437011						
CCNE1	CCNE1	5307.350371	6069.037704	2840.058167		
3845.560308						
S100A10	S100A10	10779.2859	11734.88143	6924.523446		
7181.125369						
LGALS7B	LGALS7B	0	0.880336191	15.61084191	2.942280266	
MDC1	MDC1	1.041678189	51.93983529	0	20.59596186	
SKP1	SKP1	24442.9787	18735.31483	25608.47109		
23996.25709						
SRSF6	SRSF6	4535.466834	4650.816099	4796.988706		
3061.932997						
C1orf200	C1orf200		80.20922053	188.391945		
129.3469758	108.8643698					
PLA2G12B	PLA2G12B		0	0	3.345180409	0
C22orf23	C22orf23		30.20866747	30.8117667		
25.64638313	17.6536816					
HIATL1	HIATL1	11079.28922	7799.778656	9493.622		
7296.85506						
ZHX3	ZHX3	503.1305651	380.3052347	771.6216143		

509.014486					
RIMKLB	RIMKLB	13.54181645	5.282017149	488.3963397	
331.49691					
ZNF583	ZNF583	365.6290442	205.9986688	570.9107898	
305.9971477					
ZDHHC4	ZDHHC4	1506.266661	1504.494551	1541.013108	
1392.679326					
SLC22A20	SLC22A20		0	0	3.345180409
5.884560532					
APLF	APLF	498.9638524	357.4164937	519.6180235	
445.2650803					
PHLDB2	PHLDB2	331.253664	316.9210289	136.0373366	
136.3256523					
YIPF6	YIPF6	2267.733417	1571.400102	1758.449835	
1708.484074					
RPS8	RPS8	12441.80429	15102.16736	13639.41559	
13254.9726					
PELI2	PELI2	58.33397857	340.6901061	369.0849051	
310.9009481					
UBE2Q1	UBE2Q1	770.8418596	2481.667724	1022.510145	
975.8562882					
SERPINF1	SERPINF1		15.62517283	31.69210289	
43.48734531	27.46128248				
KATNB1	KATNB1	3393.787539	3026.595826	2707.366011	
2470.534663					
USP15	USP15	11054.28894	7022.441799	10449.22854	
8685.611345					
TMPRSS11D	TMPRSS11D		0	1.760672383	5.575300681
0					
ARHGEF6	ARHGEF6	16411.63986	15703.43698	7317.024614	
10006.69518					
GALNT6	GALNT6	565.6312565	534.3640682	515.157783	
564.9178111					
RPL35	RPL35	12168.8846	12980.55714	12305.80366	
12107.48329					
CPNE3	CPNE3	4622.967801	4216.810357	5614.327786	
4963.626809					
BCL2L13	BCL2L13	3659.415477	2749.289926	3991.915288	
3222.777651					
SRI	SRI	13909.52885	14753.55423	9040.907585	
11985.86904					
HIST1H2BI	HIST1H2BI		10.41678189	41.375801	0
1.961520177					
HIST1H2BH	HIST1H2BH		176.0436139	188.391945	
158.3385393	208.9018989				
TET1	TET1	137.5015209	238.5711079	76.9391494	
114.7489304					
PLXNA2	PLXNA2	6.250069132	38.73479242	23.41626286	
12.74988115					
SAMM50	SAMM50	6196.943545	4848.891742	3903.825537	

4188.826339				
NUFIP2	NUFIP2	1157.304468	2574.103024	2686.179868
2392.073856				
VAC14	VAC14	3540.664163	2940.322879	3619.485202
3646.46601				
TREML2	TREML2	1290.639276	817.8323218	1008.014363
564.9178111				
EHD3	EHD3	217.7107414	891.7805619	221.8969671
532.5527281				
ESPN	ESPN	4.166712755	3.521344766	5.575300681
2.942280266				
TMEM63B	TMEM63B	160.4184411	295.7929603	311.101778
322.6700692				
PI4K2A	PI4K2A	2361.484454	1713.134229	1932.399216
1546.65866				
MARCKS	MARCKS	7.291747321	29.05109432	23.41626286
3.923040355				
LRPAP1	LRPAP1	5919.857146	4003.768999	4712.244136
4106.442491				
HSD11B2	HSD11B2	11.45846008	14.96571525	32.33674395
28.44204257				
IL2RG	IL2RG	67860.1256	53446.97085	42250.74362
46304.62607				
HPS1	HPS1	5987.566229	5686.971797	3909.400838
5777.657682				
FM04	FM04	146.8766246	133.8111011	196.250584
180.4598563				
XRCC6	XRCC6	59277.73901	44525.64389	46299.52698
47799.30444				
PLRG1	PLRG1	7294.872355	5563.72473	6500.800594
6431.824661				
PLP2	PLP2	3805.250423	4046.905472	5234.09228
6003.232503				
LOC101929586	LOC101929586	0	0	0
ATP6V1B2	ATP6V1B2	14954.33208	10616.72796	0.980760089
9572.79127				
CCDC64B	CCDC64B	1.041678189	5.282017149	1.115060136
8.826840798				
ZNF674	ZNF674	77.08418596	88.03361914	88.08975076
53.94180488				
STXBP5	STXBP5	1729.185793	1170.847135	1193.114346
1382.871725				
DCAF12L2	DCAF12L2	0	0	0
TMC3	TMC3	10.41678189	13.20504287	2.942280266
32.36508293				
EFEMP1	EFEMP1	3.125034566	0	0.980760089
TMEM64	TMEM64	3350.037055	2674.46135	2475.433503
3143.336084				
GPR85	GPR85	1.041678189	0.880336191	0
ZNF207	ZNF207	22676.29249	18861.2029	0
				14688.68718

17625.23955					
MFSD2A	MFSD2A	753.1333304	443.6894405	964.5270179	
651.2246989					
CBFA2T3	CBFA2T3	0	83.63193819	1.115060136	11.76912106
DQX1	DQX1	10.41678189	30.8117667	4.460240545	
4.903800443					
AKT2	AKT2	426.0463792	2075.832739	641.1595784	
710.0703042					
EEF1E1	EEF1E1	6203.193614	4669.303159	5463.794668	
4866.53156					
RFX8	RFX8	6.250069132	40.49546481	2.230120273	
13.73064124					
GATA2	GATA2	4.166712755	8.803361914	1.115060136	
6.865320621					
TMOD2	TMOD2	126.0430608	204.2379964	420.3776714	
292.2665064					
FAM13B	FAM13B	1082.303638	1065.206792	1735.033572	
1124.931822					
ARL2BP	ARL2BP	5766.730453	3693.010323	7021.533678	
4693.917784					
AP3M1	AP3M1	8168.840356	6393.881758	7329.290276	
7319.412542					
HORMAD2	HORMAD2	6.250069132	6.16235334	0	0.980760089
LCA5L	LCA5L	29.16698928	25.52974955	31.22168382	
30.40356275					
CHD4	CHD4	4613.592698	9246.171019	6382.60422	
6732.918009					
UST	UST	213.5440287	66.02521436	539.689106	
312.8624683					
PRPH	PRPH	4.166712755	1.760672383	0	0
MBD3	MBD3	3465.663334	3275.730968	3020.697909	
3208.06625					
LECT1	LECT1	0	0.880336191	2.230120273	2.942280266
UXT-AS1	UXT-AS1	1466.68289	1413.819923	1510.906485	
1588.831344					
THAP11	THAP11	5640.687392	4598.876264	5473.830209	
5322.585001					
MRPL14	MRPL14	5974.024412	4664.901478	4361.000193	
4566.418973					
LINC01461	LINC01461		1.041678189	0.880336191	
10.03554123	1.961520177				
LINC01046	LINC01046		0	0	3.923040355
LINC01050	LINC01050		1.041678189	0	0
PRPF40B	PRPF40B	384.3792516	541.4067577	441.563814	
711.0510643					
ORMDL2	ORMDL2	4046.919763	4037.221774	3659.627367	
3532.697839					
TAPT1-AS1	TAPT1-AS1		6.250069132	36.09378385	
37.91204463	75.51852683				
RNF122	RNF122	2.083356377	38.73479242	3.345180409	

39.23040355					
MLLT4-AS1	MLLT4-AS1		3.125034566	0	0
0.980760089					
CDH2	CDH2	1.041678189	9.683698106	2.230120273	
12.74988115					
CD47	CD47	12454.30442	13036.89866	13738.65594	
12798.91916					
SGPL1	SGPL1	1828.145221	2911.271785	2101.888357	
2618.629437					
WBP4	WBP4	1198.971595	1223.667306	1080.493272	
1177.892866					
CEP250	CEP250	3865.667758	4899.951242	2588.054576	
3211.98929					
DAB2	DAB2	0	0	4.903800443	
ANXA5	ANXA5	24298.18543	20593.70453	9617.393675	
10985.49375					
FAM200A	FAM200A	531.2558762	421.6810357	705.8330663	
652.205459					
FAM72A	FAM72A	1216.680124	930.5153543	555.2999479	
773.81971					
DPH3	DPH3	3178.160154	2937.681871	3402.048476	
2976.606869					
EDC3	EDC3	4457.340969	3950.948827	3706.459893	
4035.827765					
SEMA4D	SEMA4D	7573.000432	12442.67173	11693.63565	
11390.54767					
LINC00999	LINC00999		50.00055306	87.15328295	
110.3909535	114.7489304				
ZNF252P	ZNF252P	129.1680954	271.143547	663.4607811	
572.7638918					
CEP83-AS1	CEP83-AS1		37.50041479	47.53815434	
33.45180409	31.38432284				
C6orf164	C6orf164		14.58349464	8.803361914	
7.805420954	2.942280266				
HNRNPU-AS1	HNRNPU-AS1		3121.909532	2560.017645	
2707.366011	2648.052239				
ZNF252P-AS1	ZNF252P-AS1		11.45846008	23.76907717	
120.4264947	105.9220896				
DYRK4	DYRK4	666.6740408	678.7392036	594.3270526	
715.9548647					
PROC	PROC	4.166712755	3.521344766	1.115060136	
12.74988115					
AKAP12	AKAP12	30.20866747	60.74319721	90.31987104	
62.76864567					
LRBA	LRBA	2310.442223	7271.576941	2464.282901	
3021.721833					
WBSCR27	WBSCR27	5.208390943	57.22185244	8.92048109	
41.19192372					
PROZ	PROZ	8.33342551	3.521344766	0	8.826840798
CCND1	CCND1	6.250069132	12.32470668	28.99156354	

133.3833721					
THEM4	THEM4	2696.904831	1832.859951	2642.692523	
2632.360078					
NEXN	NEXN	12.50013826	46.65781815	396.9614085	
80.42232727					
FAM64A	FAM64A	734.383123	988.617543	470.5553775	
743.4161472					
SLC7A1	SLC7A1	2068.772883	5000.309567	3162.310546	
2571.552952					
LRP4	LRP4	3.125034566	0.880336191	0	11.76912106
RAB3B	RAB3B	3.125034566	12.32470668	47.94758586	
15.69216142					
ADM	ADM	0	2.641008574	12.2656615	37.26888337
RPS17	RPS17	15.62517283	2.641008574	13.38072164	
6.865320621					
PZP	PZP	5.208390943	0	13.38072164	2.942280266
C11orf97	C11orf97	0	0.880336191	0	0
LRRC24	LRRC24	691.6743173	624.1583597	866.4017259	
828.7422749					
RPL6	RPL6	9236.560499	8445.945421	9253.884071	
9430.008253					
CLPB	CLPB	1740.644253	1806.449865	1447.348057	
1814.406164					
ZNF320	ZNF320	83.3342551	173.4262297	374.6602058	
396.2270758					
NIPAL1	NIPAL1	14.58349464	19.36739621	61.32830749	
63.74940576					
PPIG	PPIG	3457.329908	3548.635188	3751.062298	
3512.101878					
RPL19	RPL19	22969.00406	20119.20332	26439.19089	
24297.35044					
COL15A1	COL15A1	20.83356377	6.16235334	0	14.71140133
IFT81	IFT81	141.6682337	155.8195059	171.719261	
173.5945357					
SYNC	SYNC	8051.13072	7242.525847	6784.025869	
7249.778575					
CRYZ	CRYZ	5812.564293	1767.715072	4116.802023	
1795.771722					
UBE2A	UBE2A	9035.516609	7795.376975	6177.433155	
6082.67407					
MIR580	MIR580	0	0	3.345180409	0.980760089
ANKRD2	ANKRD2	9.375103698	13.20504287	0	4.903800443
LINC00896	LINC00896	12.2656615	11.76912106	6.250069132	12.32470668
12.2656615					
MIRLET7A3	MIRLET7A3	0	0	0	2.942280266
ZNF451	ZNF451	3996.91921	4810.15695	3834.691809	
3823.983586					
SHANK3	SHANK3	1.041678189	0.880336191	0	0.980760089
GTSCR1	GTSCR1	0	0	12.2656615	2.942280266
BOLA3-AS1	BOLA3-AS1	108.3345316	108.3345316	108.2813515	

186.2150428		128.4795716			
PJA2	PJA2	7439.665624	8418.654999	10245.17253	
9954.7149					
SRRM1	SRRM1	8985.516056	8235.545071	9107.811193	
8641.477141					
ZBTB32	ZBTB32	8077.172675	4869.139475	2571.328674	
2967.780028					
IRX5	IRX5	1.041678189	0	7.805420954	0
MMADHC	MMADHC	12342.84486	10073.68704	9247.19371	
8521.82441					
SNTB1	SNTB1	503.1305651	666.4144969	2564.638313	
921.9144833					
IFT52	IFT52	1244.805435	1287.051512	1130.670978	
1240.661512					
STK36	STK36	700.0077428	801.9862704	590.9818722	
976.8370483					
HMX2	HMX2	1.041678189	20.2477324	3.345180409	
1.961520177					
LOC101928043	LOC101928043		11.45846008	14.08537906	
11.15060136	15.69216142				
CCSER2	CCSER2	3728.166237	2104.883834	8154.434777	
4442.843202					
BCORP1	BCORP1	0	185.7509364	0	175.5560559
DDR2	DDR2	4.166712755	9.683698106	41.25722504	
26.48052239					
FAM166A	FAM166A	6232.360603	5001.189904	3842.49723	
4781.205432					
ROR1-AS1	ROR1-AS1		0	0	2.230120273
C5orf58	C5orf58	11.45846008	15.84605145	28.99156354	0
7.846080709					
ABHD12	ABHD12	3618.790028	2646.290591	2450.90218	
2233.190722					
COL28A1	COL28A1	0	0.880336191	0	1.961520177
FOSB	FOSB	23.95859834	53.70050768	74.70902913	
38.24964346					
WASF3	WASF3	3.125034566	7.042689532	0	1.961520177
MESDC2	MESDC2	7100.078534	4879.703509	5247.473001	
3952.463157					
KIAA1045	KIAA1045		0	0	32.33674395
0.980760089					
G3BP2	G3BP2	25714.86777	17729.9709	21789.39012	
17298.64644					
OSBPL11	OSBPL11	1442.724291	1555.55405	1339.187224	
1054.317095					
TRIM73	TRIM73	5.208390943	9.683698106	5.575300681	
8.826840798					
LRP1B	LRP1B	0	0	6.690360818	1.961520177
SLC39A5	SLC39A5	7.291747321	20.2477324	1.115060136	
7.846080709					
LAPTM5	LAPTM5	20990.85718	23093.85931	13992.88965	

15182.16617					
CMYA5	CMYA5	11.45846008	21.12806859	0	2.942280266
TSPAN17	TSPAN17	3142.743095	3306.542735		2767.579258
2820.666015					
ASB15	ASB15	0	0	1.961520177	
SLC16A14	SLC16A14		81.25089872		234.1694269
3.345180409		158.8831344			
KIAA0232	KIAA0232		1567.725674		2134.815264
1691.546227		1447.601891			
TIMM17B	TIMM17B	3451.079839	3385.772992		2948.219
3202.18169					
FRMD4A	FRMD4A	32.29202385	44.89714576		30.10662368
54.92256497					
ATG4A	ATG4A	1504.183304	1250.957728		1315.770961
1186.719707					
MRPS33	MRPS33	3530.247382	2538.00924		2779.84492
2362.651054					
TSGA13	TSGA13	10.41678189	22.00840479		12.2656615
12.74988115					
C1orf210	C1orf210		0	0.880336191	3.345180409
0					
BMI1	BMI1	4972.971673	4512.603317		5642.20429
5519.717779					
ATP5G2	ATP5G2	7917.795912	11218.12409		7502.124597
8147.174057					
ATP5C1	ATP5C1	18842.91676	13847.68829		11783.95552
11933.88876					
FAM229A	FAM229A	6.250069132	8.803361914	0	7.846080709
COX7B	COX7B	9750.107846	9939.875938		8582.617869
7594.025367					
COX6B1	COX6B1	7442.790658	9629.997598		6141.751231
6469.093545					
CSNK1A1	CSNK1A1	13318.89732	11000.68105		13087.46082
11214.99161					
ARMC12	ARMC12	3.125034566	16.72638764	0	15.69216142
PRRT3	PRRT3	585.423142	514.996672		585.4065715
560.0140106					
SIPA1	SIPA1	8168.840356	9334.204638		4483.656808
9182.85671					
IVNS1ABP	IVNS1ABP		20045.01339		15009.73206
20675.44505		19119.91793			
WIPI1	WIPI1	1635.434756	1777.398771		897.6234097
1166.123745					
C9orf89	C9orf89	2240.649784	2005.405844		1570.004672
1693.772673					
NFIA	NFIA	21.87524196	70.42689532		161.6837198
287.362706					
ABCA3	ABCA3	160.4184411	288.7502708		209.6313056
395.2463157					
ADCY2	ADCY2	0	2.230120273	0	

ENDOV	ENDOV	330.2119858	377.6642261	240.8529894	
437.4189995					
IFITM3	IFITM3	722.924663	16.72638764	4827.09533	
96.11448869					
MAGEE1	MAGEE1	43.75048393	145.2554716	112.6210738	
137.3064124					
ABHD17B	ABHD17B	2631.279105	2647.170928	1772.945617	
1478.986214					
MAP3K10	MAP3K10	6.250069132	58.98252483	32.33674395	
27.46128248					
BSG	BSG	18482.4961	17523.97223	13153.24937	
15021.32152					
CALHM3	CALHM3	10.41678189	5.282017149	0	0
CBLB	CBLB	4507.341522	8069.161531	4620.809205	
7415.52703					
KMT2E-AS1	KMT2E-AS1		210.4189941	324.8440546	
389.1559876	288.3434661				
DLG5-AS1	DLG5-AS1		0	1.760672383	0
TAOK3	TAOK3	4827.136726	4054.828498	3755.522539	0
3573.889763					
MMS19	MMS19	4755.260931	4279.314227	5103.630244	
5805.118965					
POLRMT	POLRMT	4613.592698	4133.178419	4579.55198	
4777.282392					
ARL6IP1	ARL6IP1	35703.51992	31660.41079	23861.17186	
25921.48914					
EED	EED	10629.28424	7485.498636	9878.317747	
9569.276185					
CHRND	CHRND	0	0.880336191	6.690360818	0.980760089
MAMDC4	MAMDC4	29.16698928	69.54655912	37.91204463	
64.73016585					
HDHD3	HDHD3	894.8015641	783.4992104	1159.662542	
1098.451299					
LOC101927814	LOC101927814		11.45846008	9.683698106	
10.03554123	2.942280266				
ANKRD20A1	ANKRD20A1		0	0.880336191	1.115060136
0					
EMC7	EMC7	8325.092084	5553.160696	5328.872391	
4329.075031					
ZNF713	ZNF713	41.66712755	31.69210289	46.83252572	
63.74940576					
PHF1	PHF1	57.29230038	48.41849053	428.1830923	
163.7869348					
SNRNP25	SNRNP25	4261.50547	4985.343852	2618.1612	
4336.921112					
SH3BGRL3	SH3BGRL3		55945.41048	58878.64516	
32518.49875	43636.95863				
EIF2B3	EIF2B3	4160.462686	2870.77632	3148.929825	
3320.85366					
C8orf44	C8orf44	105.2094971	170.7852211	231.9325083	

143.1909729					
HSPA2	HSPA2	516.6723816	438.4074233	595.4421128	
525.6874075					
AK5	AK5	18.7502074	12.32470668	237.507809	
253.0361029					
HSH2D	HSH2D	4105.253742	4492.355585	2883.545512	
2212.59476					
ZNF335	ZNF335	2220.857898	2953.527922	1777.405857	
2513.688107					
LOC101927478	LOC101927478	0	6.16235334	7.805420954	
0					
LOC102724058	LOC102724058	0	8.803361914	0	
10.78836098					
HNRNPA1L2	HNRNPA1L2	735.4248012	589.8252483		
915.4643719	872.8764789				
ANXA2R	ANXA2R	206.2522814	212.1610221	691.3372845	
222.6325401					
TMEM235	TMEM235	1.041678189	0	0	0
ZNF544	ZNF544	1838.562003	1561.716404	2026.064268	
1878.15557					
CSTF2T	CSTF2T	1953.146604	3320.628114	1606.801656	
2729.455327					
XKR8	XKR8	1033.344763	723.6363494	956.7215969	
906.2223219					
RPL10	RPL10	22100.24445	23074.49191	26289.77283	
24181.62075					
MC5R	MC5R	2.083356377	0	0	0
ACTR5	ACTR5	1478.14135	1201.658901	1448.463117	
1492.716855					
ITGA1	ITGA1	793.7587798	588.0645759	524.078264	
538.4372887					
LZTS1	LZTS1	157.2934065	383.8265795	255.3487712	
222.6325401					
FAM92A1	FAM92A1	119.7929917	117.0847135	121.5415549	
75.51852683					
SHE	SHE	0	0.880336191	15.61084191	1.961520177
SERPINH1	SERPINH1	391.670999	433.1254062		
735.9396899	559.0332505				
LCMT1	LCMT1	2626.070714	1919.132897	2365.042549	
2029.192623					
MAMDC2-AS1	MAMDC2-AS1	1.041678189	0.880336191		
1.115060136	0				
LOC100505622	LOC100505622	76.04250777	29.93143051		
39.02710477	52.96104479				
LINC01095	LINC01095	0	0.880336191	0	0
LOC339666	LOC339666	1.041678189	5.282017149		
21.18614259	3.923040355				
SH2D3A	SH2D3A	776.0502506	621.5173512	1340.302284	
1261.257474					
TOM1L1	TOM1L1	214.5857069	221.8447202	205.1710651	

241.2669818					
DIAPH1	DIAPH1	10284.48876	20930.87329	8556.971486	
10229.32772					
MFSD9	MFSD9	870.8429658	863.6098038	869.7469063	
904.2608018					
C6orf118	C6orf118	0	0	0	1.961520177
NSMCE1	NSMCE1	4674.010033	4063.63186	4639.765227	
5201.95151					
CCDC138	CCDC138	1181.263066	1099.539903	742.6300508	
900.3377614					
NBPF1	NBPF1	48.95887487	37.85445623	370.1999652	
313.8432284					
SCAF4	SCAF4	7615.709238	7257.491562	6088.228344	
6968.30043					
SNX13	SNX13	1794.811519	1695.527505	1614.607077	
1678.080512					
CERS6	CERS6	4899.012521	6266.233011	4102.306241	
3956.386198					
RGP1	RGP1	571.8813256	797.5845894	588.7517519	
593.3598536					
PAFAH1B3	PAFAH1B3	1631.268044	1817.013899		
1477.454681	1805.579323				
CAAP1	CAAP1	1840.645359	1644.468006	1553.27877	
1742.810678					
SLC25A29	SLC25A29	222.9191324	444.5697767		
163.91384	271.6705446				
KCNIP2-AS1	KCNIP2-AS1	8.33342551	11.44437049		
17.84096218	21.57672195				
LINC00536	LINC00536	3.125034566	11.44437049		0
11.76912106					
LINC00260	LINC00260	34.37538023	33.45277527		
11.15060136	23.53824213				
SLC25A46	SLC25A46	7514.666453	6255.668976		
3644.016525	4461.477643				
HSF2BP	HSF2BP	23.95859834	25.52974955	95.89517172	
55.90332505					
CCDC47	CCDC47	10643.86773	8418.654999	8924.941331	
8403.15244					
RAB25	RAB25	0	1.115060136	18.63444168	
TXNDC16	TXNDC16	778.133607	840.7210628	582.0613911	
490.3800443					
GCNT3	GCNT3	1.041678189	0	0	
RNVU1-20	RNVU1-20	80.20922053	129.4094201		
50.17770613	59.82636541				
C6orf201	C6orf201	1830.228578	1786.202132		
2281.413039	2308.709249				
ZNF154	ZNF154	37.50041479	150.5374887	78.05420954	
223.6133002					
GJA3	GJA3	11.45846008	21.12806859	18.95602232	
0.980760089					

SLC18B1	SLC18B1	478.1302886	500.0309567	727.0192088
689.4743423				
ZNF813	ZNF813	327.0869513	453.3731386	778.3119751
826.7807547				
IFNGR2	IFNGR2	279.1697546	215.6823669	1615.722137
1878.15557				
PAPL	PAPL	0	0	5.884560532
CXorf40B	CXorf40B	2193.323288	2965.657803	1626.861282
1770.27196				
EVX2	EVX2	0	0	2.942280266
ZNF799	ZNF799	377.0875043	365.3395194	568.6806695
570.8023716				
DSC3	DSC3	0	0	3.923040355
SMG9	SMG9	1004.177774	1454.315388	1029.200506
930.7413241				
OGFOD2	OGFOD2	1432.307509	1200.778565	1178.618564
1490.755335				
FASTKD1	FASTKD1	2829.197961	2427.08688	2000.417884
2212.59476				
PDPK1	PDPK1	2868.781732	2848.767915	3417.659318
2773.589531				
GCFC2	GCFC2	1509.391695	1089.856205	1691.546227
1565.293102				
ZNF768	ZNF768	57.29230038	115.3240411	143.8427576
124.5565313				
DNAJC6	DNAJC6	864.5928966	574.859533	604.3625939
479.5916834				
SOBP	SOBP	18.7502074	9.683698106	27.87650341
3.923040355				
ARGLU1	ARGLU1	4496.924741	4649.055427	3661.857487
4288.863868				
TCEA3	TCEA3	37.50041479	19.36739621	443.7939342
327.5738696				
CASP7	CASP7	3934.418519	2310.002166	4016.446611
2010.558182				
MCAT	MCAT	1148.971042	831.9177009	876.4372671
927.7990439				
KCNMB3	KCNMB3	29.16698928	64.26454197	34.56686422
42.17268381				
ZNF737	ZNF737	360.4206533	335.4080889	1028.085446
536.4757685				
DISP2	DISP2	36.4587366	26.41008574	103.7005927
27.46128248				
ISM2	ISM2	1.041678189	3.521344766	22.30120273
5.884560532				
CNTD1	CNTD1	3723.999525	2717.597823	3164.540667
2716.705446				
SNW1	SNW1	9070.933667	6908.87843	6490.765053
7969.656481				
PLEK2	PLEK2	11.45846008	12.32470668	208.5162455

344.2467911					
KHDC1L KHDC1L	7.291747321	0.880336191	15.61084191		
2.942280266					
EHBP1L1 EHBP1L1	1633.3514	3441.234172	1048.156528		
1849.713527					
LPCAT1 LPCAT1	3997.960888	4906.993931	3111.01778		
3619.004727					
C5orf28 C5orf28	1257.305574	970.130483	1626.872739		
1129.835622					
ARAP3 ARAP3	50.00055306	113.5633687	32.33674395		
43.1534439					
TRMT44 TRMT44	973.9691064	679.6195398	948.916176		
833.6460754					
OLIG1 OLIG1	0	0.880336191	0		
BUD31 BUD31	7579.250501	6069.91804	6422.746385		
5922.810175					
MNT MNT	18.7502074	98.59765344	42.37228518		
49.03800443					
DDX4 DDX4	11.45846008	4.401680957	0	10.78836098	
BRD7 BRD7	4300.047563	3606.737376	3633.980984		
3513.082638					
VGf VGf	4.166712755	2.641008574	0	0	
CEBPZ CEBPZ	5493.810767	3719.420409	6836.433695		
5314.73892					
VPS37D VPS37D	0	0.880336191	0		
COL6A5 COL6A5	0	7.042689532	0	1.961520177	
LPIN1 LPIN1	2696.904831	3076.774989	4895.113998		
3853.406388					
ATPAF2 ATPAF2	1698.977126	1138.274696	1377.099268		
1082.759138					
GP1BB GP1BB	0	0.880336191	0		
ZNF774 ZNF774	66.66740408	44.89714576	49.062646		
42.17268381					
CHIC1 CHIC1	158.3350847	157.5801783	207.4011853		
171.6330155					
COA3 COA3	3710.457708	3284.53433	2613.700959		
2708.859365					
SPATA7 SPATA7	108.3345316	124.127403	171.719261		
160.8446545					
ZC2HC1A ZC2HC1A	1371.890175	566.9365073	839.6402826		
458.9957215					
ACBD3 ACBD3	3990.669141	3239.637184	3938.392401		
3097.24036					
FN3KRP FN3KRP	4338.589656	3067.091291	3199.107531		
3213.950811					
ZNF329 ZNF329	82.29257691	161.101523	456.0595957		
303.0548674					
ZC3H14 ZC3H14	4980.26342	4002.888662	4018.676731		
4617.418497					
EIF1 EIF1	37403.53872	29911.18278	50235.68926		

29522.84019					
STK3	STK3	559.3811873	628.5600407	730.3643893	
770.8774297					
RXRG	RXRG	0	0	2.230120273	0
POC5	POC5	1927.104649	1649.750023	1510.906485	
1647.676949					
KIAA1324L	KIAA1324L		93.75103698	208.6396774	
385.8108071		401.1308763			
RIN3	RIN3	1919.812902	2357.540321	1212.070368	
1405.429207					
FUT11	FUT11	827.0924818	907.6266134	778.3119751	
1224.969351					
DMBX1	DMBX1	2.083356377	1.760672383	14.49578177	
2.942280266					
SPAG1	SPAG1	1039.594832	1360.119416	731.4794494	
831.6845552					
LEPREL2	LEPREL2	5.208390943	8.803361914	85.85963049	
99.05676896					
MTMR14	MTMR14	5853.189742	4682.508202	4292.981525	
4703.725385					
BCL3	BCL3	5889.648479	9001.437557	3172.346088	
6482.824186					
ARHGAP42	ARHGAP42		0	19.36739621	0
7.846080709					
R3HDM2	R3HDM2	554.1727964	1152.360075	1313.540841	
1157.296905					
SCN1B	SCN1B	0	2.641008574	18.95602232	31.38432284
CLDN11	CLDN11	4.166712755	0.880336191	0	0
BDKRB2	BDKRB2	1.041678189	0	3.345180409	1.961520177
MTHFD2L	MTHFD2L	202.0855686	194.5542983	166.1439603	
266.7667441					
KLF15	KLF15	0	1.760672383	1.115060136	0
WDR7	WDR7	3004.199896	4333.014734	2696.215409	
2751.032049					
HAUS5	HAUS5	2621.904001	3147.201884	1719.42273	
2381.285495					
PRR14	PRR14	1071.886856	1822.295916	1158.547482	
1136.700943					
ZFYVE26	ZFYVE26	463.546794	1142.676376	1132.901098	
702.2242235					
WBSCR16	WBSCR16	4162.546042	3625.224436	2886.890693	
3355.180263					
RAB41	RAB41	17.70852921	13.20504287	13.38072164	
14.71140133					
TANG06	TANG06	2844.823133	2433.249233	2638.232282	
3233.566012					
LING03	LING03	148.959981	211.2806859	63.55842777	
126.5180514					
ACVRL1	ACVRL1	1.041678189	0	0	0
SLITRK1	SLITRK1	0	0.880336191	0	0.980760089

CENPP	CENPP	1704.185517	1615.416911	1013.589664
1391.698566				
PEX3	PEX3	3211.493856	2185.874763	2402.954594
2627.456278				
CERS2	CERS2	9350.103422	8391.364577	8206.842603
8130.501135				
ZNF90	ZNF90	163.5434756	129.4094201	228.5873279
201.0558182				
CEP131	CEP131	661.4656498	849.5244247	338.9782814
559.0332505				
TCP1	TCP1	37125.41065	28064.23745	31566.2374
32421.96701				
OVCH2	OVCH2	0	0	5.884560532
FOLR3	FOLR3	0	0	3.345180409
CCDC64	CCDC64	490.6304269	947.241742	826.259561
1263.218994				
GPR174	GPR174	663.5490062	664.6538245	640.0445182
978.7985685				
ZNF385C	ZNF385C	79.16754234	38.73479242	44.60240545
88.26840798				
FAM134B	FAM134B	555.2144746	541.4067577	1593.420935
1248.507593				
SBF1	SBF1	2776.072373	9944.277618	3590.493639
3970.116839				
MIR7705	MIR7705	343.7538023	665.5341607	536.3439255
517.8413268				
CCDC15	CCDC15	560.4228655	785.2598828	372.4300855
501.1684053				
ATAD5	ATAD5	2794.82258	3115.509782	1680.395625
2092.942029				
ZKSCAN3	ZKSCAN3	430.2130919	250.8958146	323.3674395
338.3622306				
ATP10A	ATP10A	1677.101884	1239.513358	2399.609413
1486.832294				
GMEB1	GMEB1	1796.894876	1571.400102	1486.375162
1487.813055				
VPREB3	VPREB3	0	7.042689532	0
GZMB	GZMB	58561.06441	125370.4377	67029.60997
231105.3265				
GNG11	GNG11	7.291747321	1.760672383	0
GBP2	GBP2	18580.41385	23694.24859	0.980760089
28814.73141				26102.44273
FXYP7	FXYP7	6.250069132	23.76907717	23.41626286
32.36508293				
TIGIT	TIGIT	4507.341522	1517.699594	6429.436746
3781.810902				
TMEM101	TMEM101	2006.272191	1556.434386	1475.22456
1686.907353				
ARL15	ARL15	653.1322243	603.0302911	470.5553775
529.6104479				

ZFYVE20	ZFYVE20	1386.473669	1461.358078	1813.087782	
1629.042507					
PHF7	PHF7	616.6734877	737.7217284	577.6011506	
484.4954838					
EFCAB5	EFCAB5	139.5848773	179.5885831	123.7716751	
76.49928692					
ATP11B	ATP11B	6900.076322	8359.672474	5549.654298	
5975.77122					
GSE1	GSE1	188.5437522	562.5348263	304.4114172	
314.8239885					
FBXW9	FBXW9	576.0480384	469.21919	507.352362	
566.8793313					
LZTS3	LZTS3	26.04195472	29.05109432	161.6837198	
43.1534439					
NDUFAF1	NDUFAF1	2613.570575	2257.181995	1710.502249	
2160.614475					
FUCA1	FUCA1	820.8424127	492.107931	1195.344466	
1007.240611					
AC01	AC01	1046.88658	1359.23908	2021.604027	
2086.076709					
EEF1A2	EEF1A2	1.041678189	2.641008574	8.92048109	
1.961520177					
DUSP3	DUSP3	369.795757	438.4074233	1039.236047	
947.4142457					
PLCB3	PLCB3	121.8763481	252.6564869	124.8867353	
114.7489304					
RARRES2	RARRES2	3.125034566	3.521344766	0	3.923040355
PLA2G5	PLA2G5	0	0	1.961520177	
RANGAP1	RANGAP1	9801.150077	8689.798546	9481.356339	
9061.242459					
PDE1B	PDE1B	142.7099119	204.2379964	161.6837198	
399.1693561					
PDE4C	PDE4C	4.166712755	0	0	0
PDE3B	PDE3B	6925.076598	7497.823342	7768.623969	
7745.06242					
RPS19	RPS19	27882.60008	28247.34737	41018.60217	
29801.37605					
UBE2B	UBE2B	1718.769011	2274.788719	2819.987085	
2132.172433					
LOC285593	LOC285593		0	0	1.115060136
TFEC	TFEC	6.250069132	1.760672383	4.460240545	0
2.942280266					
TRRAP	TRRAP	807.3005962	1908.568863	750.4354717	
946.4334856					
ZNF197-AS1	ZNF197-AS1		10.41678189	1.760672383	
4.460240545	1.961520177				
LOC100131655	LOC100131655		27.08363291	43.13647338	
54.63794668	31.38432284				
ERVK13-1	ERVK13-1		207.2939596	280.8272451	
476.1306782	546.2833694				

ROPN1L	ROPN1L	168.7518666	58.10218863	16.72590204
3.923040355				
INSM1	INSM1	0	7.042689532	10.03554123
EIF4A3	EIF4A3	24738.8153	13660.17668	14696.4926
14583.90252				
KIAA0195	KIAA0195		1023.969659	2014.209206
875.322207		1307.353198		
SOX8	SOX8	1.041678189	13.20504287	304.4114172
136.3256523				
CLSTN3	CLSTN3	239.5859834	745.6447541	309.9867179
479.5916834				
C15orf56	C15orf56		0	2.641008574
2.942280266				0
IL21R	IL21R	8228.216013	11425.88343	8907.100368
16414.9816				
GOLGA8A	GOLGA8A	489.5887487	1142.676376	342.3234618
775.7812301				
HSPBAP1	HSPBAP1	468.7551849	507.9539825	671.266202
730.6662661				
ALKBH7	ALKBH7	716.6745938	745.6447541	1003.554123
727.7239858				
KIAA0247	KIAA0247		3800.042032	5479.212456
4267.335141		4795.916834		
PMEPA1	PMEPA1	27.08363291	16.72638764	315.5620186
140.2486927				
HLX	HLX	4.166712755	58.10218863	23.41626286
31.38432284				
ZNF665	ZNF665	38.54209298	32.57243908	191.7903434
196.1520177				
ATP6V1B1-AS1	ATP6V1B1-AS1		6.250069132	18.48706002
10.03554123		8.826840798		
FARP1	FARP1	36.4587366	85.39261057	45.71746559
18.63444168				
MAP3K15	MAP3K15	662.507328	451.6124662	842.985463
749.3007077				
FIGNL2	FIGNL2	1.041678189	7.042689532	15.61084191
3.923040355				
AGMO	AGMO	0	0	3.345180409
				0
PLA2G2D	PLA2G2D	0	2.641008574	0
				0
MTX2	MTX2	2340.65089	1699.929186	2096.313056
2061.557706				
EDEM1	EDEM1	12328.26136	19830.45305	13514.52885
13983.67734				
FAM135B	FAM135B	0	0	0.980760089
				0
DGCR11	DGCR11	205.2106032	135.5717735	93.66505145
155.9408541				
LINC01004	LINC01004		129.1680954	411.1170014
98.12529199		295.2087867		
CAMKMT	CAMKMT	426.0463792	382.9462433	485.0511593
542.360329				

PXDC1	PXDC1	37.50041479	57.22185244	89.2048109
72.57624656				
RTP4	RTP4	902.0933114	720.9953408	2483.238923
731.6470261				
NPFFR1	NPFFR1	3.125034566	0.880336191	0 0
PARVG	PARVG	3278.16126	2880.460018	1956.930539
2786.339412				
EPB41L4A	EPB41L4A		88.54264604	116.2043773
121.5415549	121.614251			
ERRFI1	ERRFI1	61.45901313	38.73479242	246.4282901
172.6137756				
YIPF5	YIPF5	4601.092559	3284.53433	4311.937547
3796.522303				
CSRNP2	CSRNP2	776.0502506	1244.795375	1417.241433
1152.393104				
ALKBH3	ALKBH3	2239.608106	1529.143965	2096.313056
1988.98146				
PRKAB1	PRKAB1	3741.708054	1964.030043	3379.747273
2291.055567				
HAA0	HAA0	29.16698928	2.641008574	57.98312709
6.865320621				
MSRB1	MSRB1	3332.328526	2264.224684	1787.441398
1965.443218				
GPATCH3	GPATCH3	1061.470074	865.3704762	1044.811348
1052.355575				
SLC22A3	SLC22A3	0	0.880336191	0
13.73064124				
C17orf75	C17orf75		1631.268044	1457.836733
1155.202301	1508.409016			
OR6K2	OR6K2	0	0	0.980760089
CEACAM16	CEACAM16	0	2.641008574	0
1.961520177				
H2AFB1	H2AFB1	0	0.880336191	0
2.942280266				
ZNF793	ZNF793	23.95859834	27.29042193	165.0289002
102.9798093				
ZBPB	ZBPB	1.041678189	1.760672383	0
1.961520177				
H2BFXP	H2BFXP	5.208390943	10.5640343	5.575300681
6.865320621				
CIDCEP	CIDCEP	440.6298738	348.6131318	491.7415201
289.3242262				
FCGR1A	FCGR1A	0	1.760672383	3.345180409
0				
ANKRD49	ANKRD49	1686.476988	1461.358078	2011.568486
1691.811153				
MTERF3	MTERF3	2390.651443	1840.782976	2404.069654
2296.940128				
MRPS12	MRPS12	6680.282224	4612.081307	5179.454333
4825.339636				
IL13	IL13	5764.647096	379.4248985	3655.167127
285.4011858				
CNKS1R1	CNKS1R1	86.45928966	163.7425316	82.51445008
203.0173384				

ASXL3	ASXL3	0	0	3.345180409	0
ACTR10	ACTR10	5613.603759		3933.342103	4901.804359
4169.211137					
ZC3H15	ZC3H15	6859.450873		5583.092126	6835.318635
6104.250792					
SMIM2	SMIM2	1.041678189		0	1.115060136
CRIP1	CRIP1	9357.395169		11270.94426	4818.174849
5808.061245					
CNN1	CNN1	0	6.16235334	0	4.903800443
USP9Y	USP9Y	0	1334.589666	0	1042.547974
KIAA1107	KIAA1107			25.00027653	29.05109432
68.01866831		62.76864567			
LAGE3	LAGE3	2105.231619		1726.339271	1753.989594
1827.156045					
MRPL34	MRPL34	3807.33378		3328.55114	2938.183459
3097.24036					
HTRA2	HTRA2	4843.803577		4296.92095	3578.227977
3913.232754					
MROH5	MROH5	1.041678189		0	1.115060136
ZPR1	ZPR1	5394.851339		4173.673884	4870.582675
5091.12562					
CHRD	CHRD	0	0	0	0.980760089
NDUFV1	NDUFV1	10700.11835		8855.30175	7709.525782
10270.51965					
RPL23AP7	RPL23AP7			518.755738	211.2806859
557.5300681		343.266031			
UQCR10	UQCR10	7953.212971		7748.719157	6678.095156
5906.137254					
XP07	XP07	4852.137003		5763.561045	3689.733991
5341.219443					
NUP88	NUP88	9301.144547		7489.019981	10260.78337
11744.60206					
JAK2	JAK2	4508.383201		4392.877595	4022.021912
2669.628961					
FAM177B	FAM177B	16.66685102		5.282017149	5.575300681
4.903800443					
RHBDL1	RHBDL1	3.125034566		0	2.230120273
LAMB2P1	LAMB2P1	10.41678189		4.401680957	15.61084191
11.76912106					
STBD1	STBD1	291.6698928		375.0232176	138.2674569
196.1520177					
DPP4	DPP4	13643.90092		13624.0829	8401.978127
9325.066923					
PKLR	PKLR	7.291747321		9.683698106	15.61084191
10.78836098					
AGRP	AGRP	4.166712755		1.760672383	14.49578177
10.78836098					
DHX37	DHX37	545.8393709		1441.110345	695.797525
611.9942953					
SESN3	SESN3	330.2119858		263.2205212	1606.801656

1282.834196					
SLC25A25-AS1	SLC25A25-AS1	60.41733494	107.4010154		
128.2319157	61.78788559				
POC1B-GALNT4	POC1B-GALNT4	2242.73314	1590.767498		
1508.676364	1167.104506				
C9orf173-AS1	C9orf173-AS1	0	2.641008574	0	0
GSTT2B GSTT2B	8.33342551	0	0	0	
FITM2 FITM2	168.7518666	108.2813515	94.78011158		
125.5372913					
SOS1 SOS1	7859.461934	5436.956318	5840.684994		
3278.680976					
MTSS1 MTSS1	458.338403	1315.22227	749.3204116		
1061.182416					
RIMS3 RIMS3	91.66768061	581.9022225	194.0204637		
389.3617552					
RNF144A RNF144A	368.7540788	451.6124662	2507.770246		
1474.082413					
COPRS COPRS	2771.90566	2150.661316	2373.96303		
2088.038229					
DDIT4 DDIT4	7351.122978	8864.985448	7083.977046		
21614.97159					
SNX27 SNX27	2239.608106	3063.569946	2465.397961		
2620.590957					
DGCR9 DGCR9	2.083356377	0.880336191	1.115060136		
3.923040355					
SH3RF3-AS1	SH3RF3-AS1	7.291747321	2.641008574		
4.460240545	28.44204257				
LOC100133315	LOC100133315	230.2108797	212.1610221		
181.7548022	251.0745827				
ALOX15P1	ALOX15P1	20.83356377	20.2477324		
12.2656615	27.46128248				
DDX11L1 DDX11L1	1.041678189	2.641008574	0	0	
AGBL1-AS1	AGBL1-AS1	0	0	0	1.961520177
TMEM54 TMEM54	13.54181645	18.48706002	45.71746559		
34.3266031					
SLC13A5 SLC13A5	10.41678189	8.803361914	15.61084191		
5.884560532					
TTC9B TTC9B	0	0.880336191	0	2.942280266	
ZNF560 ZNF560	12.50013826	0.880336191	0	1.961520177	
PDIA3P1 PDIA3P1	84.37593328	102.1189982	102.5855325		
122.5950111					
FAM231D FAM231D	53.12558762	107.4010154	320.0222591		
261.8629437					
HNRNPKP3	HNRNPKP3	1.041678189	2.641008574		
2.230120273	0				
LOC90834	LOC90834	30.20866747	24.64941336		
20.07108245	24.51900222				
LINC00548	LINC00548	4.166712755	3.521344766		
16.72590204	1.961520177				
LINC01226	LINC01226	0	0	3.345180409	0

TSC1	TSC1	1447.932682	1566.998421	2252.421475
1526.062698				
FOXE1	FOXE1	4.166712755	2.641008574	13.38072164
2.942280266				
LRP2	LRP2	0	0	1.115060136
GCSH	GCSH	551.0477618	594.2269292	0.980760089
528.6296878				462.7499566
USP36	USP36	2736.488602	3210.58609	3974.074326
3524.851759				
GCG	GCG	1.041678189	1.760672383	0
ABCA4	ABCA4	1.041678189	11.44437049	0
BTBD8	BTBD8	22.91692015	31.69210289	0
70.61472638				57.98312709
HMGXB3	HMGXB3	3999.002566	4794.310899	3390.897874
4178.037978				
C9orf129	C9orf129	0	4.401680957	2.230120273
0				
LINC00528	LINC00528	81.25089872	71.30723151	
132.6921562	41.19192372			
RNVU1-19	RNVU1-19	11.45846008	12.32470668	
17.84096218	5.884560532			
TSPEAR-AS1	TSPEAR-AS1	0	0	0
PGAM2	PGAM2	28.12531109	28.17075813	4.903800443
37.26888337				46.83252572
GLTP	GLTP	3430.246275	2299.438132	3451.111122
2830.473616				
ZSCAN29	ZSCAN29	492.7137833	981.5748535	830.7198015
435.4574794				
C9orf142	C9orf142	1982.313593	1697.288177	
1650.289002	2026.250343			
ATF1	ATF1	1341.681507	1524.742284	1823.123323
1637.869348				
IP09	IP09	10557.40844	10012.94384	6884.381281
9314.278562				
MFN2	MFN2	9068.850311	7585.856962	8154.434777
7779.389023				
DENND4B	DENND4B	2463.568916	4601.517273	2985.015985
3212.97005				
FAIM3	FAIM3	2370.859557	3383.131984	4443.514643
4089.76957				
LINC01010	LINC01010	2.083356377	18.48706002	
1.115060136	33.34584301			
HAX1	HAX1	12138.67593	8561.269462	10096.86953
8767.995193				
FAM83G	FAM83G	426.0463792	538.7657492	558.6451283
674.762941				
MAK	MAK	214.5857069	220.0840479	227.4722678
193.2097375				
RAD51L3-RFFL	RAD51L3-RFFL	3122.95121	5196.624538	
3396.473175	3658.235131			

ORC6	ORC6	3518.788921	2995.784059	1975.886561	
2341.074332					
PTGS2	PTGS2	333.3370204	11.44437049	101.4704724	
2.942280266					
NACA2	NACA2	1.041678189	0.880336191	2.230120273	
2.942280266					
CD27	CD27	5219.849404	8791.917544	3580.458098	
8445.325124					
TCEB3	TCEB3	8398.009557	5574.288764	7263.501728	
6008.136303					
KRTAP5-7	KRTAP5-7	0	1.760672383	0	0
NUDT19	NUDT19	398.9627463	811.6699685	259.8090118	
377.5926341					
MED4	MED4	5318.808831	4508.201636	5303.226008	
4903.800443					
FSCN3	FSCN3	1.041678189	0	5.575300681	1.961520177
ZC3H7A	ZC3H7A	6470.904908	6433.496887	6553.208421	
6518.131549					
TMOD4	TMOD4	68.75076045	92.4353001	119.3114346	
66.69168603					
TAF1B	TAF1B	2021.897364	1854.868355	1248.867353	
1215.16175					
MSH4	MSH4	1.041678189	5.282017149	3.345180409	
0.980760089					
FZD7	FZD7	13.54181645	1.760672383	60.21324736	
15.69216142					
REEP5	REEP5	16203.30423	12351.9971	10888.56223	
8738.57239					
NUDT11	NUDT11	90.62600242	96.83698106	64.6734879	
106.9028497					
SLC5A6	SLC5A6	7553.208546	4303.96364	6165.167493	
5710.965996					
PSMD8	PSMD8	19607.50855	14166.36999	13818.94027	
12619.44006					
PSMD7	PSMD7	13873.07012	10356.27496	10084.60387	
10029.25267					
GTF3A	GTF3A	22685.66759	16868.12176	16690.22012	
15110.57069					
PSMC6	PSMC6	9383.437124	7576.173264	7443.02641	
7371.392826					
ZNF624	ZNF624	216.6690632	363.5788471	1107.254715	
547.2641295					
SLC25A24	SLC25A24		2067.731205	2464.941336	
2056.170891	2102.74963				
LMF2	LMF2	2422.943467	3036.279524	2004.878125	
2191.018038					
ZNF430	ZNF430	1846.895429	1582.844472	3002.856947	
2248.882883					
CCDC174	CCDC174	944.8021171	734.2003837	1204.264947	
987.6254093					

PRPF4B PRPF4B	2248.983209	3090.860368	2391.803992
2411.689058			
SHFM1 SHFM1	7884.46221	8866.74612	5625.478387
6542.650552			
AIMP2 AIMP2	5457.352031	3754.633856	4280.715863
4215.306861			
DYNC1LI1	DYNC1LI1	3257.327696	2644.529919
2342.741346	2502.899746		
LINC00923	LINC00923	0 0	0 2.942280266
HSD17B3 HSD17B3	0 0	1.115060136	2.942280266
ZNF615 ZNF615	589.5898548	637.3634026	1093.873994
781.6657907			
SMIM5 SMIM5	0 2.641008574	2.230120273	4.903800443
NDUFS8 NDUFS8	5067.764388	5154.368401	3892.674936
4350.651753			
C3orf38 C3orf38	2991.699758	2799.469089	2836.712987
2638.244639			
INTS4 INTS4	3857.334333	3266.04727	3536.970752
3767.099501			
TCF20 TCF20	307.2950657	772.0548399	527.4234445
476.6494031			
TRAPPC3 TRAPPC3	5461.518743	4629.688031	4859.432074
4220.210662			
SMC1B SMC1B	17.70852921	17.60672383	60.21324736
44.13420399			
SNORA58 SNORA58	13.54181645	9.683698106	1.115060136
12.74988115			
CYB5R4 CYB5R4	4239.630228	3347.918536	3336.259928
2867.742499			
GLTSCR1 GLTSCR1	34.37538023	146.1358078	56.86806695
42.17268381			
C14orf1 C14orf1	2734.405245	2858.451614	2838.943107
2854.992618			
PNKP PNKP	1837.520325	1579.323127	1154.087241
1660.42683			
AATK AATK	4.166712755	1.760672383	12.2656615
18.63444168			
ZNF777 ZNF777	416.6712755	443.6894405	412.5722504
394.2655556			
NOL7 NOL7	6401.11247	4610.320635	6060.351841
5183.317069			
RAB4B RAB4B	1981.271915	1988.679456	1570.004672
1675.138231			
WDR830S WDR830S	5754.230314	6530.333868	5926.544624
5484.410416			
LIN7B LIN7B	82.29257691	86.27294676	241.9680496
120.6334909			
HOXB5 HOXB5	4.166712755	1.760672383	0 0.980760089
C19orf60	C19orf60	2794.82258	1905.047518
2337.166046	2386.189296		

ASXL1	ASXL1	2301.067119	5533.793299	2417.450375	
2832.435136					
EMC8	EMC8	3743.79141	2563.538989	2846.748528	
2452.880982					
CD247	CD247	13324.10571	13903.14947	13057.3542	
12094.73341					
ZNF230	ZNF230	267.7112945	246.4941336	637.8143979	
395.2463157					
TRPC6	TRPC6	1.041678189	0	0	0
PCNXL3	PCNXL3	544.7976927	1633.903971	880.8975076	
811.0885933					
BRSK1	BRSK1	3.125034566	29.93143051	5.575300681	
2.942280266					
FAR1	FAR1	5072.972779	4594.474583	3701.999652	
3443.448671					
CCDC88B	CCDC88B	5147.973609	5695.775159	3185.726809	
4636.052939					
SLC04C1	SLC04C1	42.70880574	26.41008574	2.230120273	
4.903800443					
F8A2	F8A2	578.1313947	617.9960064	645.6198189	
815.9923938					
RBM47	RBM47	177.0852921	238.5711079	107.0457731	
122.5950111					
USP46	USP46	815.6340218	437.5270871	673.4963223	
370.7273135					
OSER1-AS1	OSER1-AS1		54.16726581	116.2043773	
558.6451283	300.1125871				
LOC100507194	LOC100507194		0	0	1.115060136
LOC100507091	LOC100507091		5.208390943	9.683698106	0
14.49578177	6.865320621				
LOC100506844	LOC100506844		672.9241099	740.362737	
652.3101797	492.3415645				
LOC100507557	LOC100507557		125.0013826	177.8279107	
163.91384	200.0750581				
LINC01364	LINC01364		0	0	3.345180409
0.980760089					
ATP6V0E2-AS1	ATP6V0E2-AS1		132.29313	134.6914373	
239.7379293	166.7292151				
ADCY10P1	ADCY10P1		19.79188559	19.36739621	
50.17770613	44.13420399				
C5orf27	C5orf27	0	0	1.961520177	
EGFL6	EGFL6	575.0063602	82.751602	134.9222765	
72.57624656					
RNF44	RNF44	277.0863982	695.4655912	305.5264773	
271.6705446					
TBC1D30	TBC1D30	101.0427843	102.9993344	34.56686422	
37.26888337					
XK	XK	2.083356377	0	0	1.961520177
B3GALT1	B3GALT1	0	0	5.575300681	0
ARFIP1	ARFIP1	1528.141903	1549.391697	1233.256511	

1475.063173					
MYH6 MYH6	33.33370204	33.45277527	24.531323		
88.26840798					
MYH3 MYH3	36.4587366	82.751602	2.230120273		
87.28764789					
POLR2B POLR2B	12151.17607	12181.21188	11680.25493		
12924.45645					
TAGLN TAGLN	18.7502074	17.60672383	18.95602232		
16.67292151					
TGFBR3L TGFBR3L	12.50013826	53.70050768	13.38072164		
32.36508293					
ISM1 ISM1	0 0.880336191	109.2758934	55.90332505		
MIR4444-1	MIR4444-1	319.7952039	399.6726309		
328.9427402	325.6123494				
EFEMP2 EFEMP2	23.95859834	66.02521436	64.6734879		
61.78788559					
WTH3DI WTH3DI	1.041678189	1.760672383	1.115060136	0	
DARS DARS	11305.33338	10661.75161	12622.48074		
14967.37971					
RSPH10B2	RSPH10B2	6.250069132	3.521344766		
10.03554123	8.826840798				
CFAP69 CFAP69	2.083356377	0 0	0.980760089		
CLHC1 CLHC1	65.62572589	95.07630868	99.24035213		
113.7681703					
IFITM1 IFITM1	11112.62292	9294.589509	54242.10033		
23486.26184					
RPS16 RPS16	12519.93015	13089.71883	12124.04886		
11197.33793					
WDFY2 WDFY2	1802.103266	1025.591663	1310.19566		
1109.23966					
CHRNA2 CHRNA2	2.083356377	0 40.14216491	10.78836098		
MORF4L1 MORF4L1	13964.7378	14669.92229	14547.07454		
13858.14005					
ICE1 ICE1	1935.438075	3292.457356	2564.638313		
2605.879556					
EXOC3 EXOC3	3726.082881	3162.1676	3289.427402		
2936.395705					
RCOR1 RCOR1	209.3773159	495.6292758	235.2776888		
218.7094998					
NRG1-IT1	NRG1-IT1	0 0	2.230120273		
3.923040355					
CCL25 CCL25	23.95859834	4.401680957	55.75300681		
7.846080709					
ZP2 ZP2	0 1.760672383	0	0.980760089		
BSN BSN	2.083356377	11.44437049	35.68192436		
7.846080709					
B3GNT5 B3GNT5	103.1261407	55.46118006	40.14216491		
135.3448922					
ANKRD11 ANKRD11	3764.624974	3873.479242	4386.646576		
4038.770045					

ZNF25	ZNF25	640.632086	576.6202054	1039.236047		
903.2800417						
C1orf137	C1orf137		1.041678189	0	0	0
KIAA1875	KIAA1875		0	14.96571525	8.92048109	
		20.59596186				
BRAT1	BRAT1	6884.451149	5737.15096	4092.2707		
5861.02229						
HIBADH	HIBADH	2155.232172	2071.431058	1981.461862		
2778.493331						
ARL11	ARL11	114.5846008	139.0931182	160.5686596		
79.44156718						
CPO	CPO	4.166712755	0	0	0	
OR10P1	OR10P1	4.166712755	2.641008574	11.15060136		
4.903800443						
MRPL44	MRPL44	2897.948721	2579.385041	2641.577463		
2360.689533						
KRCC1	KRCC1	1766.686208	1099.539903	1747.299234		
1469.178613						
BLOC1S6	BLOC1S6	3121.909532	3386.653328	3842.49723		
3829.868146						
ELM01-AS1	ELM01-AS1		969.8023937	949.8827506		
893.1631691		1010.182891				
SYNJ2-IT1	SYNJ2-IT1		1.041678189	0	0	0
OTOP3	OTOP3	0	1.760672383	0	0	
R3HDM1	R3HDM1	2471.902342	3251.961891	2053.940771		
2398.939177						
SPTBN2	SPTBN2	3.125034566	2.641008574	1.115060136		0
TPPP	TPPP	15.62517283	27.29042193	51.29276627		
26.48052239						
TOPBP1	TOPBP1	6322.986605	9541.963979	4259.529721		
5898.291173						
DUSP14	DUSP14	1839.603681	1208.701591	1797.47694		
1330.89144						
SRSF1	SRSF1	11417.83463	21046.19733	9518.153323		
11132.60777						
ZNF346	ZNF346	2319.817326	1907.688527	1752.874534		
2075.288348						
ITGB1BP2	ITGB1BP2		5.208390943	44.01680957		
12.2656615		10.78836098				
SLFN12	SLFN12	494.7971396	440.1680957	259.8090118		
244.2092621						
MYOZ2	MYOZ2	1.041678189	0	0	0	
PLA2G4A	PLA2G4A	186.4603958	39.61512861	20.07108245		
11.76912106						
CLDN22	CLDN22	0	0	20.07108245	0	
LOC729296	LOC729296		1.041678189	0	0	0
GALNS	GALNS	964.5940027	915.5496391	650.0800594		
970.9524878						
TMEM221	TMEM221	0	11.44437049	7.805420954	12.74988115	
COG4	COG4	4782.344564	4626.166686	3329.569567		

4397.728238					
IKBKE	IKBKE	12949.10156	7173.859624	4605.198363	
4674.302583					
SH3TC1	SH3TC1	673.9657881	1836.381295	409.22707	
1455.447972					
STAG1	STAG1	4112.545489	4106.768333	3853.647831	
4241.787383					
ARHGEF5	ARHGEF5	79.16754234	104.7600068	97.01023186	
95.1337286					
ZDHHC1	ZDHHC1	17.70852921	18.48706002	8.92048109	
41.19192372					
IER5	IER5	6705.282501	3966.794879	6530.907218	
4691.956264					
CLEC2A	CLEC2A	0	0	2.942280266	
TSSC1	TSSC1	3179.201832	2474.625034	2082.932335	
2630.398558					
NR6A1	NR6A1	38.54209298	21.12806859	50.17770613	
28.44204257					
GMDS	GMDS	1465.641212	1191.975203	1138.476399	
1263.218994					
TCEANC2	TCEANC2	1333.348082	1106.582593	1226.56615	
1181.815907					
PYDC1	PYDC1	0	0	1.961520177	
AP4E1	AP4E1	1232.305297	1763.313391	1389.36493	
1362.275763					
NCR3LG1	NCR3LG1	22.91692015	16.72638764	305.5264773	
89.24916807					
ACACB	ACACB	84.37593328	415.5186824	200.7108245	
246.1707823					
TYROBP	TYROBP	5.208390943	3.521344766	20.07108245	
1.961520177					
AEN	AEN	7735.502229	3367.285932	9960.832197	
4555.630612					
TAS2R4	TAS2R4	0	0	6.690360818	0.980760089
POLA1	POLA1	2407.318294	3633.147462	1843.194405	
2437.18882					
SIX2	SIX2	0	0.880336191	0	0.980760089
LOC101927740	LOC101927740	0	0	2.230120273	0
EFCAB14	EFCAB14	9143.85114	8227.622045	10599.76166	
9059.280939					
COBL	COBL	0	0	2.942280266	
TTC19	TTC19	3690.665823	3082.057006	4053.243595	
3602.331806					
DYRK3	DYRK3	584.3814639	641.7650836	446.0240545	
457.0342013					
C12orf79	C12orf79		43.75048393	24.64941336	
424.8379119	289.3242262				
GUCD1	GUCD1	7536.541695	8129.904728	6951.284889	
7786.254344					
EPB41L4A-AS1	EPB41L4A-AS1		189.5854303	173.4262297	

394.7312882	272.6513047			
LINC01358	LINC01358		91.66768061	113.5633687
82.51445008	49.03800443			
GNRHR GNRHR	13.54181645		19.36739621	21.18614259
7.846080709				
RGMB RGMB	28.12531109		38.73479242	314.4469584
81.40308736				
CHAC2 CHAC2	2403.151581		1599.57086	1344.762524
1265.180514				
CCNA2 CCNA2	19168.96203		18971.24493	9902.84907
13529.58542				
WDR11-AS1	WDR11-AS1		8.33342551	14.96571525
14.49578177	6.865320621			
VAV2 VAV2	369.795757		390.869269	396.9614085
433.4959592				
TMEM86A TMEM86A	45.8338403		53.70050768	103.7005927
45.11496408				
LINC00167	LINC00167		57.29230038	28.17075813
82.51445008	46.09572417			
CNGB3 CNGB3	0 0		1.115060136	0
NSUN3 NSUN3	1092.72042		694.585255	921.0396726
795.3964319				
ZNF561 ZNF561	708.3411683		678.7392036	1136.246279
1033.721133				
SRGAP2C SRGAP2C	643.7571206		705.1492893	547.4945269
439.3805197				
ZNF449 ZNF449	209.3773159		159.3408507	327.8276801
282.4589055				
ZCCHC5 ZCCHC5	0 1.760672383		0	0
SAMD9L SAMD9L	10098.02836		5900.893491	11301.13448
5722.735117				
NUP107 NUP107	10737.61877		8763.746786	7717.331203
9200.510392				
TADA2B TADA2B	346.8788368		432.24507	357.9343037
220.67102				
KAZALD1 KAZALD1	6.250069132		5.282017149	4.460240545
1.961520177				
MSL2 MSL2	1960.438351		3057.407593	3037.423811
2919.722784				
PNP0 PNP0	4162.546042		3217.62878	3567.077376
3989.732041				
TMEM176A	TMEM176A		0 0	4.460240545
2.942280266				
SPEF2 SPEF2	61.45901313		80.11059342	214.0915462
201.0558182				
HPDL HPDL	505.2139215		476.2618796	480.5909187
611.9942953				
NUTM2D NUTM2D	8.33342551		0.880336191	4.460240545
SOX2-OT SOX2-OT	3.125034566		1.760672383	18.95602232
0.980760089				0

MIR6822	MIR6822	0	0	1.115060136	0	
MIR5588	MIR5588	0	1.760672383	0	0	
SYNGR2	SYNGR2	17476.23497		10225.9852		13743.11618
		13426.60561				
TNFRSF11B	TNFRSF11B		0	0	7.805420954	0
FAM127B	FAM127B	459.3800812		633.8420578		684.6469237
		817.9539139				
PRR22	PRR22	44.79216211		56.34151625		32.33674395
		43.1534439				
ZNF277	ZNF277	506.2555997		527.3213787		783.8872758
		628.6672168				
EPS8L1	EPS8L1	14.58349464		72.1875677		15.61084191
		37.26888337				
NUDCD2	NUDCD2	3962.54383		5099.787557		3270.47138
		4583.091894				
FAM222A	FAM222A	62.50069132		58.10218863		138.2674569
		61.78788559				
ZNF587	ZNF587	690.6326391		637.3634026		818.45414
		796.377192				
ATOH8	ATOH8	5.208390943		9.683698106	0	7.846080709
TMEM87B	TMEM87B	1209.388377		1978.115422		1437.312516
		1451.524931				
UBALD1	UBALD1	148.959981		311.6390118		122.656615
		194.1904976				
ASRGL1	ASRGL1	541.6726581		455.133811		359.0493639
		203.9980984				
AIFM2	AIFM2	1610.43448		1390.931182		1200.919767
		1048.432535				
CIRH1A	CIRH1A	13375.14794		7474.054265		10924.24416
		10500.01751				
TIPIN	TIPIN	3710.457708		3245.799538		2449.787119
		2793.204733				
TXNL4B	TXNL4B	2319.817326		1510.656905		2311.519662
		1736.926117				
PRPF38B	PRPF38B	2803.156006		3384.892656		3264.896079
		3017.798793				
IARS2	IARS2	9577.189267		8832.413009		7310.334253
		9381.951008				
SUPT16H	SUPT16H	23021.08797		19845.41876		19092.05965
		22023.94855				
PPP1R13B	PPP1R13B			192.7104649		326.604727
		516.2728431		453.111161		
TMEM186	TMEM186	993.760992		1046.719732		1000.208942
		1109.23966				
CNDP1	CNDP1	0	2.641008574	0	7.846080709	
RAPSN	RAPSN	6.250069132		0.880336191		1.115060136
		4.903800443				
WNT5B	WNT5B	316.6701694		1120.667972		12.2656615
		537.4565286				
SLC41A1	SLC41A1	1344.806542		1811.731882		2426.370857

1984.077659						
FAM227B	FAM227B	182.293683		166.3835402		236.3927489
201.0558182						
NPAS4	NPAS4	0	0.880336191	0	0	
LPPR3	LPPR3	0	0	0	4.903800443	
LOC100144595	LOC100144595	0	0	0	0	1.115060136
PLEKHH2	PLEKHH2	28.12531109		24.64941336		14.49578177
54.92256497						
ZAR1	ZAR1	0	0	0	1.961520177	
HERPUD2	HERPUD2	2277.10852		2398.035785		3458.916543
2677.475042						
CRIM1	CRIM1	56.25062219		153.1784973		101.4704724
73.55700665						
SIRT7	SIRT7	2573.986804		1846.064993		2050.595591
2056.653906						
ANKRD20A4	ANKRD20A4			4.166712755		16.72638764
13.38072164	8.826840798					
APLN	APLN	0	0	0	17.6536816	
COL5A1	COL5A1	1.041678189		2.641008574	0	21.57672195
ZMYND12	ZMYND12	6.250069132		29.05109432		85.85963049
34.3266031						
TMEM14C	TMEM14C	2756.280487		3565.361575		2954.909361
3515.044158						
G6PC3	G6PC3	1106.262236		1346.914373		1214.300488
1187.700467						
FRG1B	FRG1B	332.2953422		789.6615637		492.8565802
733.6085463						
HOXB-AS3	HOXB-AS3			8.33342551		12.32470668
7.805420954	4.903800443					
PITPNA-AS1	PITPNA-AS1			422.9213446		390.869269
471.6704376	393.2847956					
DTL	DTL	9961.568519		10618.61514		5605.407305
7009.492354						
CEP170P1	CEP170P1			1.041678189	0	0
2.942280266						
SLC25A5-AS1	SLC25A5-AS1			5791.730729		4504.680292
3894.905056	4413.420399					
TSNAX-DISC1	TSNAX-DISC1			1734.394184		1521.220939
2171.022085	1864.424929					
CYP2B7P	CYP2B7P	0	0.880336191	0		7.846080709
MRPS27	MRPS27	6084.4423		4117.332367		5143.772409
5036.203055						
FCRLB	FCRLB	9.375103698		5.282017149		17.84096218
10.78836098						
GRASP	GRASP	54.16726581		22.88874098		245.31323
157.9023743						
GPR176	GPR176	0	7.923025723	16.72590204		11.76912106
PDE1A	PDE1A	1.041678189	0	0		2.942280266
TMEM200B	TMEM200B			95.83439336		305.4766584
210.7463658	205.9596186					

HMGXB4	HMGXB4	1418.765693	1715.775237	1355.913126
1309.314718				
PRRG4	PRRG4	237.502627	286.1092622	157.2234792
93.17220842				
UNC5A	UNC5A	6.250069132	14.08537906	0 1.961520177
PAQR8	PAQR8	1052.094971	601.2696188	2825.562385
1777.137281				
TWISTNB	TWISTNB	3590.664716	3330.311812	3277.16174
3405.199028				
FAM102B	FAM102B	667.715719	588.9449121	1262.248074
865.0303982				
PROX1	PROX1	5.208390943	0.880336191	0 2.942280266
OR3A2	OR3A2	75.00082959	44.89714576	44.60240545
44.13420399				
LRP6	LRP6	25.00027653	95.95664487	198.4807043
290.3049862				
KRBOX1	KRBOX1	1.041678189	5.282017149	12.2656615
4.903800443				
CYBA	CYBA	16837.68624	16665.64444	6898.877063
10665.76596				
TPD52L1	TPD52L1	0 1.760672383	23.41626286	41.19192372
PDZD3	PDZD3	0 4.401680957	0	4.903800443
DSPP	DSPP	2.083356377	0 0	0
CHCHD3	CHCHD3	5626.103897	4147.263798	4321.973088
4564.457453				
ZNF34	ZNF34	326.0452731	169.0245488	470.5553775
355.0351521				
CYB5B	CYB5B	11567.83629	10949.62155	7265.731848
8789.571915				
MAP6	MAP6	48.95887487	159.3408507	6.690360818
8.826840798				
RAI1	RAI1	248.9610871	838.0800542	684.6469237
668.8783805				
C1orf74	C1orf74	368.7540788	345.091787	446.0240545
378.5733942				
ZNF569	ZNF569	653.1322243	451.6124662	853.0210042
543.3410891				
LOC101926935	LOC101926935	1.041678189	5.282017149	
103.7005927	13.73064124			
LINC00087	LINC00087	0	3.521344766	5.575300681
6.865320621				
FAM110C	FAM110C	88.54264604	455.133811	16.72590204
55.90332505				
ZMAT1	ZMAT1	26.04195472	12.32470668	124.8867353
146.1332532				
ARG1	ARG1	7.291747321	2.641008574	1.115060136
5.884560532				
PPP1R3B	PPP1R3B	288.5448583	716.5936598	558.6451283
1073.932297				
APOC1	APOC1	2.083356377	5.282017149	6.690360818

1.961520177				
DHODH DHODH	1328.139691	775.5761847	973.447499	
1155.335384				
C6orf147	C6orf147	277.0863982	378.5445623	
150.5331184	223.6133002			
OVCH1 OVCH1	38.54209298	42.25613719	8.92048109	
27.46128248				
RINL RINL	2660.446094	2702.632108	2075.126914	
3007.010432				
CBLN2 CBLN2	0 0	0 0.980760089		
SRPK2 SRPK2	2104.189941	2268.626365	1684.855866	
1562.350821				
PTGER4P2-CDK2AP2P2	PTGER4P2-CDK2AP2P2	0	7.042689532	
0	0.980760089			
LINC00598	LINC00598	4.166712755	1.760672383	
1.115060136	4.903800443			
HLCS HLCS	564.5895783	688.4229017	836.2951022	
932.7028443				
RABGGTB RABGGTB	1502.099948	1284.410503	1633.5631	
1479.966974				
DNLZ DNLZ	1058.34504	384.7069157	1255.557713	
581.5907326				
RAB13 RAB13	15.62517283	116.2043773	75.82408927	
81.40308736				
LOC391322	LOC391322	45.8338403	89.79429153	
52.4078264	167.7099752			
SLC25A39	SLC25A39	10091.77829	7281.260639	
8019.5125	8894.513244			
RPP25L RPP25L	969.8023937	1069.608473	925.4999131	
1193.585028				
ALOX15 ALOX15	2.083356377	0.880336191	0 0	
CEP57 CEP57	4550.050328	4553.979118	3997.490589	
4681.167903				
PTGIS PTGIS	1331.264725	1429.665975	120.4264947	
256.9591432				
TBXA2R TBXA2R	136.4598427	147.8964802	27.87650341	
51.9802847				
ARID1B ARID1B	1189.596491	2925.357164	1700.466708	
2151.787635				
COMMD8 COMMD8	3203.16043	2574.98336	2736.357574	
2491.130625				
VPS8 VPS8	2876.073479	3155.12491	2367.272669	
2476.419224				
GOLGA8H GOLGA8H	30.20866747	20.2477324	3.345180409	
18.63444168				
USH1G USH1G	1.041678189	0 0	0	
PDSS2 PDSS2	1355.223324	1106.582593	887.5878685	
1213.20023				
WDR45B WDR45B	3592.748073	2903.348759	3888.214695	
3714.138456				

CPXM1	CPXM1	13.54181645	29.93143051	12.2656615	
39.23040355					
FOS	FOS	552.08944	334.5277527	860.8264252	
1007.240611					
IL21	IL21	63.54236951	358.2968299	121.5415549	
276.574345					
SEPHS2	SEPHS2	12559.51392	9252.333372	7959.299253	
8671.880704					
FBX03	FBX03	1893.770947	1346.034037	1910.098013	
1733.983837					
TUT1	TUT1	2794.82258	1823.176252	4155.829128	
3131.566963					
SMIM10	SMIM10	33.33370204	56.34151625	14.49578177	
39.23040355					
ALDH1L2	ALDH1L2	13.54181645	24.64941336	18.95602232	
36.28812328					
GCNT4	GCNT4	13.54181645	10.5640343	91.43493117	
81.40308736					
TIMMDC1	TIMMDC1	6012.566505	4790.789554	4427.903801	
5014.626333					
ATF6	ATF6	4755.260931	3626.104773	4869.467615	
4753.74415					
SLC2A9	SLC2A9	45.8338403	15.84605145	47.94758586	
14.71140133					
SNORD116-2	SNORD116-2		2.083356377	0.880336191	
3.345180409	0.980760089				
SNORD116-1	SNORD116-1		0	1.115060136	0
IFITM5	IFITM5	0	0	0.980760089	
SAMD5	SAMD5	0	0	3.923040355	
NHLH2	NHLH2	0	0	6.690360818	0.980760089
PRPH2	PRPH2	0	7.042689532	7.805420954	11.76912106
PINK1	PINK1	868.7596094	862.7294676	2281.413039	
1532.928019					
CP	CP	709.3828465	599.5089464	660.1156007	
651.2246989					
8-Mar	8-Mar	389.5876426	814.3109771	1671.475144	
921.9144833					
LYPD3	LYPD3	65.62572589	66.90555055	313.3318983	
301.0933472					
CDK13	CDK13	1839.603681	2313.523511	2455.36242	
2233.190722					
TIMM10B	TIMM10B	2393.776478	2290.63477	3960.693604	
3263.969575					
DNAJB8-AS1	DNAJB8-AS1		0	0.880336191	0
LOC100506801	LOC100506801		77.08418596	82.751602	
78.05420954	107.8836098				
STX18-AS1	STX18-AS1		68.75076045	98.59765344	
65.78854804	160.8446545				
LINC01426	LINC01426		1.041678189	0	16.72590204
3.923040355					

LOC100131047	LOC100131047	0	0	2.230120273	0
LOC728084	LOC728084	40.62544936		8.803361914	
3.345180409	3.923040355				
TXNRD3NB	TXNRD3NB	6.250069132		24.64941336	
47.94758586	52.96104479				
MAMDC2	MAMDC2	0	1.760672383	0	4.903800443
MAPKAPK2	MAPKAPK2	166.6685102		1272.085797	
168.3740806	196.1520177				
CATSPERB	CATSPERB	7.291747321		13.20504287	
6.690360818	12.74988115				
PLEKH01	PLEKH01	2696.904831	2111.926523	2057.285951	
1478.005454					
WEE1	WEE1	5476.102238	5868.321052	3197.992471	
4830.243437					
XP01	XP01	6344.861847	13942.7646	8548.051005	
8406.09472					
SNORD91B	SNORD91B	2.083356377		0.880336191	0
2.942280266					
RPL13AP3	RPL13AP3	0	2.641008574	10.03554123	
0.980760089					
SNORD91A	SNORD91A	6.250069132		7.042689532	
6.690360818	2.942280266				
GTF2IRD1P1	GTF2IRD1P1	431.2547701		658.4914712	
613.2830749	696.339663				
SNORD90	SNORD90	2.083356377	0.880336191	2.230120273	0
SNORA37	SNORA37	1.041678189	0	4.460240545	3.923040355
SNORA36A	SNORA36A	1.041678189		1.760672383	
8.92048109	0.980760089				
SNORD89	SNORD89	22.91692015	55.46118006	22.30120273	
22.55748204					
SNORD88C	SNORD88C	6.250069132		9.683698106	
1.115060136	1.961520177				
SNORD88B	SNORD88B	41.66712755		80.11059342	
61.32830749	58.84560532				
S100P	S100P	321.8785603	158.4605145	109.2758934	
38.24964346					
S100A2	S100A2	27.08363291	41.375801	6.690360818	
40.21116364					
ZNF677	ZNF677	67.70908227	39.61512861	192.9054036	
150.0562936					
SLC26A8	SLC26A8	7.291747321	7.923025723	7.805420954	
2.942280266					
FAM154A	FAM154A	1.041678189	0.880336191	0	12.74988115
TRIM74	TRIM74	5.208390943	9.683698106	5.575300681	
8.826840798					
SIAH3	SIAH3	1.041678189	3.521344766	18.95602232	
19.61520177					
PHLDB3	PHLDB3	176.0436139	126.7684116	316.6770787	
171.6330155					
FUNDC1	FUNDC1	964.5940027	615.3549978	871.9770266	

422.7075982				
FAM120A0S	FAM120A0S	5002.138662	3466.763922	
4019.791791	4115.269332			
APOBEC3A_B	APOBEC3A_B	604.1733494	936.6777077	
241.9680496	375.631114			
NOBOX NOBOX	0 2.641008574	0	0	
USP21 USP21	1719.81069	1857.509364	2042.79017	
1912.482173				
UCK2 UCK2	7138.620627	6034.704592	4876.157976	
5286.296878				
TXN2 TXN2	10302.19729	7715.266382	6891.071642	
8154.039377				
GAS2L3 GAS2L3	42.70880574	46.65781815	37.91204463	
27.46128248				
ST6GALNAC4	ST6GALNAC4	762.5084341	968.3698106	
737.0547501	774.80047			
TAS2R14 TAS2R14	15.62517283	22.88874098	18.95602232	
23.53824213				
FERMT1 FERMT1	3.125034566	7.042689532	2.230120273	
0.980760089				
BAP1 BAP1	1436.474222	3777.522597	1716.07755	
1686.907353				
MLANA MLANA	5.208390943	22.00840479	6.690360818	
17.6536816				
ANAPC4 ANAPC4	4430.257337	3050.364903	2789.880461	
3461.102353				
ABL1 ABL1	971.8857501	2419.163854	1333.611923	
1306.372438				
BAZ2B BAZ2B	582.2981075	557.2528092	709.1782467	
674.762941				
LRRCC1 LRRCC1	410.4212063	850.4047609	371.3150254	
692.4166226				
ZNF691 ZNF691	508.3389561	599.5089464	674.6113824	
636.5132975				
ARHGEF38	ARHGEF38	0	2.641008574	8.92048109
	2.942280266			
CDKAL1 CDKAL1	4193.796388	3067.971627	3642.901465	
3244.354373				
TBC1D22B	TBC1D22B	1334.38976	1677.040445	
1189.769165	1095.509019			
GATAD2A GATAD2A	3198.993717	4572.466178	3006.202127	
3372.833945				
MIR1233-2	MIR1233-2	1.041678189	0	0
IFIH1 IFIH1	4516.716626	2360.181329	9577.25151	0
3755.33038				
XYLT2 XYLT2	1118.762375	1082.813515	1087.183633	
707.1280239				
FAM208B FAM208B	1621.89294	2256.301659	2678.374447	
2115.499511				
MOSPD2 MOSPD2	1097.928811	1162.924109	1134.016159	

1459.371012					
REG1A	REG1A	1.041678189	0	5.575300681	0
PEPD	PEPD	3540.664163	2369.865027	4116.802023	
3836.733467					
CCDC175	CCDC175	83.3342551	54.58084387	57.98312709	
56.88408514					
ATP2B1	ATP2B1	1927.104649	1814.372891	2419.680496	
2124.326352					
TAF8	TAF8	1607.309445	1658.553385	1956.930539	
1793.810202					
IRAK2	IRAK2	1484.391419	1079.292171	655.6553601	
845.4151964					
KCNV2	KCNV2	0	0.880336191	0	1.961520177
SRFBP1	SRFBP1	1084.386994	840.7210628	1344.762524	
1264.199754					
SSTR3	SSTR3	125.0013826	262.340185	1198.689646	
545.3026093					
MB	MB	16.66685102	120.6060582	139.382517	
344.2467911					
FBXL22	FBXL22	23.95859834	16.72638764	81.39938995	
32.36508293					
CDIPT	CDIPT	3890.668035	3085.578351	3948.427943	
3468.948434					
TASP1	TASP1	845.8426892	633.8420578	834.0649819	
807.165553					
LOC100131564	LOC100131564		523.9641289	492.107931	
734.8246298	842.4729162				
SLC22A9	SLC22A9	0	0	1.961520177	
SUDS3	SUDS3	2693.779796	2820.597157	2757.543717	
2237.113762					
ARMCX1	ARMCX1	17.70852921	19.36739621	49.062646	
35.30736319					
OR1K1	OR1K1	0	4.401680957	0	1.961520177
MCMBP	MCMBP	17581.44447	14833.66483	13118.6825	
13769.87164					
MUC16	MUC16	1.041678189	0.880336191	1.115060136	
12.74988115					
KIAA0101	KIAA0101		6755.283054	9641.441969	
3245.940057	3868.11779				
EPHA7	EPHA7	0	0	2.942280266	
NAT2	NAT2	0	0	8.826840798	
XPOT	XPOT	14329.32516	11280.62796	15439.12265	
13030.37854					
LIN28A	LIN28A	0	0.880336191	0	5.884560532
OGFRL1	OGFRL1	429.1714137	518.5180168	183.9849225	
349.1505916					
TNFAIP8L2	TNFAIP8L2		1708.352229	1362.760424	
1076.033031	1291.661037				
NDNF	NDNF	1.041678189	22.88874098	0	21.57672195
HRG	HRG	1.041678189	1.760672383	0	0

CFTR	CFTR	0	0.880336191	1.115060136	0
GUCA1A	GUCA1A	0	0	2.942280266	
TEX22	TEX22	3.125034566	14.96571525	10.03554123	
11.76912106					
C19orf81	C19orf81	0	0.880336191	2.230120273	
	4.903800443				
OXLD1	OXLD1	932.3019789	946.3614058	864.1716056	
1186.719707					
ANKRD20A5P	ANKRD20A5P		91.66768061	159.3408507	
119.3114346	131.4218519				
LOC285762	LOC285762		2.083356377	1.760672383	0
	0.980760089				
NDRG3	NDRG3	3825.042309	3622.583428	2482.123863	
3423.83347					
ANKS3	ANKS3	397.9210681	328.3653994	380.2355065	
405.0539166					
FBX043	FBX043	202.0855686	315.1603565	129.3469758	
261.8629437					
ADM5	ADM5	57.29230038	30.8117667	15.61084191	
54.92256497					
AN09	AN09	340.6287677	380.3052347	346.7837024	
488.4185242					
AIM1L	AIM1L	54.16726581	53.70050768	15.61084191	
50.01876452					
SPINK4	SPINK4	1.041678189	5.282017149	0	0
RBMXL2	RBMXL2	1.041678189	0.880336191	0	0
JAZF1	JAZF1	86.45928966	153.1784973	168.3740806	
316.7855086					
FOXN4	FOXN4	3.125034566	0	0	0
ZNF517	ZNF517	43.75048393	50.17916291	64.6734879	
46.09572417					
ADAMTSL5	ADAMTSL5		83.3342551	60.74319721	
108.1608332	170.6522554				
LYPD6B	LYPD6B	0	9.683698106	0	0
TMED8	TMED8	492.7137833	677.8588674	402.5367092	
529.6104479					
PLAT	PLAT	396.8793899	190.1526174	311.101778	
316.7855086					
RPS26	RPS26	11823.04744	12037.71708	12485.32835	
9305.451721					
RPS25	RPS25	21377.31979	24152.90375	37768.20188	
29861.20242					
ABCB1	ABCB1	562.5062219	649.6881093	1058.192069	
985.6638891					
FANCD2	FANCD2	4333.381265	5797.013821	2993.936466	
3907.348193					
KRT222	KRT222	0	4.401680957	0	0
IGSF3	IGSF3	71.87579502	127.6487478	36.7969845	
70.61472638					
KRTAP29-1	KRTAP29-1	0	0.880336191	17.84096218	

	0					
HCG8	HCG8	0	3.521344766	0	10.78836098	
BMPR1A	BMPR1A	515.6307034		470.0995262	515.157783	
		587.4752931				
TRANK1	TRANK1	361.4623315		996.5405687	3025.15815	
		1101.39358				
ZNF432	ZNF432	255.2111562		184.8706002	417.032491	
		340.3237508				
KCNA4	KCNA4	1.041678189		0	0	0
MZB1	MZB1	1137.512582		1887.440794	212.976486	
		653.1862191				
BNIP2	BNIP2	10470.94915		8389.603904	9231.582868	
		7387.084988				
PRKD3	PRKD3	2145.857069		2814.434804	2767.579258	
		3567.024442				
GTF2F2	GTF2F2	1710.435586		1475.443457	1568.889612	
		1480.947734				
SMG5	SMG5	6349.02856		6520.65017	7882.360103	
		6830.994018				
ALG5	ALG5	3746.916445		3344.397191	2720.746732	
		2689.244163				
C5orf52	C5orf52	23.95859834		11.44437049	12.2656615	0
C1orf50	C1orf50	948.9688299		780.8582018	1022.510145	
		796.377192				
WHAMM	WHAMM	266.6696163		259.6991765	934.4203942	
		413.8807574				
TESPA1	TESPA1	6509.447001		4824.242329	9575.02139	
		8602.246738				
EVI5L	EVI5L	92.70935879		273.7845555	253.1186509	
		144.171733				
PARG	PARG	1558.35057		1348.675045	1398.285411	
		1550.5817				
RHOA	RHOA	45242.16709		40211.11622	35287.19307	
		36246.93136				
GSTT1	GSTT1	147.9183028		247.3744698	182.8698623	
		367.7850333				
AKIP1	AKIP1	2006.272191		1157.642092	1565.544431	
		1432.89049				
NOM01	NOM01	5501.102515		3518.703757	3784.514102	
		3076.644398				
GUSB	GUSB	5891.731835		4866.498466	3724.300855	
		4510.515648				
GUCY2D	GUCY2D	0	0	0	0.980760089	
NDN	NDN	102.0844625		377.6642261	44.60240545	
		190.2674572				
NGFR	NGFR	2.083356377		3.521344766	27.87650341	
		0.980760089				
ZNF580	ZNF580	735.4248012		1076.651162	486.1662194	
		631.6094971				
DPM3	DPM3	287.5031801		528.2017149	296.6059962	

326.5931095				
BCAP29 BCAP29	3051.075415	1886.560458	1914.558254	
1490.755335				
SNTG2 SNTG2	1.041678189	1.760672383	0	17.6536816
ZNF664-FAM101A	ZNF664-FAM101A	59.37565676	91.55496391	
68.01866831	55.90332505			
ASIC3 ASIC3	2.083356377	0.880336191	20.07108245	
7.846080709				
DCP2 DCP2	3404.204321	6282.959398	2920.342497	
3030.548674				
RILPL1 RILPL1	135.4181645	117.0847135	121.5415549	
225.5748204				
GGTLC1 GGTLC1	0 0	0 0.980760089		
KIF14 KIF14	2959.407734	3774.881589	1128.440858	
1827.156045				
RAB3A RAB3A	28.12531109	73.94824008	30.10662368	
51.9802847				
RAB2A RAB2A	5631.312288	4263.468175	5651.124771	
5090.14486				
FBX022 FBX022	4609.425985	2800.349425	3502.403888	
3181.585728				
TEN1-CDK3	TEN1-CDK3	929.1769443	758.849797	
731.4794494	549.2256497			
MAP1A MAP1A	1105.220558	198.0756431	323.3674395	
158.8831344				
TRIM16 TRIM16	1143.762651	2542.410921	475.015618	
812.0693534				
ZNF337 ZNF337	908.3433805	908.5069496	1399.400471	
1417.198328				
KIAA1671	KIAA1671	820.8424127	1088.975869	
774.9667947	401.1308763			
C14orf80	C14orf80	2240.649784	1870.714407	
1566.659491	1592.754384			
NAT1 NAT1	901.0516332	909.3872858	604.3625939	
627.6864567				
ARRDC3 ARRDC3	972.9274282	846.00308	12523.24039	
2797.127773				
RIMBP3 RIMBP3	29.16698928	53.70050768	138.2674569	
111.8066501				
PCDHB5 PCDHB5	0 0	0 3.923040355		
HIPK2 HIPK2	384.3792516	1152.360075	919.9246124	
1006.259851				
TNNI3K TNNI3K	11.45846008	7.042689532	22.30120273	
34.3266031				
UTP23 UTP23	1554.183858	1377.72614	1923.478735	
1522.139658				
C9orf156	C9orf156	1570.850709	1154.120747	
1439.542636	1082.759138			
LOC100130705	LOC100130705	0	9.683698106	1.115060136
1.961520177				

RPTOR	RPTOR	1631.268044	2540.650248	1154.087241
1173.969826				
FMOD	FMOD	32.29202385	17.60672383	26.76144327
38.24964346				
DDB1	DDB1	23309.63283	23945.14441	19791.20236
21908.21886				
OSBPL1A	OSBPL1A	20.83356377	183.990264	37.91204463
187.3251769				
MAML1	MAML1	1173.971319	2022.132232	1523.172146
1441.71733				
SPCS2	SPCS2	8948.015641	6843.733552	7079.516805
6412.20946				
ZNRF2P1	ZNRF2P1	7.291747321	51.0594991	15.61084191
50.99952461				
FAM171A1	FAM171A1		409.3795282	176.0672383
702.4878858	569.8216115			
PTPMT1	PTPMT1	5794.855764	4867.378802	4509.303191
4806.705195				
KIF18B	KIF18B	1770.852921	3702.694021	1103.909535
1415.236808				
NAB1	NAB1	728.1330539	1618.938256	730.3643893
1274.007355				
CDR2L	CDR2L	6.250069132	40.49546481	7.805420954
15.69216142				
ROB01	ROB01	8.33342551	48.41849053	52.4078264
30.40356275				
MIPEP	MIPEP	1584.392525	1005.343931	1349.222765
1259.295954				
SLC5A2	SLC5A2	469.7968631	439.2877595	469.4403174
627.6864567				
LOC102723617	LOC102723617		0	0
CCDC125	CCDC125	328.1286294	616.235334	405.8818896
607.0904949				
ZDHHC17	ZDHHC17	1331.264725	1684.083134	1300.160119
1765.36816				
PCDHGB5	PCDHGB5	19.79188559	9.683698106	71.36384872
12.74988115				
RBM20	RBM20	2.083356377	6.16235334	17.84096218
8.826840798				
ZNF584	ZNF584	703.1327774	462.1765005	1112.830016
968.0102075				
TSTD2	TSTD2	1690.6437	1643.587669	2226.775092
2150.806874				
LRRC70	LRRC70	28.12531109	45.77748195	17.84096218
14.71140133				
BTBD16	BTBD16	0	0	2.230120273
ENKUR	ENKUR	0	1.760672383	2.230120273
RAC2	RAC2	41601.50182	38498.86232	20277.36858
32278.77604				
VPS33A	VPS33A	5101.09809	4290.758597	4053.243595

3932.847956					
BTG4	BTG4	4.166712755	0.880336191	0	4.903800443
ZC3H7B	ZC3H7B	277.0863982	595.9876016	257.5788915	
370.7273135					
RNF144B	RNF144B	28.12531109	56.34151625	221.8969671	
117.6912106					
MFSD12	MFSD12	3079.200726	2629.564204	2896.926234	
3455.217792					
LINC00672	LINC00672		35.41705842	33.45277527	
30.10662368	40.21116364				
LOC101929743	LOC101929743		0	0.880336191	0
MAPK8IP2	MAPK8IP2		5.208390943	4.401680957	0
10.03554123	2.942280266				
ZNF75D	ZNF75D	741.6748704	817.8323218	1381.559509	
1236.738472					
MED1	MED1	3070.8673	3653.395194	2844.518408	
2961.895468					
PTPN21	PTPN21	3.125034566	0	0	0
DKK4	DKK4	0	0	1.961520177	
ZBTB11	ZBTB11	2515.652826	3093.501377	3426.579799	
3183.547248					
CERS4	CERS4	427.0880574	385.5872518	627.7788567	
550.2064097					
SUV420H1	SUV420H1		2350.025994	2185.874763	
2719.631672	2562.726112				
ABRA	ABRA	3.125034566	3.521344766	0	7.846080709
ICE2	ICE2	4628.176192	3884.923613	4213.812255	
3951.482397					
SPATS2	SPATS2	633.3403387	801.1059342	243.0831097	
513.9182865					
ANAPC1	ANAPC1	7067.78651	8841.216371	7216.669202	
7947.098998					
LMNTD2	LMNTD2	16.66685102	42.25613719	50.17770613	
36.28812328					
AIP	AIP	10045.94445	8408.090964	6776.220448	
8255.057666					
CRYBB3	CRYBB3	2.083356377	0	5.575300681	1.961520177
CRY1	CRY1	2714.61336	2535.368231	3617.255082	
2995.241311					
LIPG	LIPG	2.083356377	0.880336191	3.345180409	
8.826840798					
AKR1B1	AKR1B1	10971.99636	10644.14489	6060.351841	
8094.213012					
RABAC1	RABAC1	2094.814837	1800.287511	2534.53169	
2103.73039					
WBP1	WBP1	1014.594556	1247.436383	761.5860731	
782.6465508					
RCC2	RCC2	6296.944651	14527.30783	5522.892855	
7534.199001					
FSD1L	FSD1L	256.2528344	203.3576602	244.1981698	

235.3824213				
TIMP2	TIMP2	2.083356377	34.33311147	1.115060136
8.826840798				
NPRL2	NPRL2	3670.873937	2422.685199	3199.107531
3239.450573				
HSPD1	HSPD1	47202.60544	32081.21149	44012.53864
43843.899				
STX2	STX2	1727.102437	1171.727471	1034.775806
1156.316145				
DNAJC25-GNG10	DNAJC25-GNG10	2795.864258	2297.67746	
1833.158864	1960.539417			
UCHL1	UCHL1	159.3767629	82.751602	90.31987104
49.03800443				
TPH1	TPH1	4.166712755	2.641008574	14.49578177
3.923040355				
CHERP	CHERP	2389.609765	3846.18882	2836.712987
2605.879556				
RGS9BP	RGS9BP	3.125034566	2.641008574	5.575300681
5.884560532				
OR10W1	OR10W1	0	0	0.980760089
UBE2M	UBE2M	2128.14854	3539.831826	1974.771501
1939.943455				
KCNC3	KCNC3	2.083356377	7.042689532	10.03554123
7.846080709				
CNTN2	CNTN2	0	2.641008574	3.345180409
SELE	SELE	1.041678189	0	0
LOC100130872	LOC100130872	117.7096353	357.4164937	
105.9307129	191.2482173			
ZGRF1	ZGRF1	1340.639829	2385.711079	825.1445008
1555.485501				
SCN3B	SCN3B	9.375103698	5.282017149	1.115060136
0.980760089				
SOX18	SOX18	34.37538023	18.48706002	3.345180409
16.67292151				
PIGZ	PIGZ	8.33342551	46.65781815	13.38072164
23.53824213				
PARM1	PARM1	2.083356377	1.760672383	0
NPDC1	NPDC1	879.1763913	1583.724808	11.76912106
721.8394253				
CD1C	CD1C	0	33.45277527	0
CSNK1E	CSNK1E	1359.390036	1824.936925	28.44204257
1597.658184				1265.593255
CTNNA1	CTNNA1	4682.343458	3724.702426	3920.551439
4267.287146				
SLC25A15	SLC25A15	1532.308616	1375.085131	
1549.933589	1691.811153			
LTK	LTK	117.7096353	146.1358078	10.03554123
40.21116364				
PTS	PTS	1477.099672	1227.188651	1310.19566
1029.798093				

MY09A MY09A	670.8407535	858.3277867	1353.683005	
1161.219945				
CD160 CD160	48.95887487	43.13647338	114.851194	
34.3266031				
HOXB3 HOXB3	12.50013826	66.02521436	13.38072164	
12.74988115				
EFNA5 EFNA5	0 1.760672383	4.460240545	2.942280266	
GCLM GCLM	3675.04065	2481.667724	3474.527385	
1609.427306				
FH FH	6155.276417	5823.423906	3997.490589	
4718.436787				
EEF1G EEF1G	25540.90751	19689.59926	24653.97961	
23709.87514				
PRR19 PRR19	653.1322243	637.3634026	594.3270526	
727.7239858				
FAM179A FAM179A	512.5056688	361.8181747	111.5060136	
237.3439415				
TXNDC12 TXNDC12	9021.974792	7257.491562	7369.432441	
6712.322047				
MIR4657 MIR4657	25.00027653	45.77748195	34.56686422	
33.34584301				
MIR4656 MIR4656	2.083356377	2.641008574	2.230120273	0
MIR4647 MIR4647	525.0058071	397.0316223	308.8716577	
356.9966723				
MIR4644 MIR4644	2.083356377	0.880336191	0 8.826840798	
OCEL1 OCEL1	289.5865365	367.980528	498.4318809	
427.6113987				
CCDC30 CCDC30	9.375103698	3.521344766	0 11.76912106	
CYP2C18 CYP2C18	6.250069132	6.16235334	23.41626286	
46.09572417				
SNCG SNCG	0 0	1.115060136	0	
SNCB SNCB	0 4.401680957	1.115060136	5.884560532	
CCL5 CCL5	4570.883892	5080.420161	3698.654472	
5769.811602				
CCL4 CCL4	4436.507406	16975.52278	4110.111662	
21210.89844				
KLRB1 KLRB1	220.835776	108.2813515	195.1355238	
271.6705446				
C19orf44	C19orf44	943.760439	1292.333529	
1156.317361	994.4907299			
NLRC5 NLRC5	5478.185594	7935.35043	10598.6466	
8521.82441				
GRK7 GRK7	2.083356377	1.760672383	0 0	
SYDE2 SYDE2	50.00055306	23.76907717	252.0035908	
179.4790962				
BBS2 BBS2	654.1739025	713.9526513	1977.001622	
1540.774099				
EMILIN2 EMILIN2	595.8399239	452.4928024	645.6198189	
634.5517774				
STK11IP STK11IP	1698.977126	1634.784308	1146.28182	

1393.660086					
DPY19L2	DPY19L2	0	12.32470668	1.115060136	26.48052239
DIP2C	DIP2C	11.45846008	33.45277527	267.6144327	
50.99952461					
ZNF296	ZNF296	255.2111562	181.3492554	191.7903434	
207.9211388					
SLC2A3	SLC2A3	15003.29095	14471.84665	11607.77602	
16381.63576					
OMP	OMP	0	0	1.115060136	0
NAA50	NAA50	16646.01746	12434.7487	13697.39871	
12846.9764					
LYAR	LYAR	3386.495791	2884.861699	3162.310546	
2826.550576					
MKRN2	MKRN2	5561.519849	3553.917205	5323.297091	
4410.478119					
DEFB132	DEFB132	0	2.641008574	0	0
LAMP3	LAMP3	1593.767629	711.3116427	8468.881735	
3329.680501					
BRPF3	BRPF3	482.2970014	751.8071075	1307.96554	
878.7610394					
SGIP1	SGIP1	1.041678189	23.76907717	0	13.73064124
SV2C	SV2C	1.041678189	13.20504287	39.02710477	
14.71140133					
UBA3	UBA3	12831.39193	9199.513201	7465.327612	
9002.396854					
RTCB	RTCB	15892.88413	9288.427156	11707.01637	
10923.70587					
TSTD3	TSTD3	127.084739	171.6655573	78.05420954	
125.5372913					
MAPK8IP3	MAPK8IP3		291.6698928	931.3956905	
495.0867005		507.0529658			
EMC2	EMC2	2062.522814	1539.707999	2262.457016	
1782.041081					
BMPR2	BMPR2	444.7965866	566.0561711	795.0378772	
473.7071228					
MAPK12	MAPK12	154.1683719	314.2800203	57.98312709	
128.4795716					
KLF9	KLF9	67.70908227	202.477324	151.6481785	
170.6522554					
UCN	UCN	6.250069132	23.76907717	22.30120273	
7.846080709					
TOP2B	TOP2B	9182.393233	16083.74222	8999.65036	
12119.25242					
TIGD1	TIGD1	385.4209298	376.7838899	483.9360991	
593.3598536					
BACH2	BACH2	542.7143363	848.6440885	3620.600262	
3523.870999					
B9D1	B9D1	93.75103698	87.15328295	34.56686422	
111.8066501					
MIR3176	MIR3176	0	1.760672383	0	0

MIR3175	MIR3175	3.125034566	0.880336191	3.345180409	
1.961520177					
MIR3173	MIR3173	0	0	0.980760089	
MIR1260B	MIR1260B		4.166712755	14.96571525	
32.33674395	32.36508293				
MIR3165	MIR3165	1.041678189	0	0	0
MIR3162	MIR3162	0	0.880336191	0	0.980760089
MIR3160-2	MIR3160-2		0	0.880336191	0
MIR3160-1	MIR3160-1		0	0.880336191	0
SLC2A6	SLC2A6	82.29257691	84.51227438	206.2861252	
147.1140133					
RPL27	RPL27	12066.80014	13268.42708	13452.08548	
11910.35052					
C10orf105	C10orf105		11.45846008	14.96571525	
3.345180409	23.53824213				
ADRB2	ADRB2	29.16698928	60.74319721	151.6481785	
99.05676896					
IMPACT	IMPACT	822.9257691	1228.949323	1030.315566	
1345.602842					
FBX06	FBX06	3023.991782	1551.152369	3079.796096	
1845.790487					
ZBTB43	ZBTB43	1431.265831	1110.984274	1779.635977	
1575.100702					
AMIG01	AMIG01	29.16698928	34.33311147	443.7939342	
361.9004727					
APMAP	APMAP	6797.991859	4799.592916	6380.3741	
5477.545095					
SMA4	SMA4	133.3348082	117.0847135	137.1523968	
135.3448922					
INPP5A	INPP5A	354.1705842	234.1694269	343.438522	
352.0928718					
OPA1-AS1	OPA1-AS1		653.1322243	517.6376806	
409.22707	509.014486				
S100Z	S100Z	32.29202385	22.00840479	5.575300681	
20.59596186					
ACSM4	ACSM4	1.041678189	0	0	0
C5orf47	C5orf47	0	3.345180409	0	
ORMDL3	ORMDL3	2912.532216	5892.090129	4455.780305	
3907.348193					
TMEM14A	TMEM14A	1400.015486	1368.922778	1239.946872	
1189.661988					
RELT	RELT	1065.636787	1092.497214	802.8432981	
1242.623032					
MICALCL	MICALCL	13.54181645	31.69210289	0	5.884560532
BOD1L1	BOD1L1	1610.43448	1721.057254	2401.839534	
1753.599039					
FAM65C	FAM65C	34.37538023	17.60672383	111.5060136	
77.480047					
ATP2C2	ATP2C2	6.250069132	33.45277527	7.805420954	
4.903800443					

CCDC91	CCDC91	1150.01272	1125.069653	1781.866098	
1343.641321					
RAET1E	RAET1E	2.083356377	11.44437049	0	5.884560532
EXOSC8	EXOSC8	7865.712003	6481.915378	5745.904882	
6593.650076					
TMEM80	TMEM80	633.3403387	464.8175091	449.3692349	
379.5541543					
NAP1L2	NAP1L2	77.08418596	44.89714576	74.70902913	
68.65320621					
MAFA	MAFA	1.041678189	6.16235334	0	0.980760089
CUX2	CUX2	0	1.760672383	7.805420954	0.980760089
HMX3	HMX3	0	0.880336191	0	2.942280266
LINC00235	LINC00235		2.083356377	6.16235334	0
		5.884560532			
CD58	CD58	6068.817127	5614.784229	2268.032317	
2709.840125					
EMG1	EMG1	5193.807449	3424.507785	5535.158516	
4516.400208					
RNFT2	RNFT2	110.417888	138.2127821	90.31987104	
73.55700665					
NFS1	NFS1	2819.822857	2685.025384	2273.607618	
2786.339412					
ASS1	ASS1	15.62517283	61.6235334	0	17.6536816
ITFG1	ITFG1	3621.915062	2774.819675	2933.723219	
2701.013284					
THOC3	THOC3	4632.342905	1789.723477	3482.332806	
2089.999749					
PPP1R35	PPP1R35	1740.644253	1859.270036	1223.220969	
1674.157471					
SLC35D3	SLC35D3	7.291747321	0	0	0
RFFL	RFFL	2801.072649	5333.076648	3283.852101	
3616.062447					
SRP14-AS1	SRP14-AS1		400.0044245	241.2121165	
448.2541748		322.6700692			
N4BP2	N4BP2	1992.730375	3236.996176	1447.348057	
2020.365783					
BOK	BOK	1.041678189	6.16235334	0	2.942280266
MAP1LC3A	MAP1LC3A		298.9616402	618.8763426	
105.9307129		189.2866971			
KDM4B	KDM4B	1036.469798	2060.867024	1344.762524	
2029.192623					
EMC6	EMC6	3300.036502	3119.031126	2652.728064	
2382.266255					
RNF208	RNF208	3.125034566	4.401680957	1.115060136	0
STEAP4	STEAP4	0	0.880336191	0	0
PCBD1	PCBD1	997.9277048	1121.548308	748.2053514	
918.9722031					
EBNA1BP2	EBNA1BP2		9991.777186	5649.11734	
7527.77098		7891.195673			
TDRD1	TDRD1	8.33342551	74.82857627	2.230120273	

115.7296905				
ATG10 ATG10	472.9218977	635.6027302	417.032491	
623.7634164				
GOLGA4 GOLGA4	2827.114604	2979.057672	4226.077916	
2929.530385				
TTBK2 TTBK2	390.6293208	435.7664148	761.5860731	
609.0520151				
PTER PTER	2312.525579	1582.844472	2268.032317	
1915.424453				
SRXN1 SRXN1	7233.413342	2829.400519	5542.963937	
2388.150816				
ADAMTS14 ADAMTS14	5.208390943	10.5640343		
16.72590204	6.865320621			
OCSTAMP OCSTAMP	4.166712755	0 0	15.69216142	
EEF1DP3 EEF1DP3	4.166712755	9.683698106	0 20.59596186	
LOC441666 LOC441666	40.62544936	28.17075813		
63.55842777	25.49976231			
ZNF204P ZNF204P	10.41678189	8.803361914	439.3336937	
151.0370537				
TLK2 TLK2	1485.433097	1798.526839	1791.901639	
1506.447496				
FAM27B FAM27B	19.79188559	37.85445623	8.92048109	
18.63444168				
FAM27C FAM27C	0 0.880336191	1.115060136	1.961520177	
LINC00674 LINC00674	322.9202385	500.9112929		
965.642078	903.2800417			
LINC00910 LINC00910	39.58377117	79.23025723		
127.1168555	104.9413295			
GGNBP1 GGNBP1	15.62517283	18.48706002	1.115060136	
16.67292151				
WDR93 WDR93	3.125034566	0 4.460240545	2.942280266	
MGC16275 MGC16275	147.9183028	102.9993344		
59.09818722	24.51900222			
SERTAD4-AS1 SERTAD4-AS1	0 0.880336191	0 0		
HLA-F-AS1 HLA-F-AS1	33.33370204	84.51227438		
59.09818722	65.71092594			
C10orf40 C10orf40	0 0	0 0.980760089		
LOC646762 LOC646762	15.62517283	106.5206792		
18.95602232	82.38384745			
MSL3P1 MSL3P1	487.5053923	456.0141472	254.2337111	
364.842753				
LINC00961 LINC00961	0 0	2.230120273	0	
FAM20B FAM20B	933.3436571	1339.871683	1296.814938	
1437.79429				
INMT-FAM188B INMT-FAM188B	79.16754234	90.67462772		
117.0813143	123.5757712			
FDX1L FDX1L	912.5100933	536.1247406	674.6113824	
630.628737				
TMEM261 TMEM261	1364.598427	2007.166516	1350.337825	
1513.312817				

DYNLL1 DYNLL1	17468.94322	11800.90665	11159.52184		
9176.97215					
SOCS1 SOCS1	5164.64046	2821.477494	6904.452364		
4168.230377					
KCNJ10 KCNJ10	1.041678189	1.760672383	22.30120273		
13.73064124					
KCNJ6 KCNJ6	0 0	4.460240545	0		
KCNG1 KCNG1	1.041678189	16.72638764	17.84096218		
34.3266031					
KCNA3 KCNA3	5040.680755	10264.71999	5108.090484		
5250.989515					
LRP1 LRP1	3.125034566	3.521344766	1.115060136		
27.46128248					
ZNF221 ZNF221	28.12531109	49.29882672	24.531323		
131.4218519					
ASAH2B ASAH2B	60.41733494	48.41849053	76.9391494		
65.71092594					
MAP3K13 MAP3K13	791.6754234	868.8918209	898.7384698		
889.5494004					
REC114 REC114	1.041678189	0.880336191	0 0.980760089		
TYW5 TYW5	1486.474775	1320.504287	989.0583409		
1111.20118					
LOC285889	LOC285889	0 0 0	0.980760089		
RGMB-AS1	RGMB-AS1	0 3.521344766	0		
1.961520177					
LOC613038	LOC613038	0 2.641008574	0 0		
LOC388242	LOC388242	0 2.641008574	0 0		
LOC613037	LOC613037	46.87551849	95.95664487		
88.08975076	64.73016585				
SNORA22 SNORA22	9.375103698	1.760672383	16.72590204		
2.942280266					
ST7-OT4 ST7-OT4	16.66685102	10.5640343	4.460240545		
6.865320621					
TUG1 TUG1	1061.470074	2988.74137	1509.791425		
1491.736095					
PIPSL PIPSL	17.70852921	12.32470668	11.15060136		
14.71140133					
CATSPER2P1	CATSPER2P1	11.45846008	31.69210289		
60.21324736	68.65320621				
GATAD2B GATAD2B	357.2956187	1279.128486	807.3035387		
611.9942953					
LRRC47 LRRC47	3386.495791	2867.254976	3757.752659		
3039.375515					
GCHFR GCHFR	2032.314146	2170.909048	1660.324543		
2452.880982					
CLEC11A CLEC11A	12.50013826	55.46118006	42.37228518		
26.48052239					
ACLY ACLY	18463.74589	18580.37566	13707.43426		
17516.37518					
EIF2B5 EIF2B5	7980.296604	5948.431646	7627.011332		

7728.389499						
F2RL1	F2RL1	19.79188559	45.77748195	540.8041661		
422.7075982						
RH0Q	RH0Q	838.5509419	749.1660989	990.173401		
674.762941						
TAF3	TAF3	2019.814008	1435.828328	2598.090118		
1764.3874						
ATAD3B	ATAD3B	5217.766047	3061.809274	2894.696114		
3407.160548						
MBD5	MBD5	235.4192706	290.5109432	437.1035734		
421.7268381						
SYT11	SYT11	7075.078258	4943.087715	2729.667214		
3372.833945						
EP0R	EP0R	592.7148894	482.4242329	550.8397073		
587.4752931						
CNR2	CNR2	2.083356377	0	12.2656615	1.961520177	
TRAPPC13	TRAPPC13	2505.236044	1989.559793			
2018.258847	1689.849633					
BANF1	BANF1	6154.234739	6309.369484	5286.500106		
5813.945806						
FAM180B	FAM180B	4.166712755	0	0	0	
OR2A9P	OR2A9P	7.291747321	1.760672383	3.345180409	0	
GTF2H5	GTF2H5	2487.527515	2129.533247	1916.788374		
1636.888588						
OR2L1P	OR2L1P	0	0	4.903800443		
SNORA48	SNORA48	78.12586415	60.74319721	82.51445008		
87.28764789						
TRAPPC2P1	TRAPPC2P1	358.3372969	442.8091043			
517.3879032	458.0149614					
AC0T1	AC0T1	259.377869	46.65781815	237.507809		
74.53776674						
C1orf141	C1orf141	0	9.683698106	0		
6.865320621						
ATP5EP2	ATP5EP2	20.83356377	79.23025723	15.61084191		
45.11496408						
AGBL3	AGBL3	82.29257691	68.66622293	95.89517172		
86.3068878						
TDH	TDH	0	2.641008574	0	12.74988115	
SCARNA11	SCARNA11	0	0.880336191	0	0	0
RNY5	RNY5	0	0.880336191	0	0	
ARHGEF35	ARHGEF35	75.00082959	72.1875677			
62.44336763	64.73016585					
OXNAD1	OXNAD1	3173.993441	2262.464012	2851.208768		
2317.53609						
C11orf16	C11orf16	11.45846008	7.042689532			
4.460240545	8.826840798					
JPH1	JPH1	1.041678189	0	12.2656615	4.903800443	
UNC5B	UNC5B	0	0	62.44336763	0	
CLSTN2-AS1	CLSTN2-AS1	0	0	0	3.923040355	
CCDC115	CCDC115	3312.53664	2144.498962	4949.751945		

3495.428956					
SMAD1-AS2	SMAD1-AS2	0	6.16235334	0	
1.961520177					
RAVER2	RAVER2	68.75076045	213.9216945	131.5770961	
329.5353898					
TTC37	TTC37	5972.982734	5136.761677	4542.754995	
5191.163149					
NOD1	NOD1	828.13416	838.9603904	1173.043263	
1015.086692					
LDHB	LDHB	64420.50422	58744.83405	52512.64206	
61275.92882					
TMEM200C	TMEM200C	0	0	0	0.980760089
SLC5A10	SLC5A10	180.2103266	220.9643841	228.5873279	
265.785984					
HMBOX1	HMBOX1	1371.890175	1111.86461	1810.857661	
1249.488353					
C7orf71	C7orf71	0	0	0	1.961520177
ANKRD32	ANKRD32	1558.35057	1692.886496	911.0041313	
1016.067452					
MED10	MED10	3947.960335	2953.527922	4733.430278	
3284.565537					
OGFOD1	OGFOD1	7901.129061	5661.442047	7343.786057	
7486.141757					
SNPH	SNPH	185.4187176	278.1862365	525.1933242	
404.0731565					
CCAR2	CCAR2	11541.79433	10227.74587	9704.368366	
9546.718703					
C1S	C1S	2.083356377	19.36739621	0	11.76912106
EPHA4	EPHA4	28.12531109	135.5717735	236.3927489	
133.3833721					
SLC12A7	SLC12A7	741.6748704	1705.211203	860.8264252	
770.8774297					
HCG9	HCG9	0	1.760672383	0	1.961520177
ALDH1L1	ALDH1L1	1.041678189	0	0	0
CAPZB	CAPZB	15020.99948	18717.7081	10561.84961	
12281.07783					
TRMT2A	TRMT2A	5443.810214	4004.649335	4230.538157	
5030.318495					
ZNF543	ZNF543	572.9230038	537.0050768	787.2324562	
562.9562909					
HNRNPH3	HNRNPH3	10808.45289	11115.12475	12003.62237	
10320.53841					
RIN1	RIN1	12.50013826	14.96571525	76.9391494	
42.17268381					
ACVR1B	ACVR1B	29.16698928	65.14487817	152.7632387	
54.92256497					
ULBP1	ULBP1	7.291747321	7.923025723	201.8258847	
41.19192372					
ABCF3	ABCF3	3633.373522	2647.170928	4169.209849	
3855.367909					

GKAP1	GKAP1	48.95887487	100.3583258	211.8614259	
141.2294528					
PAG1	PAG1	7049.036303	7187.064667	7565.683025	
6184.673119					
UTP6	UTP6	5906.31533	4208.887331	5100.285063	
5212.739871					
LHFPL3	LHFPL3	1.041678189	3.521344766	0	0
DCK	DCK	9462.604666	10485.68438	9629.659337	
7553.814203					
DBH	DBH	0	0	4.460240545	3.923040355
PDE3A	PDE3A	0	0	0	9.807600887
CTDNEP1	CTDNEP1	1213.55509	3011.630111	1699.351648	
1518.216617					
EDEM2	EDEM2	3176.076797	2493.99243	2294.79376	
2465.630863					
PLET1	PLET1	7.291747321	1.760672383	2.230120273	
4.903800443					
SNHG21	SNHG21	327.0869513	235.9300993	296.6059962	
277.5551051					
CDH3	CDH3	7.291747321	48.41849053	0	27.46128248
UVRAG	UVRAG	1325.014656	1102.180912	2265.802197	
1532.928019					
TNR	TNR	2.083356377	7.923025723	0	2.942280266
NAGPA-AS1	NAGPA-AS1		77.08418596	39.61512861	
132.6921562					
73.55700665					
LOC100288570	LOC100288570		0	0	2.230120273
RAPGEF2	RAPGEF2	198.960534	581.9022225	276.5349138	0
143.1909729					
SNORA56	SNORA56	2.083356377	10.5640343	39.02710477	
22.55748204					
NLRP14	NLRP14	0	3.521344766	0	2.942280266
LINC01123	LINC01123		0	1.760672383	4.460240545
4.903800443					
TENM2	TENM2	0	0	0	9.807600887
RFC5	RFC5	5345.892464	5500.340524	3686.38881	
5263.739396					
LOC100129216	LOC100129216		16.66685102	11.44437049	
6.690360818					
12.74988115					
WBP5	WBP5	14.58349464	73.94824008	137.1523968	
102.9798093					
RNF217-AS1	RNF217-AS1		0	1.760672383	2.230120273
5.884560532					
AKR1C6P	AKR1C6P	6.250069132	13.20504287	0	4.903800443
C6orf57	C6orf57	269.7946509	388.2282604	304.4114172	
302.0741073					
CASKIN1	CASKIN1	103.1261407	154.0588335	107.0457731	
85.32612771					
FAM96A	FAM96A	6031.316713	7048.851885	4931.910983	
4818.474316					
ZCCHC7	ZCCHC7	1102.095524	957.8057763	1885.56669	

1450.544171						
GPR137C	GPR137C	36.4587366	45.77748195	14.49578177		
30.40356275						
ZNF582-AS1	ZNF582-AS1		23.95859834	24.64941336		
214.0915462	102.9798093					
PPAP2A	PPAP2A	2627.112392	1522.101275	2201.128709		
1672.195951						
ZNF92	ZNF92	1137.512582	1423.503622	1597.881175		
1166.123745						
SIDT2	SIDT2	142.7099119	208.6396774	144.9578177		
149.0755335						
MYL6	MYL6	85600.94683	76064.56828	42240.70808		
54077.14977						
LINC01011	LINC01011		41.66712755	36.09378385		
147.187938	111.8066501					
LOC646736	LOC646736		0	0	3.345180409	0
MIR548Z	MIR548Z	0	2.641008574	0	0.980760089	
MIR550B1	MIR550B1		0	1.760672383	0	0
LINC01061	LINC01061		78.12586415	132.9307649		
121.5415549	81.40308736					
CAHM	CAHM	4.166712755	3.521344766	2.230120273		
12.74988115						
YIPF1	YIPF1	1714.602299	1403.255889	1440.657696		
1505.466736						
LINC01134	LINC01134		6.250069132	25.52974955		
6.690360818	10.78836098					
LOC100134368	LOC100134368		0	0.880336191	36.7969845	
6.865320621						
GUSBP11	GUSBP11	338.5454113	528.2017149	508.4674221		
501.1684053						
FAM66C	FAM66C	16.66685102	23.76907717	39.02710477		
47.07648426						
MAP3K14-AS1	MAP3K14-AS1		359.3789751	462.1765005		
441.563814	541.3795689					
LINC00086	LINC00086		6.250069132	31.69210289		
40.14216491	69.6339663					
RBPMS	RBPMS	23.95859834	8.803361914	16.72590204		
13.73064124						
ZNF341-AS1	ZNF341-AS1		11.45846008	8.803361914		
8.92048109	10.78836098					
OR1L8	OR1L8	0	2.641008574	0	0	
ZNF362	ZNF362	795.8421362	1297.615546	647.8499392		
967.0294474						
TONSL	TONSL	2165.648954	2935.040862	1417.241433		
2119.422552						
NT5C1B-RDH14	NT5C1B-RDH14		1126.054122	910.2676219		
1721.65285	1282.834196					
NPTX1	NPTX1	2576.070161	4246.741787	388.0409274		
717.9163849						
ESRG	ESRG	0	0	0	0.980760089	

SLC25A17	SLC25A17	3536.497451	2390.993096
2720.746732	2528.399509		
MIR1224	MIR1224	0	0.880336191
GSTM2	GSTM2	170.8352229	356.5361575
302.0741073			111.5060136
ANXA1	ANXA1	4849.011968	3512.541404
6394.555778			7884.590224
LRRC6	LRRC6	3.125034566	6.16235334
22.55748204			17.84096218
TRPC5	TRPC5	1.041678189	2.641008574
PRPF6	PRPF6	11419.91798	8645.781736
10171.46288			10656.62972
SLC22A31	SLC22A31	15.62517283	42.25613719
2.230120273	39.23040355		
RNPS1	RNPS1	25007.56828	17609.36484
19966.31389			21060.14079
ANO4	ANO4	0	0
SDS	SDS	0	1.760672383
RAMP2	RAMP2	3.125034566	0
MACC1	MACC1	17.70852921	34.33311147
53.94180488			5.575300681
ACYP1	ACYP1	1028.136372	927.8743458
765.9736292			622.203556
GMCL1P1	GMCL1P1	2.083356377	0.880336191
SUGT1P3	SUGT1P3	18.7502074	33.45277527
61.78788559			33.45180409
PRODH	PRODH	68.75076045	71.30723151
26.48052239			8.92048109
YKT6	YKT6	3365.662228	3761.676546
2652.95604			3183.496689
GLYATL3	GLYATL3	0	0
C6orf222	C6orf222	0	0.880336191
18.63444168			36.7969845
SOX7	SOX7	26.04195472	28.17075813
13.73064124			46.83252572
UGT1A8	UGT1A8	0	0
THAP2	THAP2	378.1291825	347.7327956
475.668643			831.8348617
LOC101927460	LOC101927460	0	0
PPM1G	PPM1G	15982.46845	12195.29726
10987.45527			10966.61644
WDFY3	WDFY3	11.45846008	84.51227438
51.9802847			15.61084191
GOLGA2P6	GOLGA2P6	0	1.760672383
3.923040355			0
CNIH3	CNIH3	3.125034566	2.641008574
6.865320621			8.92048109
COQ9	COQ9	4127.128984	2681.504039
3036.433235			2803.261183
ATP13A4	ATP13A4	31.25034566	50.17916291
			3.345180409

29.42280266						
C5AR2	C5AR2	2.083356377	5.282017149	0	0	
ASAP1	ASAP1	1037.511476	1546.750688	1627.987799		
1559.408541						
PDCD1LG2	PDCD1LG2		356.2539405	301.9553137		
117.0813143		245.1900222				
ERC2	ERC2	2.083356377	17.60672383	0	0	
REL	REL	1273.972425	1341.632356	2758.658777		
2623.533237						
SSH3	SSH3	116.6679571	272.9042193	179.5246819		
375.631114						
C8orf44-SGK3	C8orf44-SGK3		398.9627463	312.519348		
2182.172687		855.2227973				
SLC44A5	SLC44A5	0	0	2.230120273	0	
RTCA	RTCA	7388.623392	5008.232593	4132.412865		
3993.655081						
CLK3	CLK3	4749.010862	4389.356251	4987.66399		
5027.376215						
ADAMDEC1	ADAMDEC1		0	0.880336191	0	
0.980760089						
LOC100133669	LOC100133669		37.50041479	47.53815434		
76.9391494		65.71092594				
ZNF510	ZNF510	326.0452731	372.382209	793.922817		
372.6888337						
C3AR1	C3AR1	520.8390943	191.9132897	446.0240545		
384.4579548						
PPY	PPY	0	1.760672383	5.575300681	0	
RPS6KB2	RPS6KB2	4990.680202	4402.561293	4510.418251		
4602.707096						
CDS1	CDS1	6.250069132	1.760672383	45.71746559		0
EXOC5	EXOC5	7201.121318	7077.022643	5860.756076		
6675.053163						
CIC	CIC	55.208944	459.5354919	181.7548022		
176.536816						
C2orf82	C2orf82	0	1.760672383	0	0	
USF1	USF1	405.2128154	983.3355258	751.5505318		
565.8985712						
BMP1	BMP1	91.66768061	150.5374887	239.7379293		
149.0755335						
FAM83H-AS1	FAM83H-AS1		0	6.16235334	0	
6.865320621						
LOC100507373	LOC100507373		51.04223125	61.6235334		
107.0457731		42.17268381				
PLBD1-AS1	PLBD1-AS1		1.041678189	0	0	0
C12orf45	C12orf45		1037.511476	770.2941675		
965.642078		711.0510643				
ARL14EP	ARL14EP	2338.567534	1900.645837	2532.301569		
1874.232529						
LILRB3	LILRB3	31.25034566	34.33311147	35.68192436		
51.9802847						

NUDCD3	NUDCD3	5153.181999	4763.499132	5455.989247
6287.652928				
RHBDL2	RHBDL2	9.375103698	13.20504287	22.30120273
18.63444168				
LOC653786	LOC653786		1.041678189	0
	0.980760089			1.115060136
ALMS1P	ALMS1P	0	0	0.980760089
TFE3	TFE3	1486.474775	2790.665727	2154.296183
1690.830393				
ANKUB1	ANKUB1	0	0.880336191	0
FCER1G	FCER1G	476.0469322	104.7600068	273.1897334
199.094298				
EIF4EBP1	EIF4EBP1		2319.817326	2081.114757
2081.817274	2042.923265			
SIM2	SIM2	8.33342551	7.042689532	2.230120273
1.961520177				
FASN	FASN	180.2103266	1600.451196	301.0662368
490.3800443				
CHURC1	CHURC1	6061.52538	5719.544236	9249.42383
6580.900195				
SPATA21	SPATA21	9.375103698	9.683698106	15.61084191
10.78836098				
ATP11A	ATP11A	1408.348911	2677.102358	1290.124578
1757.522079				
MY01D	MY01D	297.919962	308.117667	719.2137879
918.9722031				
NLN	NLN	2153.148816	1565.237748	1816.432962
1950.731816				
KIAA1210	KIAA1210		0	0
TIPARP-AS1	TIPARP-AS1		143.75159	141.7341268
158.3385393	101.0182891			
TMEM182	TMEM182	183.3353612	153.1784973	361.2794842
359.9389525				
OR52K2	OR52K2	0	0	0.980760089
UNK	UNK	1094.803776	1305.538572	1371.523968
1152.393104				
FAM175B	FAM175B	2277.10852	1591.647834	1900.062472
1780.079561				
CRTAC1	CRTAC1	0	0.880336191	1.115060136
				7.846080709
C1orf216	C1orf216		3534.414094	2561.778317
2048.36547	2337.151291			
UTP15	UTP15	3292.744754	2646.290591	2971.635263
3482.679075				
USP42	USP42	1304.181092	1701.689858	2380.653391
1573.139182				
C2orf76	C2orf76	409.3795282	367.1001918	490.62646
407.0154368				
ANO3	ANO3	0	1.115060136	0
R3HDM4	R3HDM4	4678.176745	5778.526761	4427.903801
5975.77122				

GRM2	GRM2	2.083356377	3.521344766	0	0
MIR626	MIR626	1.041678189	0	0	0
MIR624	MIR624	0	0.880336191	0	0
LOC100506083	LOC100506083		954.1772208		776.4565208
767.1613738		756.1660284			
ATXN1	ATXN1	1041.678189	1449.913707		1004.669183
776.7619902					
TMC6	TMC6	7898.004027	7769.847226		5217.366378
6617.188318					
TMEM2	TMEM2	4145.879191	5357.726061		1563.314311
1666.311391					
KIF26A	KIF26A	0	0.880336191	0	3.923040355
CECR5	CECR5	2788.572511	2192.037117		2866.81961
3632.735368					
PEAK1	PEAK1	480.213645	542.2870939		386.9258673
362.8812328					
MRPS24	MRPS24	3405.245999	3178.013651		2934.838279
2695.128724					
C1QTNF4	C1QTNF4	3.125034566	0.880336191	0	0.980760089
PTRF	PTRF	54.16726581	29.93143051		85.85963049
138.2871725					
UQCRC2	UQCRC2	17478.31833	16738.71234		9392.151528
11775.00562					
KIF1A	KIF1A	0	0	1.115060136	21.57672195
BCL9	BCL9	405.2128154	880.3361914		732.5945095
961.1448869					
RAB11FIP4	RAB11FIP4		2307.317188		2104.883834
3169.000907		3006.029672			
IGJ	IGJ	254.169478	160.2211868		4.460240545
122.5950111					
RHOBTB3	RHOBTB3	56.25062219	110.9223601		99.24035213
97.09524878					
UNC45A	UNC45A	6988.618968	6360.428983		5197.295295
6225.865043					
COR06	COR06	23.95859834	75.70891246		79.16926967
101.9990492					
MUM1	MUM1	1012.511199	1271.20546		1038.120987
1340.699041					
SBSPON	SBSPON	1.041678189	7.042689532		5.575300681
0.980760089					
KRT3	KRT3	4.166712755	0	0	0
TAGAP	TAGAP	2271.90013	2240.455607		7701.720361
7846.080709					
ASXL2	ASXL2	687.5076045	1552.032706		1624.642619
1006.259851					
DARS2	DARS2	5670.896059	4879.703509		4104.536362
5405.949609					
ZNF791	ZNF791	2045.855963	1482.486146		2421.910616
1946.808776					
SCAP	SCAP	5100.056412	5593.65616		4352.079712

5624.659109					
ARFIP2	ARFIP2	2089.606447	2149.780979	2721.861793	
2487.207585					
FZD4	FZD4	27.08363291	65.14487817	13.38072164	
4.903800443					
GRHPR	GRHPR	2969.824516	2460.539655	2812.181664	
3039.375515					
ZNF525	ZNF525	392.7126771	644.4060921	1407.205892	
1161.219945					
AQP7	AQP7	1.041678189	0	1.961520177	
HTRA1	HTRA1	1.041678189	0.880336191	8.92048109	0
IFNL4	IFNL4	1.041678189	1.760672383	4.460240545	
1.961520177					
C5orf66	C5orf66	4286.505746	3516.062749	2207.81907	
2734.359127					
FZR1	FZR1	1406.265555	2401.55713	1208.725188	
1429.948209					
LOC100129316	LOC100129316		0	1.760672383	0
3.923040355					
C15orf37	C15orf37		351.0455496	407.5956566	
274.3047935	372.6888337				
LAMTOR2	LAMTOR2	3196.910361	3097.903058	2607.010599	
2774.570291					
POLR2G	POLR2G	7081.328327	7606.98503	5909.818722	
6615.226798					
P4HB	P4HB	36134.77469	25282.37508	24550.27902	
23499.01172					
MSL1	MSL1	502.088887	983.3355258	606.5927141	
545.3026093					
LOC100507195	LOC100507195		30.20866747	82.751602	
74.70902913	134.3641321				
LOC101928988	LOC101928988		8.33342551	20.2477324	
1.115060136	11.76912106				
ZC3H12C	ZC3H12C	76.04250777	226.2464012	50.17770613	
87.28764789					
NAALAD2	NAALAD2	2.083356377	2.641008574	8.92048109	
2.942280266					
SLC17A7	SLC17A7	0	0.880336191	7.805420954	0
SNTN	SNTN	0	0	1.115060136	0
KRT86	KRT86	22.91692015	7.923025723	6.690360818	
3.923040355					
ACTR1A	ACTR1A	8157.381896	9568.374065	6035.820518	
6686.822285					
ADAMTS3	ADAMTS3	0	0	1.961520177	
PPP1R7	PPP1R7	6239.65235	5502.981533	5174.994092	
5580.524905					
PARP4	PARP4	11959.50728	13227.93161	7468.672793	
8294.28807					
HEXIM1	HEXIM1	673.9657881	672.5768503	766.0463136	
683.5897818					

EREG	EREG	0	2.641008574	0	0
NDST1	NDST1	33.33370204	148.7768164	43.48734531	118.6719707
HIST1H2AK	HIST1H2AK	48.95887487	49.29882672	45.71746559	34.3266031
HIST1H2AI	HIST1H2AI	67.70908227	114.4437049	43.48734531	27.46128248
FZD9	FZD9	10.41678189	15.84605145	18.95602232	22.55748204
GCM1	GCM1	0	0	1.115060136	1.961520177
TALD01	TALD01	18469.99596	15762.41951	13844.58665	12285.98163
GRSF1	GRSF1	13179.31244	10239.19024	11963.4802	12066.29137
ARHGAP5	ARHGAP5	1000.011061	1236.872349	2799.916002	1891.886211
LOC100996437	LOC100996437	22.91692015	20.2477324	24.531323	43.1534439
PLA2G16	PLA2G16	755.2166868	683.1408846	396.9614085	516.8605667
FAM50A	FAM50A	3215.660569	3236.11584	2948.219	3037.413995
ZNF24	ZNF24	4005.252636	4152.545815	6406.020483	5285.316118
PDCD5	PDCD5	7354.248012	5731.868942	5965.571729	5582.486425
HGS	HGS	7228.204951	5665.843728	5954.421128	6876.108982
EIF2AK3	EIF2AK3	2469.818985	2917.434138	2430.831097	2137.076233
ZNF593	ZNF593	1884.395843	1898.004829	1806.397421	2144.922314
USP8	USP8	4937.554614	3988.803283	4319.742968	3951.482397
RUFY3	RUFY3	229.1692015	211.2806859	652.3101797	457.0342013
ZNF14	ZNF14	856.2594711	747.4054265	2864.58949	1745.752958
NTHL1	NTHL1	1473.974637	1261.521762	633.3541574	936.6258847
GOT2	GOT2	19099.16959	14386.45404	12845.49277	14958.55287
NPTX2	NPTX2	0	6.16235334	0	14.71140133
GLRX5	GLRX5	4887.554061	4316.288347	3443.305701	3572.909003
TRIAP1	TRIAP1	5306.308693	2793.306735	4571.746559	3098.22112
HSPB9	HSPB9	0	0.880336191	1.115060136	1.961520177
MIR6824	MIR6824	27.08363291	39.61512861	16.72590204	36.28812328

TMEM39A	TMEM39A	3046.908702	1912.970544	2840.058167	
2286.151767					
DLG5	DLG5	85.41761147	285.228926	41.25722504	
97.09524878					
ANKRD63	ANKRD63	0	0.880336191	0	
TGFBRAP1	TGFBRAP1		3608.373246	3187.697349	
3657.397247		3208.06625			
FAM110B	FAM110B	26.04195472	41.375801	20.07108245	
13.73064124					
TNFRSF10B	TNFRSF10B		2931.282423	1450.794043	
5858.525956		3108.028721			
GALR2	GALR2	232.2942361	124.127403	175.0644414	
176.536816					
MTF1	MTF1	2754.197131	2177.071401	3032.963571	
2531.341789					
GOLT1B	GOLT1B	6309.444789	5054.890411	4308.592367	
4417.343439					
ZNF117	ZNF117	167.7101884	205.1183326	176.1795015	
232.440141					
MT3	MT3	2.083356377	27.29042193	22.30120273	
114.7489304					
NUP214	NUP214	3395.870895	4865.61813	4793.643526	
4381.055316					
GUCY2C	GUCY2C	3.125034566	0	0.980760089	
SF3A3	SF3A3	14529.32738	11038.5355	11891.00129	
11506.27736					
PRRC2C	PRRC2C	7270.913757	8736.456364	8529.094982	
7744.08166					
FTCD	FTCD	2.083356377	0	2.230120273	0.980760089
ZNF783	ZNF783	436.4631611	552.8511282	735.9396899	
737.5315867					
TRMT61B	TRMT61B	1175.012997	1126.830325	1019.164965	
1384.833245					
NARFL	NARFL	2623.987357	1907.688527	2159.871484	
2244.959843					
TTC31	TTC31	3545.872554	3091.740704	2318.210023	
2628.437038					
BMS1P6	BMS1P6	3.125034566	5.282017149	18.95602232	
12.74988115					
LRRN1	LRRN1	15.62517283	38.73479242	46.83252572	
26.48052239					
C19orf68	C19orf68		141.6682337	202.477324	
91.43493117		142.2102129			
LINC01003	LINC01003		117.7096353	230.6480822	
182.8698623		258.9206634			
PATE4	PATE4	1.041678189	0	1.961520177	
LOC102724589	LOC102724589		0	3.521344766	0
PTAR1	PTAR1	435.4214829	635.6027302	557.5300681	
494.3030847					
RPS3	RPS3	35708.72831	34984.56025	38597.80662	

35736.93611					
ACSBG1 ACSBG1	16.66685102	8.803361914	5.575300681		
9.807600887					
TOR1A TOR1A	8550.094573	6527.69286	5470.485029		
5875.733691					
MTMR2 MTMR2	5966.732665	5294.341855	4518.223672		
5278.450797					
MMP17 MMP17	23.95859834	9.683698106	0	11.76912106	
TOP2A TOP2A	32248.27337	32496.73017	15778.10093		
24682.78915					
ST18 ST18	0	1.760672383	0	0	
C2orf50 C2orf50	3.125034566	1.760672383	2.230120273		
8.826840798					
ACVR2B-AS1	ACVR2B-AS1	0	3.521344766	0	
5.884560532					
HYMAI HYMAI	21.87524196	15.84605145	7.805420954		
38.24964346					
HIST2H2BF	HIST2H2BF	6.250069132	57.22185244		
15.61084191	4.903800443				
COMMD3-BMI1	COMMD3-BMI1	10376.15644	9468.896075		
8894.834707	9411.373811				
SMLR1 SMLR1	2.083356377	0	0	0	
SMIM17 SMIM17	0	2.641008574	0	2.942280266	
RPS28 RPS28	3785.458538	7303.269044	5295.420587		
6420.05554					
C19orf84	C19orf84	0	0	0	4.903800443
RPS27 RPS27	10160.52905	15215.73073	27250.95467		
16886.72721					
PINLYP PINLYP	76.04250777	119.725722	31.22168382		
94.15296851					
GARS GARS	21331.48595	15704.31732	21315.48956		
17324.14621					
HSPE1-MOB4	HSPE1-MOB4	15973.09335	12912.77126		
16026.75934	15255.72318				
SH3BGRL SH3BGRL	3718.791134	3839.146131	5014.425433		
4221.191422					
MPZ MPZ	4.166712755	14.96571525	23.41626286		
7.846080709					
GPC5 GPC5	3.125034566	0	18.95602232	24.51900222	
SNRNP40 SNRNP40	13589.73365	9491.784816	10134.78158		
10575.53604					
AP4M1 AP4M1	740.6331922	1123.30898	547.4945269		
1008.221371					
APEH APEH	10681.36815	8676.593503	7624.781212		
10333.28829					
HLA-DQA1	HLA-DQA1	622.9235568	2274.788719		
183.9849225	571.7831317				
URGCP-MRPS24	URGCP-MRPS24	3610.456602	3320.628114		
3136.664163	2890.299981				
ZCRB1 ZCRB1	3846.917551	4468.586508	3548.121354		

3549.370761					
AARS2	AARS2	2657.321059	2482.54806	2186.632927	
2541.14939					
ZNF626	ZNF626	323.9619167	251.7761508	927.7300334	
414.8615175					
C5orf15	C5orf15	3591.706395	2726.401185	3394.243055	
2742.205208					
RPL26L1	RPL26L1	2720.863429	2331.130235	1856.575127	
1989.96222					
AEBP1	AEBP1	76.04250777	212.1610221	240.8529894	
335.4199503					
XCL1	XCL1	283.3364673	102.1189982	1565.544431	
654.1669791					
TMEM192	TMEM192	947.9271517	635.6027302	1571.119732	
1111.20118					
ZNF844	ZNF844	52.08390943	44.01680957	579.8312709	
320.708549					
C11orf86	C11orf86		8.33342551	0	0
MUC12	MUC12	56.25062219	38.73479242	11.15060136	0
12.74988115					
PRR12	PRR12	15.62517283	113.5633687	13.38072164	
32.36508293					
PLXNA3	PLXNA3	128.1264172	448.9714576	167.2590204	
316.7855086					
NDUFAF7	NDUFAF7	926.0519098	828.3963561	1073.802911	
1118.066501					
PCF11	PCF11	2003.147157	2243.096616	3695.309292	
2827.531336					
TERF1	TERF1	1729.185793	1625.100609	1292.354698	
1117.085741					
CD81	CD81	6314.65318	3826.821424	5377.935037	
1750.656758					
AMOTL2	AMOTL2	6.250069132	0	10.03554123	10.78836098
WDR59	WDR59	1103.137202	1955.226681	1300.160119	
1647.676949					
RBM7	RBM7	2741.696993	2507.197473	3728.761096	
2675.513522					
TAF1D	TAF1D	936.4686916	1047.600068	1314.655901	
1122.970302					
DDX28	DDX28	3365.662228	2334.65158	2867.93467	
3002.106631					
FBXL8	FBXL8	221.8774542	302.8356499	128.2319157	
268.7282643					
UBL5	UBL5	7586.542248	9891.457447	6273.328327	
6484.785706					
AP00	AP00	1051.053292	1064.326455	864.1716056	
998.4137703					
C1orf146	C1orf146		3.125034566	0.880336191	
3.345180409		4.903800443			
C4orf36	C4orf36	4.166712755	4.401680957	20.07108245	

15.69216142					
SEC16A	SEC16A	2822.947891	7364.012241	4305.247186	
3629.793088					
GPRC5D	GPRC5D	9.375103698	26.41008574	0	10.78836098
ARNT2	ARNT2	0	0	10.78836098	
IRF4	IRF4	15835.59182	22820.95509	16327.82558	
21847.41174					
RNF187	RNF187	5064.639353	6247.745951	6548.74818	
6999.684753					
PLA2G1B	PLA2G1B	0	0.880336191	0	1.961520177
KBTBD6	KBTBD6	606.2567058	483.3045691	921.0396726	
618.8596159					
MST1R	MST1R	55.208944	65.14487817	76.9391494	
55.90332505					
CATSPER3	CATSPER3		46.87551849	29.05109432	
23.41626286	47.07648426				
KIAA1614	KIAA1614		12.50013826	9.683698106	
6.690360818	6.865320621				
GAL3ST3	GAL3ST3	0	0	3.923040355	
PHF13	PHF13	921.885197	1625.980946	1084.953513	
1341.679801					
YPEL2	YPEL2	752.0916522	551.970792	962.2968976	
607.0904949					
PDGFA	PDGFA	3.125034566	11.44437049	24.531323	
29.42280266					
HSPG2	HSPG2	5.208390943	16.72638764	26.76144327	
23.53824213					
MGARP	MGARP	1.041678189	3.521344766	10.03554123	
11.76912106					
WASH3P	WASH3P	103.1261407	205.1183326	182.8698623	
167.7099752					
YBX1	YBX1	3309.411605	9130.846978	3744.371938	
3664.119691					
RAB40B	RAB40B	103.1261407	96.83698106	169.4891407	
203.9980984					
MOB1B	MOB1B	319.7952039	633.8420578	492.8565802	
424.6691184					
CIA01	CIA01	8304.25852	6225.737546	8390.827525	
8077.54009					
RAB33A	RAB33A	1945.854856	1687.604479	942.2258151	
1324.02612					
PALD1	PALD1	65.62572589	126.7684116	41.25722504	
165.748455					
COQ4	COQ4	1820.853474	1424.383958	1466.304079	
1665.330631					
NDC80	NDC80	8027.172122	8079.725565	3942.852642	
5649.178111					
C22orf15	C22orf15		40.62544936	131.1700925	
62.44336763	57.86484523				
TRAF3IP3	TRAF3IP3		24632.56413	17144.54733	

12430.6904	11975.08068				
LGI4 LGI4	1.041678189	4.401680957	8.92048109		0
OLIG3 OLIG3	36.4587366	11.44437049	62.44336763		
34.3266031					
SLC9C1 SLC9C1	1.041678189	7.042689532	2.230120273		
1.961520177					
RPL8 RPL8	30636.79721	31067.94453	30650.77303		
33326.22781					
OR1F2P OR1F2P	3.125034566	1.760672383	5.575300681		0
NUPL2 NUPL2	2150.023781	1864.552053	1805.282361		
1785.964121					
MYCBP2 MYCBP2	1851.062141	3435.071819	3942.852642		
3061.932997					
TEX2 TEX2	1723.977402	1386.529502	1922.363675		
1578.042983					
CCDC37 CCDC37	2.083356377	3.521344766	10.03554123		
0.980760089					
C16orf71	C16orf71	15.62517283	13.20504287		
28.99156354	12.74988115				
CTU2 CTU2	2038.564215	1221.906634	1537.667928		
1501.543696					
TPST2 TPST2	4643.801365	5532.032627	2063.976312		
3142.355324					
MXRA7 MXRA7	463.546794	676.9785312	519.6180235		
602.1866944					
RASGRP1 RASGRP1	12188.67649	11321.12342	8865.843143		
8299.19187					
BEND5 BEND5	291.6698928	190.1526174	128.2319157		
383.4771947					
CAMLG CAMLG	1480.224706	1198.137557	1787.441398		
1187.700467					
CSTB CSTB	6084.4423	6401.804784	4951.982065		
4382.036076					
S1PR3 S1PR3	53.12558762	19.36739621	34.56686422		
146.1332532					
FEM1C FEM1C	1118.762375	1356.598071	1643.598641		
1413.275288					
LXN LXN	1020.844625	1066.087128	428.1830923		
921.9144833					
CCL20 CCL20	180.2103266	248.254806	247.5433503		
1260.276714					
COL5A3 COL5A3	2.083356377	60.74319721	5.575300681		
49.03800443					
CASC6 CASC6	0 0	0 0.980760089			
LOC100506159	LOC100506159	0 2.641008574	0		0
LOC100506258	LOC100506258	0 14.96571525	0		
15.69216142					
DGKQ DGKQ	1286.472563	1763.313391	1363.718547		
1926.212814					
LNP1 LNP1	144.7932682	206.879005	207.4011853		

184.3828967					
CHADL CHADL	531.2558762	284.3485898	321.1373192		
350.1313517					
SPEF1 SPEF1	3.125034566	0	2.230120273	9.807600887	
SPIN1 SPIN1	2405.234938	3345.277527	3030.73345		
2484.265305					
SUB1 SUB1	21888.78378	25775.36335	16529.65146		
16136.44574					
ZBTB5 ZBTB5	229.1692015	374.1428814	292.1457557		
271.6705446					
KCNK1 KCNK1	336.4620549	292.2716156	63.55842777		
44.13420399					
SLC02A1 SLC02A1	0 0	0	0.980760089		
FKBP10 FKBP10	0 0	0	0.980760089		
FBXW4 FBXW4	197.9188559	299.3143051	422.6077916		
372.6888337					
ATG16L2 ATG16L2	940.6354044	1125.949989	845.2155833		
1154.354624					
MICALL1 MICALL1	305.2117093	921.7119924	478.3607985		
452.1304009					
WNK3 WNK3	3.125034566	4.401680957	24.531323		
29.42280266					
ARL13A ARL13A	1.041678189	1.760672383	6.690360818		
5.884560532					
MTRNR2L1	MTRNR2L1	20.83356377	0	97.01023186	
0					
CNTRL CNTRL	5532.35286	5767.962726	4472.506207		
4787.089993					
SRP14 SRP14	22908.58673	21823.53419	20449.08784		
19377.85783					
ACSM1 ACSM1	0 0	6.690360818	11.76912106		
NPM3 NPM3	207.2939596	293.1519517	131.5770961		
159.8638945					
FLJ33360	FLJ33360	4.166712755	0	0	0
PARD6G-AS1	PARD6G-AS1	4.166712755	0.880336191		
3.345180409	2.942280266				
LEFTY1 LEFTY1	2.083356377	0.880336191	7.805420954		
2.942280266					
FGF6 FGF6	0 0	2.230120273	0.980760089		
HEBP1 HEBP1	320.8368821	435.7664148	555.2999479		
626.7056967					
USP12-AS1	USP12-AS1	0	0.880336191	0	0
SNTB2 SNTB2	1355.223324	1619.818592	1116.175196		
1468.197853					
PTTG1 PTTG1	8486.552203	9226.803622	3891.559876		
4895.954363					
MIA MIA	1.041678189	0	13.38072164	2.942280266	
C11orf65	C11orf65	38.54209298	12.32470668		
37.91204463	37.26888337				
NIFK NIFK	5299.016946	3651.634522	5616.557906		

5189.201629					
FAXDC2 FAXDC2	11.45846008	28.17075813	26.76144327		
18.63444168					
NLGN2 NLGN2	1.041678189	7.042689532	10.03554123		
5.884560532					
LRRC7 LRRC7	0 0	11.15060136	0		
DCAF15 DCAF15	465.6301503	1103.061248	355.7041835		
399.1693561					
SAMD1 SAMD1	131.2514518	248.254806	139.382517		
171.6330155					
THAP3 THAP3	3133.367992	2146.259635	2235.695573		
2469.553903					
REEP4 REEP4	3326.078457	3680.685616	2212.27931		
2839.300457					
PNPLA3 PNPLA3	2.083356377	7.923025723	5.575300681		
4.903800443					
C16orf70 C16orf70		2247.941531	1824.936925		
1679.280565	1836.963646				
SH3BP5L SH3BP5L	553.1311182	1070.488809	764.9312535		
693.3973827					
PSKH1 PSKH1	2072.939596	2427.967216	1780.751038		
2201.806399					
POMZP3 POMZP3	142.7099119	310.7586756	244.1981698		
286.3819459					
BTNL3 BTNL3	13.54181645	4.401680957	0 2.942280266		
SDK1 SDK1	0 2.641008574	13.38072164	45.11496408		
POLR2J2 POLR2J2	734.383123	732.4397113	782.7722157		
722.8201853					
ANKRD23 ANKRD23	192.7104649	267.6222022	113.7361339		
141.2294528					
HNRNPAB HNRNPAB	13652.23434	16707.02024	12940.27288		
14440.71155					
IFT27 IFT27	610.4234186	698.1065998	375.7752659		
429.5729188					
VIM VIM	31690.97553	34022.35279	16568.67856		
14937.95691					
PLN PLN	6.250069132	2.641008574	15.61084191		
18.63444168					
ZBED8 ZBED8	84.37593328	91.55496391	55.75300681		
112.7874102					
MRPS7 MRPS7	10841.78659	8252.271459	8415.358848		
8809.187116					
MRPS17 MRPS17	1494.808201	1220.145961	1314.655901		
1425.044409					
BRAP BRAP	4071.92004	3277.491641	4130.182745		
3423.83347					
PRR13 PRR13	15633.50626	11248.93585	12732.8717		
10973.72463					
MEX3C MEX3C	1663.560067	1730.740952	1933.514276		
1931.116615					

TNNC1	TNNC1	7.291747321	8.803361914	6.690360818
9.807600887				
IGDCC3	IGDCC3	0	0.880336191	0
CETP	CETP	10.41678189	14.08537906	64.6734879
31.38432284				
ERCC6L2	ERCC6L2	1839.603681	1500.973206	2817.756964
1909.539893				
NOM03	NOM03	555.2144746	570.4578521	400.3065889
508.0337259				
MIR6859-1	MIR6859-1		9.375103698	7.042689532
6.690360818	8.826840798			
MIR6864	MIR6864	1.041678189	3.521344766	0
KIDINS220	KIDINS220		3272.952869	2.942280266
4432.364042	3992.674321			4506.440964
HEG1	HEG1	395.8377117	1509.776568	968.9872584
1505.466736				
C6orf58	C6orf58	0	0	3.345180409
PHOSPH02-KLHL23	PHOSPH02-KLHL23		261.4612254	5.884560532
432.6433329	603.1674545			835.4390457
HK3	HK3	147.9183028	204.2379964	7.805420954
56.88408514				
PWP1	PWP1	6672.990477	4513.483654	5563.03502
5312.7774				
CFH	CFH	131.2514518	184.8706002	359.0493639
227.5363406				
PROSC	PROSC	8387.592775	6096.328126	7955.954072
6487.727987				
PRPF3	PRPF3	4787.552955	3677.164272	6191.928937
4561.515172				
STX11	STX11	4820.886657	4359.42482	3240.364756
3728.849857				
TBC1D12	TBC1D12	21.87524196	15.84605145	23.41626286
33.34584301				
CRACR2A	CRACR2A	964.5940027	1101.300575	693.5674048
960.1641268				
GVINP1	GVINP1	978.1358192	1732.501625	3400.933416
1846.771247				
SNORD78	SNORD78	47.91719668	14.96571525	50.17770613
39.23040355				
SNORD77	SNORD77	30.20866747	10.5640343	53.52288654
25.49976231				
SNORD76	SNORD76	65.62572589	42.25613719	100.3554123
77.480047				
SNORD75	SNORD75	6.250069132	9.683698106	28.99156354
9.807600887				
SNORD80	SNORD80	197.9188559	128.529084	225.2421475
265.785984				
SNORD79	SNORD79	90.62600242	41.375801	128.2319157
97.09524878				
NBEAL2	NBEAL2	1371.890175	4974.779818	829.6047414

1166.123745				
LOC101929567	LOC101929567	0	0.880336191	0
1.961520177				
LINC01237	LINC01237	3.125034566		1.760672383
2.230120273	5.884560532			
STAT4	STAT4	10055.31956	4301.322631	10173.80868
7034.011356				
NCKAP1L	NCKAP1L	6282.361156	14904.97206	5651.124771
9373.124167				
RARS	RARS	8894.890053	6770.665648	7531.11616
8514.95909				
SPEN	SPEN	4889.637418	4576.867859	6652.448773
4995.991892				
USP31	USP31	375.0041479	394.3906138	429.2981525
370.7273135				
SPATA19	SPATA19	0	0	1.961520177
DUSP7	DUSP7	372.9207916	579.261214	235.2776888
290.3049862				
SGCB	SGCB	2638.570852	2317.925192	1204.264947
1556.466261				
MN1	MN1	0	0	7.805420954
MMP13	MMP13	1.041678189	0	0
DSTN	DSTN	5312.558762	6410.608146	4607.428483
4377.132276				
PCCA	PCCA	470.8385413	669.9358417	362.3945443
604.1482146				
KLHL26	KLHL26	498.9638524	619.7566788	647.8499392
535.4950084				
NAP1L5	NAP1L5	335.4203768	289.630607	340.0933416
318.7470288				
PRR7-AS1	PRR7-AS1		5.208390943	18.48706002
22.30120273	24.51900222			
ARIH2	ARIH2	11687.62928	8217.938347	9258.344311
9391.758609				
ZNF516	ZNF516	39.58377117	87.15328295	379.1204463
185.3636568				
PDCD6IP	PDCD6IP	9592.81444	8189.767589	8640.600996
9243.663836				
EFCC1	EFCC1	2.083356377	13.20504287	13.38072164
9.807600887				
CNTNAP2	CNTNAP2	0	0	1.115060136
ARF3	ARF3	2455.235491	4959.814103	0.980760089
1905.616852				1683.740806
CDC14A	CDC14A	2110.44001	1290.572857	3096.521998
1812.444644				
CLDN5	CLDN5	22.91692015	7.042689532	23.41626286
9.807600887				
EDEM3	EDEM3	2634.404139	3165.688944	2668.338906
2311.651529				
EPB41L4B	EPB41L4B		26.04195472	25.52974955

11.15060136	12.74988115				
ADCK5 ADCK5	563.5479001	580.1415502	410.3421301		
687.5128222					
TAB2 TAB2	4191.713031	4868.259139	3332.914747		
2631.379318					
KLB KLB	18.7502074	23.76907717	14.49578177		
9.807600887					
MIR762 MIR762	290.6282146	236.8104355	217.4367266		
261.8629437					
MIR1296 MIR1296	1.041678189	1.760672383	4.460240545		
9.807600887					
MIR320C1	MIR320C1	1.041678189	3.521344766		
5.575300681	0				
MIR4638 MIR4638	0	1.760672383	0	0.980760089	
MIR206 MIR206	0	0	0	0.980760089	
C3orf49 C3orf49	4.166712755	4.401680957	4.460240545		
4.903800443					
MIR186 MIR186	2.083356377	0	2.230120273	2.942280266	
LINC00467	LINC00467	171.8769011	154.0588335		
120.4264947	169.6714953				
XPA XPA	781.2586415	689.3032379	819.5692002		
884.6456					
C10TNF9B-AS1	C10TNF9B-AS1	53.12558762	45.77748195		
28.99156354	34.3266031				
KLHL23 KLHL23	198.960534	779.0975294	344.5535821		
509.9952461					
B3GALT2 B3GALT2	62.50069132	76.58924866	91.43493117		
122.5950111					
LSM14A LSM14A	10203.23786	10658.23027	11427.13628		
9714.428678					
FTO FTO	3191.70197	3087.339023	2479.893743		
4097.61565					
TBC1D3P1-DHX40P1	TBC1D3P1-DHX40P1	0	1.760672383		
1.115060136	0.980760089				
GRAMD2 GRAMD2	0	1.760672383	7.805420954	0	
TM4SF1 TM4SF1	2.083356377	0	26.76144327	0	
ST8SIA2 ST8SIA2	1.041678189	0	0	1.961520177	
EIF3A EIF3A	22473.16524	17760.78266	17312.42368		
16455.19277					
RIPK1 RIPK1	2855.239915	2655.97429	3737.681577		
3035.452474					
RAB11FIP5	RAB11FIP5	365.6290442	718.3543322		
886.4728083	868.9534386				
CAMSAP1 CAMSAP1	381.2542171	858.3277867	690.2222243		
735.5700665					
MBTPS1 MBTPS1	6351.111916	5966.918706	6191.928937		
6435.747702					
RHOB RHOB	84.37593328	164.6228678	74.70902913		
59.82636541					
CALM1 CALM1	52026.61713	43690.20484	31138.05431		

33321.32401						
TAT	TAT	0	0	7.805420954	0	
ABCC8	ABCC8	0	0	0	3.923040355	
FABP2	FABP2	0	6.16235334	0	0	
CRIPT	CRIPT	1377.098565		1626.861282	1669.245024	
1200.450349						
ITPRIPL2	ITPRIPL2			548.9644054	655.8504626	
420.3776714	480.5724434					
LOC102723385	LOC102723385			70.83411683	68.66622293	
64.6734879	54.92256497					
PCDHB19P	PCDHB19P			0	0	2.230120273
MIR1277	MIR1277	0	0	1.115060136	0.980760089	0
MIR548H4	MIR548H4			0	0.880336191	3.345180409
	0.980760089					
MIR548G	MIR548G	0	0.880336191	0	0	
THUMPD2	THUMPD2	881.2597476		637.3634026	647.8499392	
632.5902572						
EPB41L4A-AS2	EPB41L4A-AS2			0	0	2.230120273
REEP2	REEP2	83.3342551		152.2981611	45.71746559	
112.7874102						
FLJ33581	FLJ33581			0	0.880336191	0
MIR5196	MIR5196	0	0.880336191	0	0	
LOC100128714	LOC100128714			0	0	0.980760089
FAM212B-AS1	FAM212B-AS1			1.041678189	7.042689532	0
	2.942280266					
LARGE-AS1	LARGE-AS1			0	0	2.230120273
3.923040355						
RRS1-AS1	RRS1-AS1			2.083356377	3.521344766	
2.230120273	4.903800443					
ISPD-AS1	ISPD-AS1			7.291747321	3.521344766	
5.575300681	2.942280266					
HTR5A0S	HTR5A0S	0	1.760672383	0	0	
FLJ33534	FLJ33534			0	8.803361914	0
5.884560532						
ADD3-AS1	ADD3-AS1			309.378422	322.2030461	
259.8090118	259.9014235					
LOC100128531	LOC100128531			3.125034566	0.880336191	0
	4.903800443					
SH3PXD2A-AS1	SH3PXD2A-AS1			73.9591514	108.2813515	
20.07108245	40.21116364					
LOC100507424	LOC100507424			1333.348082	1769.475745	
848.5607637	932.7028443					
WWTR1-AS1	WWTR1-AS1			2.083356377	0	0
0.980760089						
LOC100131289	LOC100131289			51.04223125	91.55496391	
41.25722504	61.78788559					
LOC728175	LOC728175			8.33342551	4.401680957	0
	1.961520177					
LOC399715	LOC399715			7.291747321	11.44437049	
50.17770613	36.28812328					

LOC100130992	LOC100130992	40.62544936	88.91395534
121.5415549	191.2482173		
LOC100506123	LOC100506123	29.16698928	13.20504287
39.02710477	8.826840798		
LOC152578	LOC152578	0	0.880336191
0			5.575300681
LINC00862	LINC00862	1.041678189	1.760672383
3.345180409	2.942280266		
OR4D10	OR4D10	0	0
		1.115060136	
NACC2	NACC2	89.58432423	207.7593412
312.8624683			284.3403347
AKAP11	AKAP11	3159.409946	1311.700925
1296.564837			2266.917257
IMPG2	IMPG2	0	5.282017149
		11.15060136	11.76912106
ZNF208	ZNF208	9.375103698	16.72638764
38.24964346			94.78011158
ZNF184	ZNF184	1435.432544	1325.786304
1645.715429			1742.838993
AARS	AARS	15682.46513	15315.20872
17245.6854			24486.72059
DMGDH	DMGDH	1.041678189	3.521344766
			0
ZSCAN5A	ZSCAN5A	360.4206533	251.7761508
333.4584301			320.0222591
OXT	OXT	12.50013826	16.72638764
31.38432284			33.45180409
OPRK1	OPRK1	0	0
		22.30120273	
RPS15	RPS15	15238.71022	15967.53784
15530.336			15649.86901
OXTR	OXTR	35.41705842	32.57243908
42.17268381			1.115060136
PIK3R3	PIK3R3	402.0877808	597.748274
235.3824213			177.2945617
THOC6	THOC6	4436.507406	3862.034872
3588.601164			2879.085272
SNORA51	SNORA51	93.75103698	76.58924866
90.22992816			74.70902913
RIPK3	RIPK3	1028.136372	1027.352335
1084.720658			912.1191915
UFL1	UFL1	2762.530556	3034.518852
2707.878605			2738.587695
CREB1	CREB1	4897.970843	4666.662151
4584.072654			4634.189926
OSCP1	OSCP1	73.9591514	52.82017149
96.11448869			60.21324736
FGD5P1	FGD5P1	0	0
		4.460240545	
BCAS3	BCAS3	746.8832613	826.6356838
1146.508544			758.2408927
LOC285740	LOC285740	80.20922053	68.66622293
70.24878858	79.44156718		
CNTF	CNTF	36.4587366	32.57243908
			85.85963049

23.53824213					
NUPR1L NUPR1L	2.083356377	0	12.2656615	3.923040355	
SUPT20HL1	SUPT20HL1	0	0	6.690360818	0
HS3ST3B1	HS3ST3B1	994.8026702		1719.296582	
274.3047935	425.6498785				
EPHA3 EPHA3	0 0	0	0.980760089		
ASCL2 ASCL2	19.79188559	33.45277527		15.61084191	
61.78788559					
GZMA GZMA	7783.419426	10144.11393		2738.587695	
3358.122544					
KIAA0355	KIAA0355	325.0035949		467.4585177	
664.5758412	628.6672168				
SPATA6 SPATA6	11.45846008	17.60672383		44.60240545	
38.24964346					
LPIN2 LPIN2	2186.482518	4116.452031		10273.04904	
6747.62941					
MEDAG MEDAG	0 0	0	3.923040355		
SPC25 SPC25	2997.949827	2290.63477		1679.280565	
2073.326827					
TMEM194B	TMEM194B	1092.72042		2451.736293	
1078.263152	1907.578372				
TMEM194A	TMEM194A	4095.878638		5387.657492	
5577.530802	6364.152215				
ABI3 ABI3	7663.626434	5346.281691		3388.667754	
3921.078834					
CCDC102B	CCDC102B	20.83356377		29.05109432	
79.16926967	44.13420399				
MGLL MGLL	44.79216211	110.9223601		156.1084191	
142.2102129					
EBF4 EBF4	3.125034566	3.521344766		0 11.76912106	
MTMR11 MTMR11	465.6301503	211.2806859		37.91204463	
110.82589					
CBR3 CBR3	2394.818156	1867.193062		1417.241433	
1393.660086					
ZDHC5 ZDHC5	10546.99166	8428.338697		8781.098573	
8542.420372					
HEYL HEYL	4.166712755	1.760672383		49.062646	
2.942280266					
CRACR2B CRACR2B	44.79216211	44.89714576		1.115060136	
10.78836098					
TMEM59L TMEM59L	2.083356377	0 0	0		
STAP1 STAP1	1717.727333	1859.270036		719.2137879	
850.3189969					
STK32B STK32B	0 0	0	1.961520177		
CFL1P1 CFL1P1	27.08363291	7.923025723		40.14216491	
15.69216142					
LOC100132891	LOC100132891	228.1275233		576.6202054	
234.1626286	417.8037978				
CAPN11 CAPN11	22.91692015	0 0	0.980760089		
CWC15 CWC15	4480.25789	3317.987106		4052.128535	

3378.718505				
NDUFA4L2	NDUFA4L2	36.4587366	62.50386959	
45.71746559	73.55700665			
SPDYE5 SPDYE5	9.375103698	23.76907717	37.91204463	
34.3266031				
DCDC2B DCDC2B	55.208944	66.02521436	66.90360818	
89.24916807				
RGPD6 RGPD6	6.250069132	7.923025723	12.2656615	
7.846080709				
LINC00925	LINC00925	12.50013826	8.803361914	
115.9662542	69.6339663			
C10orf76	C10orf76	2721.905107	2606.675463	
2113.038958	2140.018513			
ZNF426 ZNF426	969.8023937	873.2935019	1398.285411	
1167.104506				
KLHL12 KLHL12	5859.439811	4836.567036	4872.812795	
5845.330128				
ZNF350 ZNF350	822.9257691	699.8672722	1520.942026	
1160.239185				
LOC101928891	LOC101928891	0	2.641008574	0
0.980760089				
ZMYND10 ZMYND10	64.5840477	58.98252483	15.61084191	
34.3266031				
ATAD2B ATAD2B	1107.303915	1213.983608	1393.82517	
1430.928969				
COQ3 COQ3	1934.396396	1625.100609	1207.610128	
1498.601415				
PLEKHG2 PLEKHG2	409.3795282	1206.940918	330.0578003	
564.9178111				
AG01 AG01	1285.430885	2744.007909	1217.645669	
2020.365783				
GABARAPL1	GABARAPL1	1005.219452	598.6286102	
3015.122608	872.8764789			
C16orf52	C16orf52	34.37538023	133.8111011	
37.91204463	89.24916807			
GDE1 GDE1	5839.647926	4928.122	2900.271414	
2399.919937				
AHSP AHSP	0	1.760672383	0	0.980760089
CCDC39 CCDC39	4.166712755	6.16235334	11.15060136	
5.884560532				
MLLT4 MLLT4	693.7576737	500.9112929	403.6517693	
254.9976231				
FAM19A1 FAM19A1	4.166712755	2.641008574	12.2656615	
9.807600887				
SFXN1 SFXN1	16994.97965	16375.1335	14686.45705	
17494.79846				
F11R F11R	905.218346	914.6693029	2483.238923	
1620.215666				
C11orf1 C11orf1	577.0897165	543.1674301	1041.466167	
648.2824186				

C2orf195	C2orf195	6.250069132	0.880336191	
1.115060136	9.807600887			
PFKP PFKP	16677.2678	16339.92005	8691.893762	
14626.0752				
COX17 COX17	4074.003396	4501.158947	4027.597212	
3654.31209				
HOXA1 HOXA1	15.62517283	23.76907717	5.575300681	
17.6536816				
HMGB1 HMGB1	43236.93658	50623.73269	30731.05736	
38602.71709				
CCAR1 CCAR1	11583.46146	9534.921289	8526.864862	
9652.640793				
SCARNA18	SCARNA18	1.041678189	0	2.230120273
0.980760089				
GBP1P1 GBP1P1	37.50041479	19.36739621	805.0734184	
302.0741073				
SCARNA1 SCARNA1	12.50013826	4.401680957	53.52288654	
22.55748204				
SNORA36B	SNORA36B	0	2.230120273	0
SNORA81 SNORA81	75.00082959	66.90555055	153.8782988	
112.7874102				
SNORD50A	SNORD50A	27.08363291	14.96571525	
50.17770613	20.59596186			
SNORA76A	SNORA76A	5.208390943	8.803361914	
13.38072164	4.903800443			
SNORA54 SNORA54	1.041678189	1.760672383	1.115060136	
3.923040355				
SNORA55 SNORA55	0	0.880336191	1.115060136	0
SNORA60 SNORA60	6.250069132	1.760672383	7.805420954	
5.884560532				
SNORA74B	SNORA74B	1.041678189	7.923025723	
1.115060136	0			
SNORA61 SNORA61	52.08390943	73.94824008	63.55842777	
72.57624656				
SNORD56 SNORD56	32.29202385	27.29042193	45.71746559	
41.19192372				
SNORD57 SNORD57	64.5840477	51.93983529	78.05420954	
89.24916807				
SNORA46 SNORA46	0	4.401680957	0	0
SNORA45B	SNORA45B	31.25034566	31.69210289	
33.45180409	38.24964346			
SNORD61 SNORD61	5.208390943	10.5640343	20.07108245	
12.74988115				
SNORA44 SNORA44	12.50013826	24.64941336	15.61084191	
37.26888337				
PIF1 PIF1	1151.054399	1411.178915	216.3216664	
742.4353871				
FAM188A FAM188A	1443.76597	1035.275361	1123.980617	
836.5883556				
MEIG1 MEIG1	40.62544936	24.64941336	60.21324736	

50.01876452					
NMRAL1	NMRAL1	2093.773159	2089.918118	1475.22456	
2050.769345					
UPB1	UPB1	1.041678189	0	10.03554123	11.76912106
RRP8	RRP8	2204.191047	1628.621954	2454.24736	
2364.612574					
CLK4	CLK4	1103.137202	1185.81285	1999.302824	
1690.830393					
NCK2	NCK2	5141.723539	2662.136643	6840.893936	
5105.837022					
MFSD2B	MFSD2B	4.166712755	3.521344766	2.230120273	
6.865320621					
IGFBPL1	IGFBPL1	1.041678189	0	0	0
B4GALT7	B4GALT7	853.1344365	670.8161779	1194.229406	
984.683129					
C22orf29	C22orf29		1151.054399	1283.530167	
1130.670978		1262.238234			
SH3RF1	SH3RF1	44.79216211	90.67462772	50.17770613	
25.49976231					
GLIS2	GLIS2	4.166712755	9.683698106	5.575300681	
8.826840798					
ZSCAN25	ZSCAN25	1728.144115	1578.442791	1912.328134	
2063.519227					
IRGM	IRGM	0	10.5640343	21.18614259	25.49976231
ITGB7	ITGB7	27431.55342	16767.76344	9265.034672	
8394.325599					
ADIPOR1	ADIPOR1	15916.84272	11235.73081	13019.44215	
11813.25527					
RFT1	RFT1	4567.758857	3643.711496	3244.824997	
3670.985012					
CREB3L1	CREB3L1	6.250069132	1.760672383	3.345180409	
4.903800443					
RPUSD3	RPUSD3	4283.380712	3006.348094	2805.491303	
3383.622306					
C9orf152	C9orf152		2.083356377	0	0
PAPLN	PAPLN	37.50041479	44.89714576	57.98312709	0
32.36508293					
IL12A	IL12A	213.5440287	228.8874098	82.51445008	
45.11496408					
PSMB3	PSMB3	24657.5644	18506.42742	18179.94046	
15850.06379					
PSMC3	PSMC3	18582.49721	14632.06784	11709.24649	
14358.3277					
PBX2	PBX2	0	0	0.980760089	
SMIM12	SMIM12	5513.602653	4300.442295	4987.66399	
5212.739871					
CALM2	CALM2	50838.06232	40027.12595	49927.93266	
46380.14459					
ZNF575	ZNF575	53.12558762	96.83698106	55.75300681	
88.26840798					

MCMDC2	MCMDC2	446.879943	620.637015	1742.838993
1011.163651				
SEMA3G	SEMA3G	17.70852921	79.23025723	56.86806695
22.55748204				
ESYT3	ESYT3	7.291747321	14.96571525	0 10.78836098
C10orf25	C10orf25		93.75103698	122.3667306
159.4535995		107.8836098		
ENDOG	ENDOG	3180.24351	2196.438798	2547.912411
2638.244639				
GRAP	GRAP	1253.138861	1203.419574	1975.886561
1342.660561				
FXR1	FXR1	3846.917551	3739.668141	4188.165872
3199.239409				
FBX016	FBX016	6.250069132	17.60672383	8.92048109
5.884560532				
TSKU	TSKU	2.083356377	31.69210289	30.10662368
52.96104479				
SNORD58A	SNORD58A		12.50013826	2.641008574
23.41626286		10.78836098		
CYS1	CYS1	183.3353612	348.6131318	15.61084191
67.67244612				
TEX30	TEX30	6162.568164	4590.953238	3476.757505
3393.429907				
LRRC1	LRRC1	213.5440287	276.4255641	236.3927489
201.0558182				
LY6G5B	LY6G5B	3.125034566	4.401680957	0 2.942280266
OVOL2	OVOL2	0 1.760672383	0	0.980760089
ABHD17C	ABHD17C	203.1272468	310.7586756	388.0409274
479.5916834				
UBQLN4	UBQLN4	807.3005962	1278.24815	1176.388444
1121.989541				
ATHL1	ATHL1	725.0080193	1498.332198	563.1053688
1733.983837				
KIAA0196	KIAA0196		7206.329709	7246.047192
4156.944188		5524.621579		
RNMT	RNMT	1346.889898	1544.10968	2066.206433
1733.983837				
CCNE2	CCNE2	7378.206611	4616.482988	3305.038244
2847.146537				
LRGUK	LRGUK	3.125034566	2.641008574	5.575300681
1.961520177				
OSM	OSM	12424.09576	5041.685368	3629.520744
1657.48455				
LINC00563	LINC00563		1.041678189	11.44437049
53.52288654		7.846080709		
C1orf213	C1orf213		34.37538023	58.10218863
70.24878858		68.65320621		
MIR339	MIR339	0 1.760672383	14.49578177	0.980760089
LINC01252	LINC01252		7.291747321	13.20504287
5.575300681		1.961520177		

LYSMD3	LYSMD3	2483.360802	2476.385707	3208.028012
1902.674572				
LMOD3	LMOD3	8.33342551	12.32470668	5.575300681
6.865320621				
COL19A1	COL19A1	8.33342551	6.16235334	2.230120273
10.78836098				
GEMIN4	GEMIN4	5596.936908	4838.327708	4669.871851
5473.622055				
ZNF891	ZNF891	165.626832	128.529084	372.4300855
166.7292151				
CLOCK	CLOCK	602.0899931	613.5943254	674.6113824
433.4959592				
OR1L3	OR1L3	2.083356377	0	0
XCR1	XCR1	1.041678189	0	8.826840798
RSG1	RSG1	66.66740408	98.59765344	36.7969845
91.21068825				
UFSP1	UFSP1	21.87524196	22.88874098	76.9391494
42.17268381				
BTD	BTD	973.9691064	914.6693029	870.8619664
792.4541516				
CDC37L1	CDC37L1	748.9666177	801.9862704	1573.349852
1162.200705				
SLURP1	SLURP1	0	1.760672383	0
METTL25	METTL25	595.8399239	449.8517938	422.6077916
538.4372887				
TDRD12	TDRD12	39.58377117	0	18.95602232
NSMAF	NSMAF	6606.323073	5415.82825	4774.687503
5857.09925				
LGALS3BP	LGALS3BP		6813.617032	3462.362241
11983.55128	4893.012082			
LOC100507431	LOC100507431		0	3.521344766
4.903800443				1.115060136
MPP6	MPP6	546.8810491	617.1156702	660.1156007
420.746078				
TSC22D4	TSC22D4	858.3428275	2102.242825	941.110755
989.5869295				
PROKR2	PROKR2	0	1.760672383	0
LOC101927415	LOC101927415		19.79188559	15.84605145
31.22168382	39.23040355			
CAPN6	CAPN6	2.083356377	0	0
DUPD1	DUPD1	8.33342551	10.5640343	7.805420954
8.826840798				
C4orf47	C4orf47	2.083356377	3.521344766	1.115060136
6.865320621				
OIP5	OIP5	2325.025717	2162.986022	984.5981003
1339.718281				
ATP6V0A2	ATP6V0A2		6403.195826	5663.20272
6526.446978	6997.723233			
CKMT1A	CKMT1A	2.083356377	2.641008574	3.345180409
0.980760089				

FAM168B	FAM168B	4509.424879	6185.242081	5507.282013	
5103.875501					
FLG2	FLG2	0	0.880336191	4.460240545	0
ZSCAN5B	ZSCAN5B	3.125034566	4.401680957	1.115060136	0
FAM132A	FAM132A	2.083356377	7.042689532	4.460240545	
7.846080709					
KIF4B	KIF4B	5.208390943	3.521344766	1.115060136	
2.942280266					
RPS6KL1	RPS6KL1	114.5846008	137.3324459	60.21324736	
76.49928692					
CTF1	CTF1	10.41678189	9.683698106	18.95602232	
17.6536816					
CREBL2	CREBL2	2938.57417	3210.58609	3712.035194	
3597.428005					
HSD17B6	HSD17B6	122.9180263	136.4521097	84.74457036	
124.5565313					
HSPH1	HSPH1	21597.11389	13960.37132	21211.78897	
17013.24526					
FBP2	FBP2	2.083356377	0	1.961520177	
DLK1	DLK1	1.041678189	0	0	
MAP1LC3B2	MAP1LC3B2		34.37538023	73.06790389	
61.32830749		46.09572417			
MT1A	MT1A	2.083356377	12.32470668	7.805420954	
6.865320621					
AQP6	AQP6	18.7502074	1.760672383	14.49578177	
11.76912106					
CNPY1	CNPY1	0	0.880336191	0	0
CKAP2L	CKAP2L	3273.994547	3471.165603	1859.920307	
2221.421601					
ENTHD1	ENTHD1	27.08363291	16.72638764	27.87650341	
22.55748204					
PXMP2	PXMP2	1303.139414	1287.931848	500.6620012	
747.3391876					
UBXN4	UBXN4	11173.04025	9864.167025	9075.474449	
9749.736041					
TRABD	TRABD	6549.030772	6016.217532	3629.520744	
4579.168854					
OSMR	OSMR	2.083356377	10.5640343	1.115060136	
6.865320621					
HSPB8	HSPB8	0	0.880336191	0	0
PISD	PISD	2775.030695	2702.632108	2675.029267	
3561.139882					
TMEM50A	TMEM50A	16768.93548	12079.97322	13326.08369	
10841.32202					
ATG2B	ATG2B	809.3839526	1731.621289	1450.693237	
1305.391678					
LOC79999	LOC79999		1.041678189	0	2.230120273
0					
CDKL4	CDKL4	48.95887487	29.05109432	7.805420954	
25.49976231					

KDM4D	KDM4D	173.9602575	97.71731725	120.4264947
102.9798093				
METTL24	METTL24	0	0	6.690360818
5.884560532				
SYCE2	SYCE2	73.9591514	161.9818592	117.0813143
115.7296905				
MBD2	MBD2	6560.489232	5400.862534	3955.118303
4860.646999				
ZNF772	ZNF772	477.0886104	407.5956566	651.1951196
357.9774324				
CRYBA1	CRYBA1	0	0.880336191	6.690360818
3.923040355				
CHKB	CHKB	1933.354718	2888.383044	2070.666673
2806.935374				
C17orf78	C17orf78		2.083356377	2.641008574
12.2656615	2.942280266			
WSCD1	WSCD1	0	0	3.923040355
BICD2	BICD2	2340.65089	2923.596492	2671.684086
2292.036327				
SELK	SELK	6718.824317	5100.667893	5816.153671
4256.498785				
NTN4	NTN4	1.041678189	18.48706002	0
33.34584301				
PHF11	PHF11	3445.871448	2250.139305	4908.49472
3639.600689				
SKIDA1	SKIDA1	1.041678189	0	0
HN1L	HN1L	2264.608382	2599.632773	1701.581768
1556.466261				
FSTL3	FSTL3	58.33397857	54.58084387	212.976486
75.51852683				
FRMD4B	FRMD4B	4946.929718	5085.702178	2905.846715
4602.707096				
INTU	INTU	6.250069132	7.042689532	0
8.826840798				
KDELR1	KDELR1	1179.17971	1530.904637	1130.670978
1163.181465				
OAZ3	OAZ3	1890.645912	1277.367814	1509.791425
1305.391678				
GCM2	GCM2	0	0.880336191	2.230120273
GPR55	GPR55	401.0461026	641.7650836	182.8698623
121.614251				
MAPKAPK3	MAPKAPK3		14860.58104	9646.723986
9435.638873	9495.719178			
CD2AP	CD2AP	722.924663	1181.411169	1726.113091
1162.200705				
TUBE1	TUBE1	1698.977126	1347.794709	1946.894998
1905.616852				
TPX2	TPX2	18368.95318	16805.61789	8065.229966
11713.21774				
CCDC147-AS1	CCDC147-AS1		12.50013826	13.20504287
47.94758586	22.55748204			
LOC102577426	LOC102577426		2.083356377	4.401680957
4.460240545	2.942280266			
TYK2	TYK2	8385.509419	9521.716247	6460.65843

8087.347691						
RASA3 RASA3	3418.787815	5968.679378	2479.893743			
3335.565062						
RALY RALY	14867.87279	13757.01366	12009.19767			
12207.52082						
ARHGAP31	ARHGAP31	832.3008728	336.2884251			
1187.539045	841.4921561					
POLR2K POLR2K	5382.351201	5396.460854	5318.83685			
5299.046759						
LOC101927043	LOC101927043	2.083356377	0 0 0			
LOC100506457	LOC100506457	0 0	3.345180409			0
FUCA2 FUCA2	2376.067948	1743.065659	1257.787834			
1433.87125						
SCRG1 SCRG1	1.041678189	1.760672383	4.460240545			
2.942280266						
MRPS5 MRPS5	6102.150829	4249.382796	4658.721249			
4692.937024						
SLC35A4 SLC35A4	12514.72176	9284.905811	11169.55739			
10698.13105						
CCDC104 CCDC104	557.297831	832.7980371	867.516786			
1080.797618						
TSPAN3 TSPAN3	2379.192983	2574.98336	3305.038244			
3160.989766						
GPX7 GPX7	1260.430608	1357.478407	943.3408753			
1095.509019						
GLB1L2 GLB1L2	130.2097736	348.6131318	121.5415549			
344.2467911						
CLMP CLMP	32.29202385	57.22185244	36.7969845			
82.38384745						
VLDLR VLDLR	81.25089872	136.4521097	103.7005927			
144.171733						
LINC01506	LINC01506	3.125034566	2.641008574			0
0						
DPP9-AS1	DPP9-AS1	1621.89294	1125.069653			
1260.017954	1191.623508					
LOC100287036	LOC100287036	1.041678189	13.20504287			
10.03554123	8.826840798					
REX01 REX01	756.258365	875.0541743	531.883685			
655.1477392						
DLL4 DLL4	0 0	16.72590204	0			
LOC100270746	LOC100270746	0 2.641008574	0			
0.980760089						
RAB5A RAB5A	6980.285542	4655.21778	4935.256163			
5045.029896						
GEMIN8P4	GEMIN8P4	51.04223125	36.09378385			
80.28432981	44.13420399					
STX19 STX19	0 5.282017149	0	0			
C8orf82 C8orf82	531.2558762	597.748274	547.4945269			
754.2045082						
DENND6B DENND6B	200.0022122	170.7852211	196.250584			

154.960094					
TMEM198	TMEM198	3.125034566	23.76907717	11.15060136	
20.59596186					
MIR1184-1	MIR1184-1		405.2128154	410.2366652	
473.9005579	553.14869				
MIR3194	MIR3194	1.041678189	5.282017149	0	0
MIR3192	MIR3192	1.041678189	0	0	0
MIR320E	MIR320E	3.125034566	1.760672383	11.15060136	
1.961520177					
PRPF8	PRPF8	20886.68936	37539.29588	29755.37974	
29105.03639					
MYH7	MYH7	50.00055306	11.44437049	72.47890886	
14.71140133					
POLR2M	POLR2M	2923.990676	3170.970962	4261.759841	
3690.600214					
SPAST	SPAST	1757.311104	2173.550057	1334.726983	
1591.773624					
DPY19L2P3	DPY19L2P3		0	5.282017149	5.575300681
5.884560532					
VPS9D1-AS1	VPS9D1-AS1		120.8346699	165.503204	
131.5770961	143.1909729				
TMEM198B	TMEM198B		259.377869	454.2534748	
113.7361339	299.131827				
PCDHGB3	PCDHGB3	4.166712755	4.401680957	33.45180409	
12.74988115					
ACAD11	ACAD11	693.7576737	691.0639103	716.9836676	
1252.430633					
DNAJC30	DNAJC30	498.9638524	484.1849053	850.790884	
559.0332505					
NRK	NRK	0	0	0.980760089	
FOXK2	FOXK2	494.7971396	1217.504953	526.3083843	
600.2251743					
NBN	NBN	4838.595187	4653.457108	5488.325991	
4521.304009					
AAK1	AAK1	1788.56145	2507.197473	1857.690187	
1733.983837					
GNA14	GNA14	2.083356377	0.880336191	0	3.923040355
ASUN	ASUN	6436.529528	4010.811688	4308.592367	
4824.358876					
DNAJC17	DNAJC17	1323.972978	1155.881419	997.978822	
1344.622082					
VSTM2B	VSTM2B	0	1.760672383	0	0
NYX	NYX	0	1.760672383	0	0
TCEB3B	TCEB3B	0	1.760672383	0	0
MAPRE3	MAPRE3	34.37538023	44.89714576	82.51445008	
126.5180514					
RARRES3	RARRES3	2383.359696	4546.056093	5923.199444	
3787.695462					
MMP20	MMP20	0	1.760672383	0	0.980760089
DUSP19	DUSP19	93.75103698	211.2806859	151.6481785	

152.0178137					
RALGAPA1	RALGAPA1	1445.849326		1405.896898	
1960.27572	1316.180039				
C17orf70	C17orf70	1979.188559		2364.58301	
1844.309465	2544.09167				
MYL12A MYL12A	50104.72088	40779.8134		35698.65026	
36227.31616					
OSTF1 OSTF1	10807.41121	13033.37731		5042.301936	
7300.7781					
ELL ELL	1982.313593	1741.304987		2074.011853	
2006.635141					
TWSG1 TWSG1	1290.639276	685.7818931		1430.622155	
582.5714927					
FSTL4 FSTL4	0 1.760672383 0			0.980760089	
LINC00899	LINC00899	60.41733494		32.57243908	
92.54999131	64.73016585				
GUSBP1 GUSBP1	478.1302886	403.1939757		398.0764686	
377.5926341					
BSN-AS2 BSN-AS2	8.33342551	8.803361914		0 0.980760089	
MORC2-AS1	MORC2-AS1	243.7526962		351.2541404	
349.0138227	218.7094998				
RPL21P28	RPL21P28	27221.13443		26889.86897	
45047.31444	33644.97484				
KLHL22 KLHL22	1548.975467	1258.000418		1106.139655	
1084.720658					
EPHA1-AS1	EPHA1-AS1	0 0		18.95602232	
24.51900222					
LINC01116	LINC01116	1.041678189		0 0 0	
TMLHE-AS1	TMLHE-AS1	2.083356377		2.641008574	
2.230120273	7.846080709				
LINC00892	LINC00892	2780.239086		1777.398771	
1365.948667	1546.65866				
LOC284865	LOC284865	0 0		6.690360818	0
TOB1-AS1	TOB1-AS1	35.41705842		88.03361914	
49.062646	59.82636541				
MIR4446 MIR4446	3.125034566	0 3.345180409 0			
UBL7-AS1	UBL7-AS1	586.4648202		649.6881093	
349.0138227	462.9187619				
SLC8A1-AS1	SLC8A1-AS1	233.3359143		364.4591833	
61.32830749	129.4603317				
LOC286437	LOC286437	11.45846008		29.93143051	
59.09818722	41.19192372				
CACNA1G-AS1	CACNA1G-AS1	3.125034566		0.880336191	0
0					
LINC00629	LINC00629	7.291747321		9.683698106	0
0					
EHHADH-AS1	EHHADH-AS1	41.66712755		58.10218863	
12.2656615	32.36508293				
RNASEH1-AS1	RNASEH1-AS1	470.8385413		307.2373308	
461.6348964	384.4579548				

ABCC2	ABCC2	15.62517283	25.52974955	88.08975076
43.1534439				
HSF1	HSF1	1281.264172	2106.644506	1305.73542
1252.430633				
ANKRD9	ANKRD9	250.0027653	270.2632108	172.8343211
231.4593809				
IFNGR1	IFNGR1	2177.107414	1977.235086	3616.140022
3002.106631				
GPR137B	GPR137B	538.5476236	511.4753272	671.266202
706.1472638				
ID3	ID3	454.1716903	889.1395534	893.1631691
1568.235382				
ID2	ID2	7001.119106	6598.119755	7408.459545
7786.254344				
ID01	ID01	0	51.29276627	7.846080709
IRF8	IRF8	664.5906844	789.6615637	3684.15869
8610.092818				
ICAM3	ICAM3	6170.90159	5824.304243	4039.862874
5455.968373				
PPIC	PPIC	1.041678189	0	3.345180409
SIM1	SIM1	4.166712755	64.26454197	0
MORN3	MORN3	91.66768061	61.6235334	124.8867353
160.8446545				
VGLL3	VGLL3	1.041678189	0.880336191	1.115060136
0.980760089				
ATXN7L3	ATXN7L3	941.6770826	2479.026715	1090.528813
1037.644174				
TRAPPC2L	TRAPPC2L		3995.877532	2973.775655
3677.468329	2768.68573			
SCN4A	SCN4A	0	14.08537906	0
BOP1	BOP1	7854.253543	4879.703509	5576.415741
6418.09402				
SLC22A13	SLC22A13		2.083356377	0
14.71140133				14.49578177
POLD3	POLD3	4512.549913	4378.792216	2987.246105
3688.638693				
PCDHGC3	PCDHGC3	4.166712755	5.282017149	43.48734531
10.78836098				
CNOT6L	CNOT6L	1872.937383	3668.36091	2805.491303
3031.529434				
RBM42	RBM42	5464.643778	5476.571447	3713.150254
4146.653655				
NAV1	NAV1	41.66712755	62.50386959	153.8782988
136.3256523				
GGT7	GGT7	44.79216211	170.7852211	389.1559876
470.7648426				
GPR114	GPR114	1472.932959	2431.488561	1116.175196
1320.103079				
CREG2	CREG2	4.166712755	46.65781815	0
TTL	TTL	2510.444435	2203.481487	0.980760089
				1910.098013

1968.385498					
SPICE1	SPICE1	1017.71959	947.241742	944.4559354	
1085.701418					
SNORD87	SNORD87	20.83356377	22.00840479	65.78854804	
63.74940576					
FLJ44313	FLJ44313		0	2.641008574	0
RNA45S5	RNA45S5	13377.2313	661412.4267	36051.00927	0
22163.21648					
ZNF106	ZNF106	6149.026348	6816.44313	5312.146489	
5272.566237					
PDCD11	PDCD11	4070.878361	4714.200305	4105.651422	
4767.474791					
SGTB	SGTB	1062.511752	1052.001749	1242.176992	
993.5099698					
HIST1H2AB	HIST1H2AB		10.41678189	33.45277527	
13.38072164	15.69216142				
HIST1H2AC	HIST1H2AC		494.7971396	353.895149	
324.4824997	250.0938226				
ARL6IP5	ARL6IP5	23284.63255	19441.34445	16916.57733	
14666.28637					
NUP93	NUP93	11778.25528	9519.075238	8600.458831	
10158.713					
ZNF548	ZNF548	635.4236951	848.6440885	1098.334234	
1043.528734					
STAU1	STAU1	6013.608183	5832.227268	6500.800594	
6120.923713					
PGP	PGP	3062.533875	2693.828746	1969.196201	
2093.922789					
ZNF486	ZNF486	265.6279381	249.1351422	469.4403174	
411.9192372					
RCSD1	RCSD1	15508.50487	12543.91039	5879.712099	
7898.060994					
NTNG2	NTNG2	111.4595662	115.3240411	40.14216491	
31.38432284					
ACOT13	ACOT13	2581.278552	3432.43081	2411.875075	
2628.437038					
LOC100289333	LOC100289333		0	0	3.345180409
10.78836098					
LOC102546294	LOC102546294		4.166712755	12.32470668	
10.03554123	16.67292151				
LOC100506142	LOC100506142		5.208390943	8.803361914	
5.575300681	0.980760089				
ERGIC2	ERGIC2	4643.801365	3972.076896	5237.43746	
4819.455076					
SLC13A1	SLC13A1	0	0	5.575300681	0
FAM20A	FAM20A	3.125034566	6.16235334	0	17.6536816
KISS1R	KISS1R	28.12531109	80.99092961	33.45180409	
254.9976231					
PARP10	PARP10	7137.578949	4733.567701	8069.690206	
5551.102102					

MSANTD4 MSANTD4	1148.971042	1015.027629	1180.848684
979.7793286			
PLEKHM1P PLEKHM1P	456.2550466	536.1247406	
607.7077743 486.457004			
FAM184B FAM184B	28.12531109	14.08537906	104.8156528
46.09572417			
ZXDB ZXDB	354.1705842	398.7922947	928.8450935
500.1876452			
MRPL15 MRPL15	6909.451426	4185.118254	5474.945269
5183.317069			
NELFB NELFB	1462.516177	3345.277527	1572.234792
1642.773149			
ACSM3 ACSM3	348.9621932	323.0833823	437.1035734
449.1881206			
DDX11 DDX11	2930.240745	3556.558213	1481.914921
3020.741073			
SLC7A60S SLC7A60S	1828.145221	1417.341268	
2243.500994 1723.195476			
ZUFSP ZUFSP	1723.977402	1088.095533	1751.759474
1414.256048			
RILPL2 RILPL2	4068.795005	4124.375057	3296.117763
3592.524205			
UPRT UPRT	1512.51673	1172.607807	1480.799861
2137.076233			
RNF183 RNF183	0 0.880336191	5.575300681	0
PITPNM2 PITPNM2	146.8766246	380.3052347	170.6042008
205.9596186			
MOC3 MOC3	979.1774974	838.0800542	1225.45109
1172.989066			
METTL7A METTL7A	250.0027653	548.4494473	102.5855325
166.7292151			
DCPS DCPS	4114.628845	4075.07623	3041.884052
3582.716604			
LYL1 LYL1	127.084739	57.22185244	85.85963049
70.61472638			
CCDC179 CCDC179	0 0	0 0.980760089	
ACTG2 ACTG2	104.1678189	45.77748195	406.9969497
107.8836098			
CAMK4 CAMK4	3445.871448	1883.039113	6108.299426
3362.045584			
LRP12 LRP12	528.1308417	868.8918209	318.907199
578.6484523			
AFG3L2 AFG3L2	5885.481766	4400.800621	4998.814591
5126.432983			
KANSL2 KANSL2	3965.668864	2891.024053	4582.89716
3623.908528			
TCIRG1 TCIRG1	6496.946863	7053.253566	4344.274291
6583.842475			
SH2B3 SH2B3	2532.319677	1367.162105	2492.159405
2131.191673			

ADPRHL1	ADPRHL1	16.66685102	10.5640343	0	5.884560532
LHFPL1	LHFPL1	27.08363291	6.16235334		18.95602232
		23.53824213			
EXOC8	EXOC8	377.0875043	640.0044112		676.8415027
		444.2843202			
ANKRD54	ANKRD54	2588.570299	2148.020307		1673.705265
		1623.157947			
C12orf60	C12orf60		290.6282146		211.2806859
		284.3403347			206.9403787
PRTG	PRTG	0	0	1.115060136	2.942280266
HEATR3	HEATR3	1028.136372	1007.984939		806.1884785
		1088.643698			
ANKRD17	ANKRD17	3275.036225	5021.437636		3846.95747
		3557.216842			
DGCR14	DGCR14	1468.766246	858.3277867		1315.770961
		923.8760035			
GIMAP2	GIMAP2	2156.273851	2525.684533		3291.657522
		2111.576471			
SART1	SART1	5270.891635	4619.123996		4786.953165
		4785.128473			
SRSF9	SRSF9	17301.23304	13529.88693		11428.25134
		13482.50894			
GRM3	GRM3	0	0	4.460240545	0
DUSP10	DUSP10	2230.233002	1534.425982		2143.145582
		1379.929445			
CLC	CLC	0	0.880336191	34.56686422	0
CKS2	CKS2	13154.31217	13576.54474		10108.02014
		9288.7788			
LIPC	LIPC	54.16726581	58.98252483		30.10662368
		42.17268381			
CASC15	CASC15	5.208390943	73.06790389		2.230120273
		16.67292151			
CDIPT-AS1	CDIPT-AS1		7.291747321		7.923025723
		1.115060136			1.961520177
HCG4	HCG4	0	0.880336191	0	2.942280266
GFI1B	GFI1B	0	1.760672383	0	0
ZNF671	ZNF671	850.009402	850.4047609		1534.322748
		1177.892866			
IL17RB	IL17RB	3938.585231	389.1085966		1643.598641
		179.4790962			
RLTPR	RLTPR	3539.622485	6231.899899		2985.015985
		5003.837972			
FAM153A	FAM153A	1.041678189	5.282017149		23.41626286
		15.69216142			
ZNF660	ZNF660	1.041678189	0	12.2656615	0.980760089
TOR1AIP1	TOR1AIP1		14072.03065		9381.742792
		9890.583409			9282.894239
CEND1	CEND1	171.8769011	193.6739621		41.25722504
		81.40308736			
YWHAG	YWHAG	379.1708607	1468.400767		564.220429

635.5325375					
BFAR BFAR	2726.07182	2609.316471	2826.677445		
2199.844879					
NIPSNAP3A	NIPSNAP3A	1767.727886	1333.70933		
1291.239638	1217.12327				
NOL11 NOL11	8785.513843	5937.867611	8719.770266		
8893.532484					
LOC645434	LOC645434	0	0.880336191	0	0
ARHGAP21	ARHGAP21	352.0872278	912.0282943		
291.0306956	307.9586678				
IGSF6 IGSF6	15.62517283	25.52974955	28.99156354		
14.71140133					
SLC35A5 SLC35A5	2607.320506	2396.275113	2724.091913		
2173.364356					
TMEM42 TMEM42	418.7546319	517.6376806	613.2830749		
547.2641295					
ZNF439 ZNF439	150.0016592	130.2897563	331.1728605		
407.9961969					
TICRR TICRR	996.8860266	2317.044856	712.5234271		
1102.37434					
COL10A1 COL10A1	0	0.880336191	0	3.923040355	
TCN1 TCN1	0	0	3.923040355		
HGD HGD	2.083356377	2.641008574	11.15060136		0
AMH AMH	5.208390943	11.44437049	12.2656615		
4.903800443					
CDK8 CDK8	334.3786986	559.0134816	371.3150254		
360.9197126					
ADAMTS20	ADAMTS20	0	0	4.460240545	0
PRDM12 PRDM12	0	0	0.980760089		
NDUFA13 NDUFA13	11650.12886	11476.06259	7715.101083		
8785.648874					
ATIC ATIC	13641.81756	11113.36408	11006.75861		
13285.37616					
SNN SNN	805.2172399	1029.993344	2423.025676		
1827.156045					
HIST1H4I	HIST1H4I	40.62544936	59.86286102		
23.41626286	33.34584301				
GPLD1 GPLD1	28.12531109	58.10218863	122.656615		
49.03800443					
BTBD18 BTBD18	19.79188559	22.00840479	33.45180409		
38.24964346					
GPR75-ASB3	GPR75-ASB3	2117.731758	1587.246153		
1361.488426	1542.735619				
GRIN2D GRIN2D	1.041678189	2.641008574	11.15060136		
5.884560532					
GRINA GRINA	170.8352229	581.9022225	341.2084017		
298.151067					
U2SURP U2SURP	7690.710067	6834.049854	6759.494546		
7006.550073					
PIH1D2 PIH1D2	114.5846008	92.4353001	101.4704724		

92.19144833						
KCNG2	KCNG2	0	1.760672383	0	2.942280266	
KCNE1L	KCNE1L	11.45846008	10.5640343		23.41626286	
6.865320621						
CCR10	CCR10	48.95887487	81.8712658		33.45180409	
32.36508293						
TSPAN12	TSPAN12	4.166712755	3.521344766		2.230120273	
7.846080709						
CD1D	CD1D	0	8.803361914	0	0	
GJB5	GJB5	0	0	12.2656615	0.980760089	
ACAD8	ACAD8	2269.816773	1924.414914		2338.281106	
2282.228726						
LOC440300	LOC440300		9.375103698		37.85445623	
13.38072164	31.38432284					
REREP3	REREP3	19.79188559	3.521344766		33.45180409	
12.74988115						
CRYBB2P1	CRYBB2P1		1462.516177		1020.309646	
1089.413753	1088.643698					
ASB1	ASB1	1204.179986	1475.443457		1035.890867	
1241.642272						
HYOU1	HYOU1	3972.960612	8712.687287		4084.465279	
3803.387624						
PHAX	PHAX	4308.380988	3795.129321		5147.117589	
4217.268381						
CLIP1-AS1	CLIP1-AS1	0	1.760672383	0		
4.903800443						
LOC100506388	LOC100506388		2.083356377	0	0	0
PARPBP	PARPBP	3332.328526	2571.462015		1402.745651	
1755.560559						
MIR610	MIR610	0	3.521344766	1.115060136	0	
PVT1	PVT1	1102.095524	573.0988606		1778.520917	
1478.005454						
SNX8	SNX8	1673.976849	1522.981611		851.9059441	
1108.2589						
RAB39A	RAB39A	3.125034566	7.923025723	0	1.961520177	
USP25	USP25	3376.07901	2913.912794		5430.342864	
4003.462682						
MIR4668	MIR4668	2.083356377	3.521344766		1.115060136	
4.903800443						
MIR4667	MIR4667	1.041678189	1.760672383	0	0	
MIR4666A	MIR4666A	0	7.042689532	0	0	0
MIR4665	MIR4665	30.20866747	33.45277527		27.87650341	
18.63444168						
MIR4505	MIR4505	4.166712755	5.282017149		5.575300681	0
TMEM210	TMEM210	0	0	3.345180409	0	
PDLIM1	PDLIM1	63.54236951	710.4313065		63.55842777	
127.4988115						
NFKBIA	NFKBIA	28675.31718	21816.4915		29791.06166	
30658.56037						
TCEAL3	TCEAL3	19.79188559	61.6235334		119.3114346	

155.9408541					
DDX5	DDX5	69713.2711	51879.0921	73849.31776	
73588.39097					
ITGAD	ITGAD	0	1.760672383	3.345180409	0
SCGB2B2	SCGB2B2	0	3.521344766	0	2.942280266
TSR2	TSR2	5619.853828	3930.701095	5434.803104	
4598.784056					
CCDC102A	CCDC102A		920.8435188	887.378881	
713.6384872		823.8384745			
UCN2	UCN2	0	6.16235334	0	0
TIGD7	TIGD7	232.2942361	336.2884251	601.0174134	
341.3045109					
LDHAL6B	LDHAL6B	7.291747321	1.760672383	0	0
BRCC3	BRCC3	4309.422667	3719.420409	3463.376783	
3944.617077					
TSNAXIP1	TSNAXIP1		36.4587366	18.48706002	
26.76144327		30.40356275			
IAH1	IAH1	2939.615849	3543.353171	2397.379293	
3151.182165					
PCTP	PCTP	634.3820169	626.7993683	446.0240545	
550.2064097					
LMBR1	LMBR1	3542.74752	3053.005912	3257.090658	
3593.504965					
GOLPH3	GOLPH3	11690.75431	9595.664487	7926.962509	
8234.461704					
PHF5A	PHF5A	1734.394184	2000.123827	1801.93718	
1152.393104					
DNAJB7	DNAJB7	102.0844625	28.17075813	243.0831097	
45.11496408					
DIRAS1	DIRAS1	0	0	2.230120273	0
FRAT2	FRAT2	900.009955	853.9261057	903.1987104	
874.8379991					
ELL2	ELL2	7584.458892	8338.544405	5566.3802	
5138.202105					
LOC100130093	LOC100130093		1677.101884	1426.14463	
1710.502249		1848.732767			
SLX1A-SULT1A3	SLX1A-SULT1A3		75.00082959	95.95664487	
113.7361339		84.34536763			
RNF215	RNF215	38.54209298	39.61512861	17.84096218	
44.13420399					
ALKBH4	ALKBH4	870.8429658	653.209454	606.5927141	
629.6479769					
RNPC3	RNPC3	494.7971396	551.970792	700.2577656	
638.4748177					
FAM187B	FAM187B	0	0	3.345180409	0
CLEC4F	CLEC4F	3.125034566	14.08537906	0	0
ZNF100	ZNF100	1038.553154	1312.581261	1318.001081	
1405.429207					
NOL8	NOL8	4557.342076	3610.258721	3976.304446	
4470.304484					

F2	F2	7.291747321	5.282017149	0	3.923040355
CRISPLD1	CRISPLD1	23.41626286	14.58349464	81.8712658	
LOC400863	LOC400863	114.851194	66.66740408	125.8880754	
SRR	SRR	5093.08714	3514.302076	5636.628989	
BCORL1	BCORL1	67.70908227	162.8621954	216.3216664	
ZNF653	ZNF653	144.171733	234.1694269	122.656615	
FBX034	FBX034	2494.819262	2345.215614	3204.682832	
LINC01248	LINC01248	0.980760089	0	2.230120273	
TMEM165	TMEM165	5926.733216	6474.872688	5699.072356	
MSI1	MSI1	1.041678189	1.760672383	1.115060136	
AIRE	AIRE	0.980760089	23.76907717	1.115060136	
ECM2	ECM2	14.71140133	18.48706002	11.15060136	
FASLG	FASLG	2275.363406	3059.168265	1359.258306	
AKR7A3	AKR7A3	8.826840798	0.880336191	34.56686422	
MATN1	MATN1	78.46080709	8.803361914	89.2048109	
BCR	BCR	2779.474091	2933.28019	2127.53474	
FAM161A	FAM161A	272.6513047	244.7334612	243.0831097	
C9orf40	C9orf40	1289.699517	1678.801117	1199.804707	
AMFR	AMFR	4010.328003	3928.060086	5250.818182	
PFDN4	PFDN4	1509.389776	2334.65158	1573.349852	
MMP15	MMP15	6.865320621	17.60672383	4.460240545	
SLC5A11	SLC5A11	11.76912106	0.880336191	5.575300681	
LONRF2	LONRF2	16.67292151	14.08537906	52.4078264	
PCSK5	PCSK5	202.0365783	136.4521097	477.2457383	
CAPZA2	CAPZA2	11603.37261	10443.42824	12374.93739	
PTCD1	PTCD1	6604.239716	4879.703509	5212.906137	

5183.317069					
AZIN2	AZIN2	65.62572589	54.58084387	92.54999131	
107.8836098					
ESC01	ESC01	1014.594556	1152.360075	1552.16371	
1499.582176					
MRPL45P2	MRPL45P2		190.6271085	113.5633687	
172.8343211		139.2679326			
MIR3177	MIR3177	2.083356377	2.641008574	0	0
CBWD3	CBWD3	167.7101884	128.529084	189.5602232	
187.3251769					
ATP6V1G1	ATP6V1G1		6226.110534	4980.942171	
7448.60171		4741.975029			
CDC23	CDC23	7228.204951	5480.973128	5226.286859	
6129.750554					
LHFPL2	LHFPL2	6.250069132	17.60672383	18.95602232	
22.55748204					
MMP21	MMP21	3.125034566	2.641008574	0	2.942280266
PPP3R2	PPP3R2	0	5.575300681	1.961520177	
PCDHB13	PCDHB13	0	0	1.961520177	
DEPTOR	DEPTOR	17.70852921	23.76907717	24.531323	
75.51852683					
STMND1	STMND1	343.7538023	13.20504287	97.01023186	0
BTN1A1	BTN1A1	0	41.25722504	0.980760089	
MAP2K3	MAP2K3	12660.55671	11739.28311	9223.777447	
13305.97212					
CA4	CA4	1.041678189	0	0	0
CSF2RB	CSF2RB	4061.503258	1932.33794	1949.125118	
887.5878802					
MAP4K2	MAP4K2	5196.932483	4600.636936	3349.640649	
4335.940352					
ILVBL	ILVBL	2995.866471	2734.324211	2353.891948	
2942.280266					
TMEM59	TMEM59	11543.87769	10404.69345	12722.83615	
9689.909676					
TCF15	TCF15	2.083356377	0	3.345180409	8.826840798
TMEM234	TMEM234	355.2122623	261.4598489	309.9867179	
311.8817082					
GPR143	GPR143	5.208390943	7.923025723	4.460240545	
8.826840798					
ALDH9A1	ALDH9A1	5659.437599	4769.661485	3977.419506	
5198.02847					
ANXA6	ANXA6	12208.46837	20977.53111	8597.113651	
10249.92369					
AKR1C1	AKR1C1	1.041678189	4.401680957	39.02710477	
1.961520177					
KIAA1109	KIAA1109		823.9674473	1297.615546	
1614.607077		1009.202131			
TMEM243	TMEM243	3436.496345	3286.295003	2595.859997	
2783.397132					
NOL12	NOL12	3121.909532	2237.814599	2511.115427	

2037.038704				
PLEKHF1	PLEKHF1	3401.079286	2545.051929	1752.874534
1868.347969				
SCD	SCD	2444.818709	11696.14664	2205.58895
9775.235804				
DLEC1	DLEC1	353.128906	266.741866	250.8885307
292.2665064				
PLK1	PLK1	18661.66475	14368.84732	6825.283094
8542.420372				
TLR2	TLR2	98.95942793	25.52974955	205.1710651
167.7099752				
SNRPA1	SNRPA1	8671.970921	7067.338945	7252.351126
7159.548647				
SNX2	SNX2	5518.811044	3640.190152	5529.583216
4161.365056				
FSCN1	FSCN1	61.45901313	442.8091043	265.3843124
197.1327778				
CCL18	CCL18	5.208390943	0.880336191	0 0
ZSWIM4	ZSWIM4	42.70880574	320.4423737	75.82408927
98.07600887				
ATP6AP1L	ATP6AP1L		61.45901313	53.70050768
54.63794668	90.22992816			
TMEM252	TMEM252	0 0	0 1.961520177	
CPNE8	CPNE8	137.5015209	230.6480822	360.164424
231.4593809				
DDX42	DDX42	954.1772208	2321.446537	1646.943821
1325.98764				
TMEM65	TMEM65	366.6707224	290.5109432	229.7023881
285.4011858				
PRICKLE4	PRICKLE4		44.79216211	44.01680957
94.78011158	64.73016585			
LCP2	LCP2	12516.80512	10686.40103	11467.27844
11010.01276				
RABL2A	RABL2A	221.8774542	171.6655573	392.501168
391.3232754				
OGFOD3	OGFOD3	1330.223047	1606.613549	1523.172146
1661.40759				
RBM22	RBM22	5861.523168	4910.515276	6091.573524
5118.586903				
TMEM9B-AS1	TMEM9B-AS1		22.91692015	62.50386959
100.3554123	125.5372913			
KBTBD7	KBTBD7	912.5100933	784.3795466	923.2697928
793.4349117				
TMEM260	TMEM260	585.423142	635.6027302	747.0902913
760.0890687				
OTOGL	OTOGL	1.041678189	2.641008574	0 0
NINL	NINL	78.12586415	161.9818592	113.7361339
106.9028497				
NIPBL	NIPBL	1833.353612	2753.691607	3903.825537
2788.300932				

PRX	PRX	10.41678189	15.84605145	18.95602232	
33.34584301					
HOXB4	HOXB4	17.70852921	138.2127821	1.115060136	
12.74988115					
ZNF280C	ZNF280C	1135.429226	888.2592172	705.8330663	
814.0308736					
STARD6	STARD6	19.79188559	6.16235334	3.345180409	
1.961520177					
TRUB1	TRUB1	3601.081498	2008.046853	1593.420935	
1643.753909					
PA2G4	PA2G4	31869.10251	22857.92921	24957.27597	
25551.74259					
ZNF519	ZNF519	335.4203768	418.1596909	364.6246646	
311.8817082					
LOC101928372	LOC101928372	0	0	0	1.961520177
DRAM2	DRAM2	2090.648125	1903.286846	2193.323288	
1992.9045					
GSX2	GSX2	0	0	0	1.961520177
GOLGA8N	GOLGA8N	11.45846008	4.401680957	27.87650341	
6.865320621					
GOLGA8K	GOLGA8K	0	1.760672383	0	0.980760089
C6orf229	C6orf229	6.250069132	6.16235334	6.16235334	
10.03554123	3.923040355				
PCDHB14	PCDHB14	0	0	3.923040355	
EAF2	EAF2	1816.686761	1495.691189	830.7198015	
609.0520151					
WDR19	WDR19	508.3389561	372.382209	425.9529721	
480.5724434					
ZSCAN16	ZSCAN16	563.5479001	519.3983529	723.6740284	
560.0140106					
TGFB1	TGFB1	1611.476158	3304.782063	1819.778142	
1521.158898					
USP6	USP6	30.20866747	22.88874098	49.062646	
40.21116364					
BYSL	BYSL	3433.37131	2447.334612	3169.000907	
3198.258649					
BNIP3	BNIP3	956.2605772	1658.553385	2150.951003	
4587.995695					
GPR37L1	GPR37L1	2.083356377	0.880336191	0	0
TMEM45A	TMEM45A	8.33342551	7.923025723	0	18.63444168
KIR2DL1	KIR2DL1	0	0.880336191	0	0
ZBTB25	ZBTB25	630.2153042	822.2340028	1131.786038	
862.0881179					
SERPINB3	SERPINB3	0	3.521344766	0	0
FBX030	FBX030	2141.690356	1473.682784	1083.838452	
1306.372438					
IDH3B	IDH3B	9974.068657	6775.947665	8164.470318	
7159.548647					
RASGRF2	RASGRF2	427.0880574	676.098195	845.2155833	
886.6071202					

DSEL	DSEL	4.166712755	4.401680957	101.4704724	
5.884560532					
ASTN2-AS1	ASTN2-AS1		1.041678189	1.760672383	0
0					
MIR1306	MIR1306	107.2928534	93.31563629	99.24035213	
55.90332505					
CIAPIN1	CIAPIN1	7900.087383	5252.966054	5650.00971	
5013.645573					
CHMP4A	CHMP4A	8362.592499	6414.129491	5837.339813	
6431.824661					
FCRL6	FCRL6	3.125034566	20.2477324	0	0
RND2	RND2	7.291747321	5.282017149	20.07108245	
19.61520177					
SNHG8	SNHG8	847.9260456	936.6777077	1477.454681	
1109.23966					
PTPN1	PTPN1	4814.636588	4760.858123	6877.69092	
8604.208258					
FOX03B	FOX03B	195.8354995	211.2806859	482.821039	
257.9399033					
LAMTOR3	LAMTOR3	2702.113221	2388.352087	3890.444815	
2743.185968					
HNRNPH1	HNRNPH1	9733.440995	16430.59468	10947.66042	
12918.57189					
STK4	STK4	14044.94702	13698.03114	19065.29821	
17117.20583					
DAPP1	DAPP1	5969.857699	5240.641348	4162.519489	
4892.031322					
ZNF770	ZNF770	2442.735353	2304.720149	4057.703836	
3398.333707					
LSM4	LSM4	12356.38667	8685.396865	8647.291357	
9323.105403					
PIH1D1	PIH1D1	4463.591039	3888.444958	2822.217205	
3529.755559					
FAM98C	FAM98C	580.2147511	405.8349843	511.8126025	
501.1684053					
RNF151	RNF151	1.041678189	1.760672383	3.345180409	
0.980760089					
MIR1322	MIR1322	0	1.760672383	4.460240545	0
FAXC	FAXC	22.91692015	208.6396774	12.2656615	
59.82636541					
SLC25A18	SLC25A18		8.33342551	8.803361914	
3.345180409					
PADI2	PADI2	25.00027653	35.21344766	0	14.71140133
PRDM13	PRDM13	1.041678189	10.5640343	6.690360818	
2.942280266					
SCPEP1	SCPEP1	2775.030695	1656.792712	1844.309465	
1401.506167					
TMEM241	TMEM241	805.2172399	601.2696188	630.008977	
747.3391876					
LOXL4	LOXL4	2.083356377	3.521344766	0	1.961520177

HECA	HECA	584.3814639	1074.010154	1158.547482
964.0871672				
COL12A1	COL12A1	0 0	0 0.980760089	
GPR65	GPR65	1780.228024	2159.464678	2159.871484
2483.284545				
SLFN5	SLFN5	9681.357086	4883.224854	13879.15352
4536.01541				
SWAP70	SWAP70	711.4662029	799.3452618	1222.105909
803.2425126				
TRIM62	TRIM62	363.5456879	489.4669224	626.6637966
508.0337259				
NUS1	NUS1	2054.189388	2376.027381	2281.413039
1754.579799				
TMEM199	TMEM199	3744.833088	2512.47949	3526.935211
2675.513522				
LAMA5	LAMA5	7.291747321	38.73479242	2.230120273
5.884560532				
TXNL4A	TXNL4A	6364.653733	6487.197395	5072.40856
5433.410891				
SLC4A1	SLC4A1	0 0.880336191	0 0	
SLC3A1	SLC3A1	245.8360525	352.1344766	414.8023707
534.5142483				
ABCD2	ABCD2	494.7971396	2512.47949	1008.014363
1709.464835				
PIDD1	PIDD1	2437.526962	2133.054592	1274.513736
1586.869823				
NME9	NME9	10.41678189	30.8117667	22.30120273
19.61520177				
C1GALT1	C1GALT1	3656.290442	4421.048353	3228.099094
3259.065775				
CNN3	CNN3	115.6262789	192.7936259	1074.917971
462.9187619				
DKFZP434A062	DKFZP434A062		0 0 0	0.980760089
FAM182B	FAM182B	0 0	0 0.980760089	
SPRTN	SPRTN	1523.97519	1397.973872	1228.79627
1123.951062				
ANGPTL6	ANGPTL6	1492.724844	1218.385289	2089.622695
1740.849157				
LOC730101	LOC730101		194.7938213	76.58924866
103.7005927	36.28812328			
VTRNA1-3	VTRNA1-3		48.95887487	52.82017149
84.74457036	36.28812328			
TTC30A	TTC30A	98.95942793	113.5633687	141.6126373
128.4795716				
CHMP7	CHMP7	7424.040451	7240.765175	8204.612483
6905.531784				
OR7D2	OR7D2	3.125034566	0 0	0
GNG5	GNG5	10564.70019	13578.30542	9290.681055
9383.912528				
GNB2	GNB2	1860.437245	4190.400271	1665.899844

1579.023743					
CXCL14	CXCL14	0	0	0	5.884560532
PTPRG	PTPRG	43.75048393		32.57243908	33.45180409
21.57672195					
TSPYL4	TSPYL4	688.5492827		794.0632447	836.2951022
516.8605667					
UTP14C	UTP14C	1504.183304		1488.6485	1883.33657
1492.716855					
SNORD95	SNORD95	17.70852921		8.803361914	16.72590204
16.67292151					
SNORA41	SNORA41	27.08363291		8.803361914	7.805420954
30.40356275					
AQPEP	AQPEP	0	0	6.690360818	0
CRYZL1	CRYZL1	1779.186346		1345.153701	1817.548022
1588.831344					
SKOR1	SKOR1	0	0.880336191	0	0
PATE2	PATE2	1.041678189		2.641008574	0
0					0
METTL10	METTL10	1426.05744		1489.528836	1197.574586
1430.928969					
B4GALT4	B4GALT4	1098.970489		673.4571864	1759.564895
1399.544647					
KLHL9	KLHL9	1526.058546		1248.316719	2711.826251
2480.342264					
DNASE2	DNASE2	3067.742266		2811.793795	3068.645495
2681.398082					
LOC646862	LOC646862		0	0	0
GAREM	GAREM	4.166712755		11.44437049	4.460240545
4.903800443					
RPS6KA5	RPS6KA5	5486.51902		3030.997507	4066.624317
2562.726112					
TOMM7	TOMM7	3772.958399		3557.43855	5014.425433
3233.566012					
GNMT	GNMT	6.250069132		13.20504287	5.575300681
30.40356275					
OR1F1	OR1F1	2.083356377		0.880336191	1.115060136
2.942280266					
KLHL24	KLHL24	637.5070515		910.2676219	3729.876156
2022.327303					
MIR32	MIR32	0	1.760672383	6.690360818	0
MIR24-1	MIR24-1	0	1.760672383	1.115060136	0.980760089
MIR221	MIR221	0	3.521344766	7.805420954	1.961520177
OGFRP1	OGFRP1	42.70880574		28.17075813	39.02710477
83.36460754					
PPIAP30	PPIAP30	1.041678189		7.923025723	31.22168382
3.923040355					
FGF14	FGF14	0	0	3.345180409	2.942280266
CTSW	CTSW	725.0080193		1261.521762	895.3932894
1790.867922					
DVL2	DVL2	1960.438351		2256.301659	2879.085272
2811.839174					

DVL1	DVL1	201.0438904	304.5963222	252.0035908	
323.6508293					
DUSP1	DUSP1	870.8429658	712.1919789	1813.087782	
1356.391203					
MIR1304	MIR1304	6.250069132	15.84605145	6.690360818	
4.903800443					
MPHOSPH9	MPHOSPH9		4037.544659	4414.886	
2788.765401		3412.064348			
REEP3	REEP3	2096.898194	3585.609308	1617.952258	
1770.27196					
TRNP1	TRNP1	7.291747321	6.16235334	8.92048109	
2.942280266					
FAM95C	FAM95C	0	0	3.923040355	
CCDC144NL	CCDC144NL	0	0	0.880336191	3.345180409
7.846080709					
C17orf97	C17orf97		13.54181645	22.88874098	
16.72590204		4.903800443			
H2BFM	H2BFM	0	0	1.115060136	0
ALOX12	ALOX12	101.0427843	153.1784973	172.8343211	
164.7676949					
NMNAT3	NMNAT3	28.12531109	93.31563629	126.0017954	
182.4213765					
TRIM34	TRIM34	839.5926201	707.7902979	877.5523272	
827.7615148					
SCYL1	SCYL1	4134.420731	4075.956566	4188.165872	
4159.403536					
RD3	RD3	3.125034566	0	0	0
CCDC61	CCDC61	581.2564293	603.0302911	470.5553775	
685.551302					
LCLAT1	LCLAT1	1673.976849	2252.780314	1659.209483	
1718.291675					
MIR10A	MIR10A	0	0.880336191	0	0
MIR7-1	MIR7-1	5.208390943	6.16235334	11.15060136	
10.78836098					
MIR199A1	MIR199A1		1.041678189	2.641008574	0
1.961520177					
MIR26A1	MIR26A1	1.041678189	1.760672383	0	0.980760089
MIR92A1	MIR92A1	2.083356377	0	0	2.942280266
MIR22	MIR22	44.79216211	18.48706002	57.98312709	
29.42280266					
MIR29A	MIR29A	0	3.521344766	3.345180409	0.980760089
MIR20A	MIR20A	2.083356377	1.760672383	0	0
MIR19A	MIR19A	0	1.760672383	0	0
CBWD5	CBWD5	770.8418596	596.8679378	889.8179887	
690.4551024					
MAP3K11	MAP3K11	1316.681231	3083.817679	1442.887816	
1652.580749					
SELT	SELT	24015.89064	18958.92022	17336.955	
15806.91035					
TOB2	TOB2	1790.644806	3116.390118	2257.996776	

2432.28502					
KLF2	KLF2	3620.873384	5262.649752	1260.017954	
858.1650776					
DOC2B	DOC2B	5.208390943	13.20504287	12.2656615	0
STAG3L4	STAG3L4	393.7543553	565.1758349	575.3710303	
583.5522528					
NOP58	NOP58	14056.40548	10380.92437	12326.98981	
13060.7821					
PTGDS	PTGDS	0	2.641008574	0	
RPS6KA1	RPS6KA1	18577.28882	12852.9084	10483.7954	
14034.67687					
RPS2	RPS2	51403.69358	45909.53238	51494.59215	
49841.24695					
MTPN	MTPN	4079.211787	7482.857627	4470.276086	
4402.632038					
ZNF511	ZNF511	3241.702523	2388.352087	2346.086527	
2719.647726					
TSPAN16	TSPAN16	0	0	5.575300681	0
GLDC	GLDC	351.0455496	733.3200475	158.3385393	
592.3790936					
MRPL17	MRPL17	3336.495238	2986.100361	3724.300855	
3598.408765					
GCN1L1	GCN1L1	5129.223401	13345.01633	8531.325103	
8681.688305					
PCNX	PCNX	1055.220005	2182.353419	1646.943821	
1508.409016					
CLPTM1L	CLPTM1L	11174.08193	8868.506793	7308.104133	
7572.448645					
TG	TG	26.04195472	95.07630868	62.44336763	
57.86484523					
HOXD1	HOXD1	6.250069132	1.760672383	3.345180409	
10.78836098					
PURA	PURA	569.7979692	1155.881419	1011.359544	
689.4743423					
TMC02	TMC02	0	0	0.980760089	
SLC25A47	SLC25A47		0	0	4.460240545
3.923040355					
ADPGK	ADPGK	6713.615926	4818.079976	6563.243962	
5936.540817					
LINC01490	LINC01490		0	0	0
					1.961520177
FRMPD1	FRMPD1	0	0	22.30120273	0.980760089
SPDL1	SPDL1	4484.424602	3860.274199	2517.805788	
2859.896419					
RNF43	RNF43	106.2511752	196.3149707	97.01023186	
174.5752958					
OR2L2	OR2L2	0	0.880336191	0	0
ZNF676	ZNF676	0	0	0	0.980760089
LRRC45	LRRC45	764.5917905	1275.607141	468.3252572	
722.8201853					
MIR4469	MIR4469	11.45846008	7.923025723	8.92048109	

15.69216142						
MIR4467	MIR4467	0	3.521344766	0	0.980760089	
CELF2-AS2	CELF2-AS2		0	2.641008574	0	0
KAT2B	KAT2B	5124.01501		2070.550722	1701.581768	
1492.716855						
DDX25	DDX25	0	0	7.805420954	1.961520177	
MIR31HG	MIR31HG	0	0	28.99156354	13.73064124	
MIR629	MIR629	0	1.760672383	1.115060136	0	
DUSP16	DUSP16	1710.435586		2655.97429	933.3053341	
1662.38835						
PPM1E	PPM1E	53.12558762		50.17916291	21.18614259	
21.57672195						
TMEM253	TMEM253	14.58349464		11.44437049	5.575300681	
9.807600887						
SHH	SHH	0	0.880336191	0	0	
ICAM1	ICAM1	7286.53893		5014.394946	8719.770266	
7159.548647						
ERCC6	ERCC6	873.9680003		822.2340028	1262.248074	
920.9337233						
ERCC5	ERCC5	3387.53747		3494.93468	4346.504411	
3824.964346						
FOSL2	FOSL2	1589.600916		1906.808191	1451.808297	
2644.129199						
C9orf69	C9orf69	3282.327973		3251.961891	2899.156354	
3201.200929						
LOC100131303	LOC100131303		0	1.760672383	6.690360818	
0						
MEGF8	MEGF8	65.62572589		215.6823669	154.9933589	
153.9793339						
YWHAH	YWHAH	22485.66538		15088.08199	12657.04761	
12786.16928						
TPGS1	TPGS1	504.1722433		492.107931	534.1138053	
512.9375264						
VWCE	VWCE	108.3345316		113.5633687	111.5060136	
111.8066501						
PATL1	PATL1	728.1330539		1952.585673	625.5487364	
794.4156718						
SLC25A41	SLC25A41		4.166712755	0	0	
2.942280266						
TMPRSS9	TMPRSS9	38.54209298		34.33311147	49.062646	
58.84560532						
F3	F3	4.166712755		9.683698106	2.230120273	0
PITPNC1	PITPNC1	885.4264604		2214.045521	2339.396166	
3773.964821						
RAD54B	RAD54B	1848.978785		1823.176252	1672.590204	
1481.928494						
ZNF658	ZNF658	67.70908227		41.375801	43.48734531	
154.960094						
FAM134C	FAM134C	6006.316436		6288.241415	6942.364408	
6256.268606						

SESTD1	SESTD1	186.4603958	829.2766923	93.66505145
610.0327752				
SURF2	SURF2	1076.053569	599.5089464	1090.528813
884.6456				
TMEM258	TMEM258	5064.639353	6399.163776	4561.711017
4434.016361				
PDXP	PDXP	4815.678266	2610.196808	2764.234078
3313.00758				
RPF2	RPF2	4334.422943	3064.450282	3931.70204
4290.825388				
BMP7	BMP7	1.041678189	2.641008574	1.115060136
3.923040355				
PPP4R2	PPP4R2	2166.690632	3521.344766	1885.56669
1764.3874				
RBM26	RBM26	2879.198514	3319.747778	3339.605108
3175.701167				
INVS	INVS	1061.470074	982.4551896	1237.716751
1148.470064				
FUT8-AS1	FUT8-AS1		119.7929917	179.5885831
105.9307129	86.3068878			
ILF3-AS1	ILF3-AS1		670.8407535	559.0134816
938.8806347	599.2444142			
RASAL2	RASAL2	0	1.760672383	0
0.980760089				
GPR88	GPR88	0	0.880336191	0
3.923040355				
C2orf47	C2orf47	1878.145774	1594.288843	1427.276974
1490.755335				
HPS6	HPS6	2095.856516	2586.42773	1984.807043
2293.997847				
HHIPL2	HHIPL2	0	4.401680957	1.115060136
3.923040355				
SHCBP1	SHCBP1	13066.8112	10544.6669	4905.149539
6301.38357				
DEF6	DEF6	12937.6431	10743.62288	6829.743335
8161.885458				
C1orf54	C1orf54	66.66740408	22.00840479	82.51445008
28.44204257				
SH3TC2	SH3TC2	1.041678189	0	0
0				
TNS3	TNS3	80.20922053	1575.801783	34.56686422
1181.815907				
MRGPRX2	MRGPRX2	1.041678189	7.042689532	0
0				
SLC35G5	SLC35G5	4.166712755	3.521344766	2.230120273
0.980760089				
TNS4	TNS4	51.04223125	146.1358078	34.56686422
82.38384745				
TMEM141	TMEM141	671.8824317	902.3445962	1076.033031
899.3570013				
CSRNP1	CSRNP1	2433.360249	2166.507367	3485.677986
4238.845103				
B3GALTL	B3GALTL	1475.016315	1439.349673	1198.689646
1380.910205				
ZBTB41	ZBTB41	334.3786986	432.24507	517.3879032

318.7470288					
POLR2J4	POLR2J4	777.0919288	614.4746616	928.8450935	
806.1847929					
SCAND2P	SCAND2P	379.1708607	473.620871	670.1511419	
706.1472638					
LOC728554	LOC728554		2522.944573	974.5321639	
2011.568486		1125.912582			
SPATA31C1	SPATA31C1		1.041678189	0.880336191	0
0					
PKI55	PKI55	41.66712755	87.15328295	163.91384	
86.3068878					
WTIP	WTIP	0	0	11.15060136	3.923040355
DCLK2	DCLK2	0	2.641008574	0	0.980760089
SNX32	SNX32	33.33370204	31.69210289	18.95602232	
44.13420399					
GATSL2	GATSL2	44.79216211	102.1189982	60.21324736	
38.24964346					
FOXN2	FOXN2	3642.748626	4853.293423	3674.123149	
3706.292375					
DRG2	DRG2	3751.083158	3247.56021	2718.516612	
2956.991667					
MORC3	MORC3	3681.290719	2812.674132	7312.564374	
3974.039879					
LINC00309	LINC00309		12.50013826	27.29042193	
4.460240545		4.903800443			
TTC21B-AS1	TTC21B-AS1		0	1.760672383	0
2.942280266					
MZT2A	MZT2A	2446.902065	2787.144382	1310.19566	
2045.865545					
ADORA1	ADORA1	1.041678189	0	0	0
C21orf119	C21orf119		227.0858451	193.6739621	
279.8800942		208.9018989			
DCAF13P3	DCAF13P3		11.45846008	5.282017149	0
15.69216142					
ALDH5A1	ALDH5A1	666.6740408	1140.915704	1022.510145	
1745.752958					
ANKAR	ANKAR	111.4595662	118.8453858	112.6210738	
120.6334909					
STAC3	STAC3	16.66685102	32.57243908	13.38072164	
16.67292151					
WDSUB1	WDSUB1	142.7099119	274.6648917	195.1355238	
413.8807574					
CPB2-AS1	CPB2-AS1		23.95859834	9.683698106	
12.2656615		17.6536816			
MIR6884	MIR6884	25.00027653	39.61512861	36.7969845	
56.88408514					
MIR8076	MIR8076	0	0	1.115060136	0
FAM50B	FAM50B	858.3428275	909.3872858	892.048109	
991.5484496					
SKAP2	SKAP2	733.3414448	1757.151038	856.3661847	

1559.408541						
TM9SF2	TM9SF2	20971.06529	14688.40935	18361.69526		
14612.34456						
HAR1B	HAR1B	4.166712755	11.44437049	22.30120273		
29.42280266						
WNT10B	WNT10B	4.166712755	3.521344766	8.92048109		
2.942280266						
L3HYPDH	L3HYPDH	348.9621932	140.8537906	674.6113824		
533.5334882						
AKR7A2P1	AKR7A2P1		2.083356377	0	0	
4.903800443						
ITPK1-AS1	ITPK1-AS1		55.208944	57.22185244		
56.86806695	56.88408514					
ZNF248	ZNF248	439.5881956	589.8252483	584.2915114		
740.4738669						
ARMC9	ARMC9	267.7112945	225.366065	178.4096218		
288.3434661						
ZNF705E	ZNF705E	15.62517283	18.48706002	28.99156354		
6.865320621						
TTC12	TTC12	203.1272468	314.2800203	308.8716577		
394.2655556						
IQCA1	IQCA1	14.58349464	0.880336191	7.805420954		
28.44204257						
SREBF2	SREBF2	3504.205427	10162.60099	6953.51501		
11504.31584						
TMEM168	TMEM168	1057.303362	1473.682784	1377.099268		
1524.101178						
RNU6-35P	RNU6-35P		0	0.880336191	0	0
MIR639	MIR639	696.8827082	703.388617	486.1662194		
608.071255						
GJA10	GJA10	1.041678189	7.042689532	0	0	
LHX4	LHX4	6.250069132	16.72638764	3.345180409		
15.69216142						
UQCRFS1	UQCRFS1	14705.37099	12048.28112	9123.422035		
10404.88378						
CCIN	CCIN	0	0.880336191	0	0	
NRR0S	NRR0S	130.2097736	262.340185	49.062646		
50.01876452						
FYC01	FYC01	611.4650968	1175.248816	1107.254715		
1186.719707						
ZNF853	ZNF853	7.291747321	33.45277527	113.7361339		
133.3833721						
SPTBN5	SPTBN5	21.87524196	31.69210289	32.33674395		
63.74940576						
SLC22A10	SLC22A10		0	0	1.115060136	0
PRKACG	PRKACG	0	0.880336191	0	0	
MERTK	MERTK	97.91774974	77.46958485	136.0373366		
175.5560559						
TACC3	TACC3	9533.438783	11021.80912	6501.915655		
8653.246262						

C1GALT1C1	C1GALT1C1	4711.510447	3170.090625	
3293.887643	2945.222546			
TSR3	TSR3	4468.79943	3509.900395	3615.024962
3971.097599				
ZIK1	ZIK1	664.5906844	664.6538245	1088.298693
762.0505889				
PANX1	PANX1	1589.600916	1441.110345	1280.089036
1129.835622				
PTGFRN	PTGFRN	597.9232803	1122.428644	696.9125852
687.5128222				
CTBS	CTBS	1983.355271	2519.52218	2243.500994
2433.26578				
NLRP11	NLRP11	0	0	2.942280266
PIM3	PIM3	15343.91972	13979.73872	11749.38866
15361.64527				
TMEM92	TMEM92	7.291747321	9.683698106	3.345180409
0.980760089				
LINC01304	LINC01304	0	0	2.230120273
CEBPZ05	CEBPZ05	1292.722632	2121.610221	2012.683546
1890.905451				0
CCDC103	CCDC103	34.37538023	44.89714576	53.52288654
29.42280266				
MGME1	MGME1	4391.715244	2782.742701	3274.93162
2669.628961				
ARSB	ARSB	2367.734523	2420.924526	1753.989594
1702.599514				
RMI2	RMI2	2448.985422	4191.280607	1845.424526
4128.019213				
OR5B21	OR5B21	0	1.760672383	0
SNHG3	SNHG3	1005.219452	1123.30898	2.942280266
1045.490255				867.516786
MKX	MKX	0	0	47.94758586
BAIAP2L1	BAIAP2L1	294.375876	149.0755335	14.71140133
21.18614259				58.10218863
LOC256880	LOC256880	21.87524196	14.96571525	
9.807600887				
SNRPC	SNRPC	15034.5413	12998.16387	10742.48935
11618.08401				
SACS-AS1	SACS-AS1	3.125034566	0	0
ZNF192P1	ZNF192P1	11.45846008	14.08537906	0
28.99156354				
ZER1	ZER1	2283.35859	2002.764836	3241.479816
2964.837748				
RGS18	RGS18	15.62517283	44.01680957	20.07108245
17.6536816				
MIR103A2	MIR103A2	28.12531109	26.41008574	
39.02710477				
MIR29B2	MIR29B2	0	0	2.230120273
TMEM158	TMEM158	5.208390943	0.880336191	0.980760089
2.942280266				11.15060136

HMGA1	HMGA1	8465.71864	10490.08606	7257.926427	
8725.822509					
MIR4273	MIR4273	0	1.760672383	0	4.903800443
DDX10	DDX10	3014.616678	2118.088877	3446.650881	
2702.974804					
CYBB	CYBB	1.041678189	0	0	0
TSTD1	TSTD1	1895.854303	2218.447202	2142.030522	
2363.631814					
FAM159A	FAM159A	85.41761147	36.97412004	144.9578177	
80.42232727					
CXCL2	CXCL2	4.166712755	0	0	0.980760089
MIR1539	MIR1539	0	0	2.230120273	2.942280266
MIR1537	MIR1537	0	0	1.961520177	
MNS1	MNS1	4.166712755	7.923025723	0	8.826840798
MIR3687-1	MIR3687-1		1.041678189	44.89714576	
36.7969845		19.61520177			
MIR3685	MIR3685	0	0.880336191	0	0
MIR3682	MIR3682	2.083356377	4.401680957	3.345180409	
2.942280266					
MIR3679	MIR3679	0	3.521344766	3.345180409	1.961520177
PRCD	PRCD	2.083356377	0	6.690360818	1.961520177
LOC401320	LOC401320		135.4181645	134.6914373	
143.8427576		167.7099752			
AATK-AS1	AATK-AS1		0	0	1.115060136
STX7	STX7	1593.767629	1184.052177	1234.371571	0
1193.585028					
FLJ37035	FLJ37035		48.95887487	58.10218863	
80.28432981		34.3266031			
LINC00891	LINC00891		21.87524196	31.69210289	
14.49578177		6.865320621			
LOC100132741	LOC100132741		21.87524196	31.69210289	
14.49578177		6.865320621			
PIM2	PIM2	59846.4953	45970.27558	40258.13116	
43765.4382					
LINC01088	LINC01088		1.041678189	1.760672383	0
4.903800443					
OR4N3P	OR4N3P	3.125034566	0	0	0
PRKY	PRKY	0	987.7372068	0	1205.354149
ATP8A2	ATP8A2	27.08363291	57.22185244	113.7361339	
59.82636541					
CDC40	CDC40	1746.894322	1416.460932	1972.541381	
1639.830868					
C14orf119	C14orf119		5491.727411	5576.929773	
5793.852468		5697.235355			
ZNF354A	ZNF354A	267.7112945	235.0497631	1037.005927	
678.6859814					
TAF15	TAF15	442.7132302	1151.479738	653.4252399	
637.4940576					
CC2D1A	CC2D1A	1490.641488	1767.715072	1061.53725	
1625.119467					

ITGAE	ITGAE	3609.414924	2929.758845	2045.02029
1947.789536				
OSGIN2	OSGIN2	2664.612807	2310.002166	2970.520203
2602.937275				
PEX7	PEX7	329.1703076	315.1603565	335.633101
376.611874				
PEX6	PEX6	1958.354995	285.228926	1871.070909
358.9581925				
PEX12	PEX12	283.3364673	320.4423737	825.1445008
578.6484523				
SETD8	SETD8	1128.137478	1427.024966	634.4692175
902.2992816				
CRYGN	CRYGN	0	2.230120273	2.942280266
H2AFX	H2AFX	4892.762452	6587.555721	3022.928029
3768.080261				
H3F3A	H3F3A	16808.51925	22024.25084	12293.538
12717.51607				
UBE2D2	UBE2D2	10532.40817	11160.0219	8890.374466
7670.524653				
NAP1L3	NAP1L3	119.7929917	102.1189982	305.5264773
300.1125871				
NAIP	NAIP	29.16698928	41.375801	17.84096218
63.74940576				
ECH1	ECH1	12126.17579	10579.00001	9101.120832
10381.34554				
RNU6-19P	RNU6-19P		1.041678189	1.760672383
2.230120273	0.980760089			
RNU6-28P	RNU6-28P		0	0
ANKDD1B	ANKDD1B	29.16698928	22.00840479	10.03554123
7.846080709				
COL27A1	COL27A1	0	12.32470668	0
ZNF526	ZNF526	1116.679018	1346.914373	19.61520177
1082.759138				1255.557713
STAB1	STAB1	70.83411683	134.6914373	61.32830749
82.38384745				
NUP205	NUP205	8384.467741	11660.05286	8590.42329
9644.794712				
LARS	LARS	8934.473824	7813.864035	9302.946717
9679.121315				
LOC100506603	LOC100506603		89.58432423	71.30723151
205.1710651	173.5945357			
FLJ31306	FLJ31306		554.1727964	804.627279
786.1173961	819.9154341			
GPR25	GPR25	15.62517283	5.282017149	64.6734879
30.40356275				
GRAMD4	GRAMD4	1954.188282	3221.150124	924.384853
2338.132051				
MIR6856	MIR6856	11.45846008	2.641008574	12.2656615
3.923040355				
MIR7974	MIR7974	0	1.115060136	2.942280266

MIR6855	MIR6855	5.208390943	9.683698106	8.92048109	
10.78836098					
MIR6854	MIR6854	0	3.521344766	0	2.942280266
SNRPG	SNRPG	18241.86844	18966.84324	14286.15047	
15018.37924					
RPS9	RPS9	7107.370281	7247.807864	7391.733643	
6956.531309					
NCF1	NCF1	70.83411683	51.0594991	66.90360818	
47.07648426					
YBX3P1	YBX3P1	0	0	0	0.980760089
LMD2	LMD2	0	1.760672383	0	0
PRR15L	PRR15L	3.125034566	3.521344766	4.460240545	
3.923040355					
TSGA10IP	TSGA10IP		0	0	8.92048109
0.980760089					
MIR302B	MIR302B	4.166712755	0.880336191	0	1.961520177
URAHP	URAHP	72.91747321	53.70050768	79.16926967	
226.5555805					
IGF1R	IGF1R	87.50096785	369.7412004	685.7619838	
381.5156745					
GALNT1	GALNT1	6012.566505	6995.151377	4221.617676	
5282.373838					
ATP5J2-PTCD1	ATP5J2-PTCD1		11062.62236	10099.21679	
8301.622714	8819.975477				
EXTL1	EXTL1	0	0	1.115060136	0
MMP19	MMP19	72.91747321	117.9650497	22.30120273	
76.49928692					
TUBG2	TUBG2	176.0436139	209.5200136	215.2066063	
327.5738696					
KHSRP	KHSRP	684.38257	3952.7095	948.916176	
936.6258847					
CPSF2	CPSF2	6770.908227	6128.900565	5899.783181	
5672.716353					
RAP1GAP2	RAP1GAP2		204.168925	422.5613719	
79.16926967	14.71140133				
MIR26A2	MIR26A2	1.041678189	0	0	3.923040355
MIR30E	MIR30E	0	0.880336191	0	0
ZNF518B	ZNF518B	795.8421362	1162.924109	1341.417344	
1140.623983					
ZBTB20-AS1	ZBTB20-AS1		12.50013826	10.5640343	
85.85963049	80.42232727				
CLLU1	CLLU1	5.208390943	0	15.61084191	0.980760089
CXorf65	CXorf65	265.6279381	216.5627031	266.4993726	
178.4983361					
GTF2H2C	GTF2H2C	1353.139967	829.2766923	1268.938435	
1121.989541					
MACROD2-AS1	MACROD2-AS1		0	0	0
ILDR2	ILDR2	108.3345316	347.7327956	123.7716751	0.980760089
188.305937					
SFT2D2	SFT2D2	1439.599257	1634.784308	1120.635437	

1295.584077					
ZNF256	ZNF256	309.378422	345.091787	557.5300681	
428.5921587					
FOXD1	FOXD1	2.083356377	3.521344766	6.690360818	0
TMEM102	TMEM102	914.5934497	838.9603904	944.4559354	
957.2218465					
HIST1H2BE	HIST1H2BE		12.50013826	35.21344766	
3.345180409		8.826840798			
GOLGA2P5	GOLGA2P5		112.5012444	262.340185	
79.16926967		201.0558182			
PLIN5	PLIN5	2.083356377	0	11.15060136	3.923040355
MTG2	MTG2	1822.93683	1382.127821	1639.1384	
1773.21424					
NHP2	NHP2	11731.37976	8169.519857	9841.520763	
10347.9997					
SLC25A52	SLC25A52		0	2.641008574	0
QSER1	QSER1	155.2100501	292.2716156	259.8090118	0
159.8638945					
MEIS3	MEIS3	1.041678189	0	0	5.884560532
GRIPAP1	GRIPAP1	2057.314423	2650.692272	1852.114886	
2024.288823					
ATP6V0D1	ATP6V0D1		8569.886458	6304.967803	
6380.3741		4872.416121			
ERI3	ERI3	2519.819538	1952.585673	2332.705805	
2433.26578					
TIFA	TIFA	1870.854027	2792.426399	3175.691268	
3600.370286					
SCGB3A1	SCGB3A1	2.083356377	0.880336191	0	0
MIR4800	MIR4800	84.37593328	45.77748195	98.12529199	
79.44156718					
MIR5047	MIR5047	892.7182077	1032.634353	1441.772756	
1841.867447					
VWA8-AS1	VWA8-AS1		0	0	20.07108245
1.961520177					
MRPL22	MRPL22	6528.197209	5759.159364	4825.98027	
5019.530134					
TRIM28	TRIM28	10593.86718	9621.194236	10637.6737	
10793.26478					
MY01F	MY01F	15446.00418	14801.97272	2753.083476	
4434.016361					
FAHD2B	FAHD2B	1047.928258	1000.061913	725.9041487	
1200.450349					
BECN1	BECN1	10750.11891	8634.337366	9135.687696	
8655.207782					
FAM114A2	FAM114A2		2142.732034	1866.312726	
1917.903434		1882.07861			
INTS3	INTS3	2445.860387	2824.998838	2690.640109	
3109.990241					
NT5C2	NT5C2	6601.114682	6871.90431	4459.125485	
6008.136303					

C9orf114	C9orf114	6261.527592	4701.875598		
5460.449487	5645.25507				
DNAJB13	DNAJB13	1.041678189	5.282017149	18.95602232	
7.846080709					
LINC01097	LINC01097	2.083356377	0	0	0
C6orf132	C6orf132	0	10.5640343	2.230120273	
	10.78836098				
CBY3	CBY3	22.91692015	11.44437049	23.41626286	
12.74988115					
ANKRD31	ANKRD31	4.166712755	14.96571525	81.39938995	
50.01876452					
MIR4637	MIR4637	1.041678189	0	0	0
MIR4633	MIR4633	2.083356377	1.760672383	0	3.923040355
MIR4632	MIR4632	170.8352229	93.31563629	40.14216491	
92.19144833					
ROGDI	ROGDI	523.9641289	363.5788471	304.4114172	
367.7850333					
C15orf54	C15orf54	2.083356377	0	0	
0.980760089					
DNAH10	DNAH10	15.62517283	12.32470668	26.76144327	
18.63444168					
FAM223B	FAM223B	1.041678189	0.880336191	0	0
APOC1P1	APOC1P1	0	1.115060136	0	
FLJ36777	FLJ36777	0	3.521344766	25.64638313	
	3.923040355				
LOC283788	LOC283788	2635.445817	2418.283518		
2811.066604	1744.772198				
MIR4308	MIR4308	4.166712755	3.521344766	3.345180409	0
RPS6	RPS6	32658.69457	29715.74814	38824.16382	
36204.75867					
OR6C68	OR6C68	1.041678189	0	3.345180409	0
FOXD3	FOXD3	1.041678189	3.521344766	0	0
TRPA1	TRPA1	22.91692015	71.30723151	53.52288654	
77.480047					
SCARB1	SCARB1	657.2989371	749.1660989	473.9005579	
814.0308736					
FUOM	FUOM	453.1300121	582.7825587	645.6198189	
928.779804					
LOC101928303	LOC101928303	0	1.760672383	0	
0.980760089					
OGFR	OGFR	4827.136726	3806.573692	7017.073438	
4266.306386					
SIX3	SIX3	6.250069132	0	0	0
NID2	NID2	90.62600242	38.73479242	52.4078264	
30.40356275					
BGLAP	BGLAP	116.6679571	170.7852211	134.9222765	
182.4213765					
CCDC80	CCDC80	1.041678189	2.641008574	2.230120273	
5.884560532					
LINC01227	LINC01227	3.125034566	9.683698106	0	

		3.923040355			
ZNF497	ZNF497	235.4192706	221.8447202	273.1897334	
		257.9399033			
AP00L	AP00L	471.8802195	821.3536666	393.6162281	
		466.8418022			
RPS4Y1	RPS4Y1	0	5677.288099	0	5838.464808
RPL7A	RPL7A	13854.31991	12863.47243	14096.59024	
		13470.73982			
C14orf39	C14orf39	0	0.880336191	0	0
TMTC1	TMTC1	31.25034566	22.88874098	1.115060136	
		7.846080709			
SIGLEC14	SIGLEC14	0	0	1.115060136	0
SDR42E1	SDR42E1	562.5062219	332.7670804	609.9378945	
		534.5142483			
THAP6	THAP6	1242.722079	975.4125001	1758.449835	
		1401.506167			
SLM02	SLM02	5650.062495	6003.012489	5170.533852	
		4816.512795			
ZNRF2	ZNRF2	921.885197	583.6628949	846.3306434	
		752.242988			
ESRP2	ESRP2	211.4606723	253.5368231	188.445163	
		188.305937			
TMEM69	TMEM69	2771.90566	1946.423319	2640.462403	
		2363.631814			
VTA1	VTA1	9380.312089	6856.938595	8420.934149	
		7931.406837			
LACTB2	LACTB2	1084.386994	1119.787636	1351.452885	
		1208.296429			
RBMX2	RBMX2	742.7165485	844.2424076	659.0005405	
		639.4555778			
PCED1A	PCED1A	112.5012444	237.6907717	343.438522	
		407.9961969			
C11orf31	C11orf31	5843.814639	5120.915626		
		4450.205004	4876.339161		
LYPLA2P2	LYPLA2P2	2.083356377	4.401680957		
		1.115060136	0		
LOC101929454	LOC101929454	0	0	0	0.980760089
MLK7-AS1	MLK7-AS1	666.6740408	686.6622293		
		199.5957644	377.5926341		
LOC653712	LOC653712	22.91692015	32.57243908		
		24.531323	20.59596186		
ANGEL1	ANGEL1	1258.347252	1223.667306	1946.894998	
		2031.154144			
OXCT2	OXCT2	15.62517283	13.20504287	22.30120273	
		27.46128248			
MAP10	MAP10	148.959981	160.2211868	146.0728779	
		181.4406164			
RIMS2	RIMS2	7.291747321	9.683698106	1.115060136	
		4.903800443			
GAB2	GAB2	291.6698928	475.3815434	199.5957644	

78.46080709					
FAIM2	FAIM2	9.375103698	25.52974955	8.92048109	
85.32612771					
TIMM44	TIMM44	1768.769564	1529.143965	1978.116682	
1660.42683					
CENPF	CENPF	5035.472364	6304.967803	2964.944902	
3643.523729					
MACF1	MACF1	4650.051434	7798.89832	3872.603853	
4838.089517					
SLC27A4	SLC27A4	1700.018804	1535.306318	1374.869148	
1174.950586					
SNORD8	SNORD8	0	0.880336191	2.230120273	9.807600887
MIR190B	MIR190B	0	0.880336191	0	0
WAC-AS1	WAC-AS1	506.2555997	486.8259139	414.8023707	
479.5916834					
MIR659	MIR659	0	4.401680957	4.460240545	0.980760089
SPRNP1	SPRNP1	0	0	0.980760089	
CTGLF12P	CTGLF12P		0	7.042689532	2.230120273
11.76912106					
GYG2P1	GYG2P1	0	0.880336191	0	0
LOC389705	LOC389705		6.250069132	8.803361914	
45.71746559		23.53824213			
SNORD121A	SNORD121A		1.041678189	2.641008574	
7.805420954		0			
CTNNAL1	CTNNAL1	1814.603405	2288.874098	1253.327593	
1193.585028					
GUSBP4	GUSBP4	291.6698928	286.9895984	545.2644066	
363.8619929					
LOC101060321	LOC101060321		43.75048393	54.58084387	
51.29276627		65.71092594			
XRCC6P5	XRCC6P5	0	0.880336191	0	0
LINC01194	LINC01194		0	5.282017149	0
NLRP6	NLRP6	134.3764863	205.1183326	575.3710303	0
449.1881206					
REX04	REX04	2677.112945	1875.116088	2814.411784	
2367.554854					
ZNF730	ZNF730	22.91692015	124.127403	3.345180409	
38.24964346					
SPR	SPR	172.9185793	157.5801783	253.1186509	
380.5349144					
OARD1	OARD1	2227.107967	1846.94533	2798.800942	
2564.687632					
TNFAIP8L3	TNFAIP8L3		18.7502074	24.64941336	
45.71746559		13.73064124			
TOMM20L	TOMM20L	156.2517283	127.6487478	162.7987799	
106.9028497					
ANGPTL2	ANGPTL2	2.083356377	0	0	0.980760089
DPF3	DPF3	120.8346699	169.9048849	22.30120273	
50.99952461					
APOBEC3G	APOBEC3G		17117.89767	10032.31124	

8907.100368	8410.01776			
ZNF571-AS1	ZNF571-AS1	63.54236951	73.94824008	
224.1270874	110.82589			
LOC286059	LOC286059	4.166712755	0	5.575300681
3.923040355				
LINC01342	LINC01342	0	0.880336191	0
1.961520177				
TWF1 TWF1	2597.945403	1890.962139	2327.130504	
1633.946308				
MIR3198-1	MIR3198-1	1.041678189	0	2.230120273
3.923040355				
RAB30-AS1	RAB30-AS1	388.5459644	371.5018728	
555.2999479	320.708549			
FAM78B FAM78B	88.54264604	18.48706002	57.98312709	
8.826840798				
AASS AASS	76.04250777	275.5452279	137.1523968	
218.7094998				
C11orf58	C11orf58	12770.97459	11299.99535	
11369.15315	12351.69256			
ZNF608 ZNF608	0 7.923025723	11.15060136	0	
SF3B6 SF3B6	6241.735707	6443.180585	6332.426514	
5970.86742				
LMAN1 LMAN1	12987.64366	11306.15771	10739.14417	
11957.427				
NCCRP1 NCCRP1	0 1.760672383	0	3.923040355	
C14orf169	C14orf169	2769.822304	2244.857288	
3408.738837	2599.014235			
PDZD11 PDZD11	2301.067119	1966.671052	1262.248074	
1321.083839				
REBP RENBP	69.79243864	83.63193819	94.78011158	
103.9605694				
ZMYM4 ZMYM4	1869.812349	2445.57394	1875.531149	
2222.402361				
MIR421 MIR421	16.66685102	7.923025723	2.230120273	
7.846080709				
LOC439994	LOC439994	167.7101884	102.1189982	
196.250584	103.9605694			
CD180 CD180	64.5840477	150.5374887	0 41.19192372	
GPR182 GPR182	2.083356377	0 0	0	
LOC100192426	LOC100192426	0 0	0 0.980760089	
TMEM45B TMEM45B	27.08363291	8.803361914	366.8547848	
154.960094				
WIZ WIZ	69.79243864	230.6480822	75.82408927	
114.7489304				
EHD1 EHD1	6919.868208	7123.680461	5267.544084	
5674.677873				
LOC102724601	LOC102724601	42.70880574	31.69210289	
26.76144327	22.55748204			
PAN3-AS1	PAN3-AS1	40.62544936	78.34992104	
57.98312709	64.73016585			

LBX1-AS1	LBX1-AS1	0	0	0	1.961520177
VKORC1L1	VKORC1L1	1180.221388		1978.995758	
976.7926794	1006.259851				
LEF1-AS1	LEF1-AS1	489.5887487		599.5089464	
1390.47999	1357.371963				
FAM160A1	FAM160A1	0	0	60.21324736	
10.78836098					
LOC100128398	LOC100128398	44.79216211		76.58924866	
86.97469063	56.88408514				
BEND3 BEND3	196.8771777	405.8349843		289.9156354	
258.9206634					
PALM2 PALM2	17.70852921	85.39261057		7.805420954	
115.7296905					
LOC728613	LOC728613	91.66768061		150.5374887	
227.4722678	228.5171007				
BCAS2 BCAS2	5567.769919	4396.39894		4728.970038	
4297.690709					
LGALS16 LGALS16	0	2.641008574	0	0	
BTBD6 BTBD6	3000.033183	1862.791381		2078.472094	
2062.538466					
RNASET2 RNASET2	1800.01991	2829.400519		2939.298519	
5111.721582					
NDUFA6 NDUFA6	9015.724723	9288.427156		7058.330663	
6885.916583					
PLCG1 PLCG1	1529.183581	6097.208462		2099.658237	
3086.451999					
PTOV1 PTOV1	2247.941531	2812.674132		2389.573872	
3243.373613					
CA11 CA11	22.91692015	53.70050768		73.59396899	
70.61472638					
HCN2 HCN2	0	8.803361914	1.115060136	2.942280266	
CCDC19 CCDC19	60.41733494	31.69210289		39.02710477	
19.61520177					
PDZD2 PDZD2	20.83356377	31.69210289		66.90360818	
20.59596186					
AGMAT AGMAT	1393.765416	1370.68345		1339.187224	
1306.372438					
MMRN2 MMRN2	0	0	3.923040355		
EIF3J-AS1	EIF3J-AS1	241.6693398		318.6817013	
549.7246472	490.3800443				
FAM127A FAM127A	879.1763913	919.0709839		948.916176	
1311.276239					
LOC101927416	LOC101927416	4.166712755	0	0	0
CCDC157 CCDC157	351.0455496	491.2275948		371.3150254	
347.1890714					
ME1 ME1	40.62544936	30.8117667		0	60.8071255
NBEAL1 NBEAL1	179.1686485	375.9035537		298.8361165	
287.362706					
MIR637 MIR637	3.125034566	1.760672383		5.575300681	
2.942280266					

MIR636	MIR636	2873.990123	2045.901309	1926.823915	
2140.018513					
MIR635	MIR635	6.250069132	7.042689532	0	0.980760089
MIR632	MIR632	702.0910992	584.5432311	515.157783	
565.8985712					
MIR631	MIR631	3.125034566	4.401680957	3.345180409	0
LOC401134	LOC401134		0	0	0.980760089
LINC00184	LINC00184		0	3.521344766	0
LOC389247	LOC389247		19.79188559	28.17075813	
33.45180409	21.57672195				
MIR563	MIR563	0	0.880336191	0	
MIR564	MIR564	50.00055306	47.53815434	69.13372845	
58.84560532					
MIR558	MIR558	2.083356377	0.880336191	0	0.980760089
MIR555	MIR555	13.54181645	13.20504287	33.45180409	
15.69216142					
RANBP10	RANBP10	2092.731481	2103.123161	1629.102859	
1996.827541					
SLAIN2	SLAIN2	3141.701417	3803.932683	3597.184	
3149.220645					
STEAP1	STEAP1	22.91692015	32.57243908	24.531323	
15.69216142					
MRPL53	MRPL53	1397.932129	1875.116088	1178.618564	
1118.066501					
NDUFB1	NDUFB1	3097.950933	4201.844642	2678.374447	
2672.571242					
MIR718	MIR718	6.250069132	0	2.230120273	1.961520177
MIR2277	MIR2277	58.33397857	38.73479242	28.99156354	
76.49928692					
MIR2276	MIR2276	12.50013826	9.683698106	5.575300681	
6.865320621					
LMNB2	LMNB2	8717.804761	9978.61073	5284.269986	
6911.416345					
MIAT	MIAT	2179.190771	6539.13723	1176.388444	
2972.683829					
YTHDF3-AS1	YTHDF3-AS1		28.12531109	49.29882672	
16.72590204	23.53824213				
SLC10A1	SLC10A1	4.166712755	6.16235334	10.03554123	
4.903800443					
INHBA	INHBA	0	1.760672383	0	
IL17A	IL17A	221.8774542	959.5664487	53.52288654	
6499.497108					
ZNF649	ZNF649	536.4642672	594.2269292	710.2933068	
805.2040328					
POLG2	POLG2	718.7579502	474.5012072	677.9565628	
656.1284993					
PROSER3	PROSER3	228.1275233	553.7314644	266.4993726	
363.8619929					
MIR1244-1	MIR1244-1		10468.8658	10568.43598	
10111.36532	10123.40564				

C17orf47	C17orf47	9.375103698	4.401680957	
31.22168382	11.76912106			
PDIA5 PDIA5	669.7990753	714.8329874	498.4318809	
672.8014208				
LINC00942	LINC00942	0	2.641008574	0
DKFZp779M0652	DKFZp779M0652	0	0	7.805420954
3.923040355				
NKAPP1 NKAPP1	48.95887487	80.11059342	102.5855325	
62.76864567				
LOC646719	LOC646719	146.8766246	267.6222022	
324.4824997	272.6513047			
KLF3 KLF3	3340.661951	4998.548895	3154.505125	
2223.383121				
CCDC6 CCDC6	1127.0958	1376.845803	1635.79322	
1482.909254				
LAD1 LAD1	0 0	0	4.903800443	
MKL2 MKL2	293.7532492	904.9856048	485.0511593	
454.0919211				
ASF1A ASF1A	9592.81444	5808.458191	8116.522732	
4183.922538				
SUCLA2 SUCLA2	6336.528422	4786.387873	3913.861078	
4624.283818				
ZZEF1 ZZEF1	751.0499741	2382.189734	1535.437808	
1065.105456				
MIR148B MIR148B	2.083356377	0	3.345180409	0
MIR17HG MIR17HG	50.00055306	110.9223601	94.78011158	
91.21068825				
CCNL1 CCNL1	3809.417136	3921.897733	4368.805614	
4728.244387				
NDUFS5 NDUFS5	8163.631965	12704.13158	6738.308403	
8928.839847				
DOCK2 DOCK2	19335.63054	26183.83934	11846.39889	
19181.70581				
S100A8 S100A8	1.041678189	0	0	0
SLPI SLPI	5.208390943	0	0	0
SLIT3 SLIT3	0 0.880336191	6.690360818	0	
LINC00307	LINC00307	0	0	0
ADAM21 ADAM21	3.125034566	0.880336191	17.84096218	0.980760089
9.807600887				
CLEC6A CLEC6A	1.041678189	0	0	0
SMC04 SMC04	3025.03346	3324.149459	1349.222765	
1899.732292				
SFT2D3 SFT2D3	325.0035949	401.4333033	420.3776714	
407.0154368				
MIR553 MIR553	2.083356377	0.880336191	0	4.903800443
KCNH3 KCNH3	50.00055306	134.6914373	210.7463658	
244.2092621				
SGMS1 SGMS1	3802.125389	3779.28327	1955.815479	
1976.231579				
LSG1 LSG1	5631.312288	4288.117588	5306.571188	

4312.40211						
MIR1256	MIR1256	1.041678189	0	1.115060136	0	
PRKCH	PRKCH	21050.23284	18300.42875	14658.58055		
16526.78825						
CYSTM1	CYSTM1	723.9663411	836.3193819	1084.953513		
930.7413241						
UNC80	UNC80	1.041678189	1.760672383	0	0.980760089	
ACE2	ACE2	1.041678189	0	0	0	
DDN	DDN	1.041678189	10.5640343	4.460240545		
5.884560532						
SRGAP2	SRGAP2	2131.273574	2689.427065	1469.64926		
1564.312341						
SPAG5	SPAG5	15848.09196	15223.65376	6513.066256		
11460.18164						
PMVK	PMVK	5055.26425	3684.206961	3140.009344		
3414.025869						
LOC100506384	LOC100506384		0	0	0	0.980760089
LOC100506472	LOC100506472		19.79188559	37.85445623		
14.49578177						
HINT2	HINT2	2978.157941	2637.48723	2104.118477		
2086.076709						
UBLCP1	UBLCP1	3863.584402	3491.413335	3598.29906		
3910.290474						
RNF5P1	RNF5P1	7.291747321	11.44437049	11.15060136		
11.76912106						
LOC90784	LOC90784		161.4601192	236.8104355		
141.6126373						
GOLGA1	GOLGA1	825.0091254	666.4144969	1148.51194		
1014.105932						
ZSCAN12P1	ZSCAN12P1		19.79188559	18.48706002		
28.99156354						
BTNL10	BTNL10	0	0.880336191	12.2656615	5.884560532	
NPTXR	NPTXR	9.375103698	42.25613719	131.5770961		
65.71092594						
MCF2L2	MCF2L2	130.2097736	171.6655573	182.8698623		
155.9408541						
CCDC18	CCDC18	702.0910992	1199.898229	451.5993552		
837.5691157						
AS3MT	AS3MT	12.50013826	42.25613719	17.84096218		
28.44204257						
ARHGAP44	ARHGAP44		34.37538023	31.69210289		
45.71746559						
TBC1D24	TBC1D24	208.3356377	491.2275948	258.6939516		
262.8437038						
GPR141	GPR141	0	0	3.345180409	0	
SH3GL1P2	SH3GL1P2		4.166712755	2.641008574	0	
0						
SH3GL1P1	SH3GL1P1		6.250069132	53.70050768		
23.41626286						
ATF7IP	ATF7IP	5332.350648	5821.663234	10516.13215		

7074.22252					
IL36G	IL36G	0	2.641008574	0	1.961520177
ANKRA2	ANKRA2	1271.889068	995.6602325		1508.676364
1391.698566					
ZNF141	ZNF141	421.8796664	446.3304491		909.8890712
691.4358625					
EMP3	EMP3	13828.27796	12488.44921		6713.77708
7417.488551					
ZNF136	ZNF136	864.5928966	941.0793886		2365.042549
1893.847731					
FUBP1	FUBP1	6417.779321	6885.989689		6247.681943
6223.903523					
ZBTB3	ZBTB3	462.5051158	465.6978453		566.4505492
509.014486					
MAGOHB	MAGOHB	3539.622485	3301.260718		3635.096044
3353.218743					
AN01	AN01	0	0	5.575300681	0
TRMT12	TRMT12	351.0455496	402.3136395		579.8312709
394.2655556					
MIR621	MIR621	6.250069132	9.683698106		7.805420954
14.71140133					
MIR548C	MIR548C	0	2.641008574	0	0.980760089
MIR614	MIR614	0	1.760672383	0	0
MIR613	MIR613	4.166712755	4.401680957		0
MIR612	MIR612	0	0.880336191	0	0
MIR611	MIR611	1084.386994	1152.360075		997.978822
912.1068825					
BBS10	BBS10	287.5031801	354.7754851		793.922817
560.9947707					
PALB2	PALB2	1973.980168	1772.99709		1779.635977
1823.233005					
MAP1S	MAP1S	2565.653379	3179.774323		2104.118477
2748.089768					
PCDHGB6	PCDHGB6	6.250069132	4.401680957		33.45180409
10.78836098					
GPS2	GPS2	5875.064984	4575.987523		5335.562752
5015.607093					
ADAM2	ADAM2	0	0	0	0.980760089
SNORA5A	SNORA5A	29.16698928	26.41008574		39.02710477
58.84560532					
SNORA71E	SNORA71E		14.58349464		14.96571525
15.61084191					
BAHCC1	BAHCC1	0	0.880336191	1.115060136	1.961520177
LINC00158	LINC00158		22.91692015		21.12806859
71.36384872					
RAET1K	RAET1K	3.125034566	8.803361914		86.97469063
52.96104479					
CLUHP3	CLUHP3	206.2522814	448.9714576		646.734879
1110.22042					
GRK5	GRK5	1048.969936	1082.813515		479.4758586

743.4161472				
MIR1206	MIR1206	0	3.521344766	5.575300681
MIR1204	MIR1204	161.4601192	57.22185244	180.6397421
81.40308736				
MIR1226	MIR1226	53.12558762	29.93143051	37.91204463
27.46128248				
MIR1200	MIR1200	0	0	2.230120273
TSPAN18	TSPAN18	218.7524196	191.0329535	189.5602232
201.0558182				
NEURL2	NEURL2	16.66685102	16.72638764	79.16926967
53.94180488				
SACM1L	SACM1L	6395.904079	5065.454446	4653.145949
5297.085239				
AGPS	AGPS	6746.949628	5220.393615	4280.715863
5216.662912				
TMEM33	TMEM33	5122.973332	5000.309567	4143.563466
3291.430858				
PLCD3	PLCD3	44.79216211	87.15328295	55.75300681
91.21068825				
CXorf21	CXorf21	1452.099395	1031.754016	675.7264426
459.9764816				
NKTR	NKTR	2019.814008	2103.123161	2900.271414
2311.651529				
IRG1	IRG1	1.041678189	0	0
LINC00471	LINC00471		10.41678189	32.57243908
45.71746559		34.3266031		
XXYLT1	XXYLT1	708.3411683	522.9196977	700.2577656
502.1491654				
MAF1	MAF1	8148.006792	7493.421662	8444.350412
8767.014433				
TERC	TERC	21.87524196	67.78588674	35.68192436
17.6536816				
LOC100132111	LOC100132111		592.7148894	631.2010493
772.7366744		1088.643698		
FRMD7	FRMD7	0	0.880336191	0
NPB	NPB	10.41678189	9.683698106	2.230120273
3.923040355				
SPNS3	SPNS3	119.7929917	282.5879175	101.4704724
210.8634191				
SLFNL1	SLFNL1	35.41705842	42.25613719	18.95602232
13.73064124				
FAM106CP	FAM106CP		0	5.282017149
1.961520177				0
FKBP1AP1	FKBP1AP1		16.66685102	23.76907717
16.72590204		14.71140133		
FAM83E	FAM83E	3.125034566	6.16235334	10.03554123
9.807600887				
MYLPF	MYLPF	26.04195472	18.48706002	15.61084191
11.76912106				
LOC100507419	LOC100507419		595.8399239	696.3459274

336.7481612	444.2843202			
ERAL1 ERAL1	8348.009004	5508.26355	5811.69343	
6037.559106				
RBM33 RBM33	1935.438075	2357.540321	2547.912411	
2211.614				
STARD3NL	STARD3NL	3731.291272	3060.928938	
2706.250951	2874.60782			
GCNT7 GCNT7	26.04195472	38.73479242	41.25722504	
36.28812328				
TNFRSF13C	TNFRSF13C	4.166712755	2.641008574	
10.03554123	9.807600887			
ARID3C ARID3C	1.041678189	0 16.72590204	2.942280266	
DEAR DEAR	225.0024888	209.5200136	235.2776888	
194.1904976				
LINC00378	LINC00378	0 0	0 0.980760089	
SPRN SPRN	172.9185793	163.7425316	88.08975076	
191.2482173				
C14orf183	C14orf183	6.250069132	14.08537906	
11.15060136	12.74988115			
TSSK6 TSSK6	40.62544936	67.78588674	81.39938995	
86.3068878				
GPR61 GPR61	0 0	7.805420954	0	
HMCN1 HMCN1	11.45846008	14.08537906	4.460240545	
1.961520177				
TMPRSS6 TMPRSS6	148.959981	89.79429153	82.51445008	
269.7090244				
TMEM155 TMEM155	2.083356377	14.96571525	0 9.807600887	
CUTC CUTC	2346.900959	2260.70334	2319.325083	
2624.513997				
C3orf33 C3orf33	145.8349464	126.7684116	165.0289002	
184.3828967				
ZNF786 ZNF786	688.5492827	692.8245827	1312.42578	
942.5104452				
MRPL48 MRPL48	3433.37131	2041.499628	2449.787119	
1946.808776				
BHLHE22 BHLHE22	3.125034566	2.641008574	0 0	
SLC25A5 SLC25A5	37385.83019	28592.43916	25067.66692	
27281.80339				
SLC25A4 SLC25A4	792.7171016	676.098195	1239.946872	
984.683129				
GDPGP1 GDPGP1	136.4598427	100.3583258	91.43493117	
99.05676896				
CCDC79 CCDC79	0 0	2.230120273	0	
MSMP MSMP	289.5865365	382.0659071	378.0053862	
318.7470288				
FAM102A FAM102A	3727.124559	3725.582762	7465.327612	
6652.495681				
PPP2CB PPP2CB	275.0030418	447.2107853	441.563814	
166.7292151				
MILR1 MILR1	1.041678189	0 0	0	

MYLK2 MYLK2	2.083356377	6.16235334	14.49578177
2.942280266			
RBM27 RBM27	4463.591039	4084.759928	4623.039325
3915.194274			
11-Sep 11-Sep	3477.121794	4430.732052	2569.098554
2630.398558			
LDOC1L LDOC1L	572.9230038	872.4131657	1529.862507
877.7802794			
FZD1 FZD1	26.04195472	78.34992104	25.64638313
82.38384745			
SOAT2 SOAT2	14.58349464	9.683698106	12.2656615
7.846080709			
ZNF282 ZNF282	258.3361908	787.0205551	189.5602232
334.4391902			
RPL12 RPL12	7039.661199	10792.92171	10400.16589
10228.34696			
BST2 BST2	16598.10026	10727.77683	16140.49547
9228.952434			
FER1L6 FER1L6	1.041678189	0 0	0
SFR1 SFR1	933.3436571	879.4558552	897.6234097
808.1463131			
FRA10AC1	FRA10AC1	677.0908227	772.0548399
602.1324736	799.3194723		
GEM GEM	76.04250777	81.8712658	122.656615
420.746078			
ZBTB7C ZBTB7C	39.58377117	29.93143051	40.14216491
16.67292151			
VWA5B2 VWA5B2	5.208390943	9.683698106	0 0
PIK3CA PIK3CA	2272.941808	2949.126241	3429.924979
2729.455327			
PPAT PPAT	4658.38486	3347.918536	4062.164076
3967.174559			
FAM171A2	FAM171A2	6.250069132	5.282017149
20.07108245	9.807600887		
SPTY2D1 SPTY2D1	4185.462962	5228.316641	2593.629877
2051.750105			
ZNF93 ZNF93	462.5051158	668.1751693	966.7571381
899.3570013			
MAP2K2 MAP2K2	5606.312012	5371.81144	3620.600262
4412.439639			
NRG4 NRG4	10.41678189	7.042689532	23.41626286
1.961520177			
BCL10 BCL10	2196.8993	1808.210537	2268.032317
2271.440365			
MSANTD1 MSANTD1	1.041678189	0.880336191	2.230120273
4.903800443			
ZNF98 ZNF98	0 0	2.230120273	1.961520177
ZNF354C ZNF354C	120.8346699	207.7593412	343.438522
330.5161499			
ZNF812 ZNF812	0 11.44437049	1.115060136	9.807600887

OTUD1	OTUD1	2709.404969	2940.322879	1724.998031
1847.752007				
SMAD5	SMAD5	769.8001814	489.4669224	764.9312535
435.4574794				
TIPRL	TIPRL	5762.56374	5311.068243	4106.766482
4587.995695				
RPUSD2	RPUSD2	2133.35693	1533.545645	2182.172687
1924.251294				
LOC100130357	LOC100130357		28.12531109	42.25613719
52.4078264	70.61472638			
CES5A	CES5A	0	0	3.923040355
GRPEL2	GRPEL2	2564.611701	2259.823003	1859.920307
1727.118516				
TMEM263	TMEM263	2317.73397	2957.929603	3354.10089
3658.235131				
C7orf13	C7orf13	211.4606723	228.0070736	149.4180583
161.8254146				
ZNF784	ZNF784	37.50041479	117.9650497	63.55842777
26.48052239				
BLVRA	BLVRA	2719.821751	2666.538324	2080.702214
2471.515423				
ELOF1	ELOF1	4617.759411	4277.553554	3262.665959
3659.215891				
KBTBD11	KBTBD11	223.9608106	1529.143965	383.5806869
512.9375264				
LCN6	LCN6	1.041678189	0	0
PAIP2B	PAIP2B	87.50096785	77.46958485	265.3843124
211.8441792				
TBC1D26	TBC1D26	0	2.641008574	0
CD3G	CD3G	6060.483702	7157.133236	8.826840798
4547.784531				4821.520029
MRPL12	MRPL12	5434.43511	4358.544484	3548.121354
4014.251043				
BCHE	BCHE	0	0.880336191	0
POLA2	POLA2	5415.684903	5488.015817	3518.01473
4773.359352				
EDARADD	EDARADD	967.7190373	1599.57086	585.4065715
953.2988062				
BOC	BOC	2.083356377	5.282017149	6.690360818
1.961520177				
ERN2	ERN2	636.4653733	654.0897902	263.1541922
345.2275512				
EFCAB12	EFCAB12	8.33342551	2.641008574	12.2656615
11.76912106				
HPN	HPN	0	0.880336191	0
ZFP14	ZFP14	70.83411683	226.2464012	2.942280266
299.131827				457.1746559
NHEJ1	NHEJ1	2006.272191	1228.949323	1736.148632
1208.296429				
IGF2R	IGF2R	2586.486943	11322.88409	3250.400297

4690.975504				
RGS2 RGS2	578.1313947	603.9106273	1171.928203	
1008.221371				
RPN1 RPN1	29953.45632	25855.47394	24531.323	
22317.19582				
KRT5 KRT5	1.041678189	0 0	0	
STAR STAR	8.33342551	15.84605145	16.72590204	
9.807600887				
ANKRD27 ANKRD27	4432.340693	3869.957898	4433.479102	
4285.921587				
LOC283070	LOC283070	22.91692015	22.88874098	
70.24878858	38.24964346			
MIR301A MIR301A	0 2.641008574	0	0	
ZNF394 ZNF394	2298.983762	1636.54498	2697.33047	
2041.942505				
PTPLB PTPLB	846.8843674	1411.178915	849.6758238	
1046.471015				
LRRC39 LRRC39	184.3770394	154.9391697	204.0560049	
215.7672195				
C10orf88	C10orf88	1522.933512	1060.805111	
868.6318462	974.8755281			
DDIAS DDIAS	3197.952039	2147.139971	2928.147918	
1984.077659				
SNORA76C	SNORA76C	12.50013826	10.5640343	
3.345180409	2.942280266			
IQGAP1 IQGAP1	27203.4259	33823.39681	19348.52348	
25334.99461				
APC2 APC2	14.58349464	48.41849053	39.02710477	
29.42280266				
CRAMP1L CRAMP1L	596.8816021	1488.6485	925.4999131	
799.3194723				
ABCC4 ABCC4	761.4667559	1010.625948	1228.79627	
1040.586454				
C19orf47	C19orf47	855.2177929	1049.36074	
677.9565628	533.5334882			
GPR22 GPR22	23.95859834	40.49546481	31.22168382	
10.78836098				
RAB8A RAB8A	16727.26835	14349.47992	11238.69111	
13282.43388				
GPR21 GPR21	0 0.880336191	0	0	
SEC11C SEC11C	13700.15154	8800.720906	8338.419699	
5977.73274				
NT5M NT5M	118.7513135	129.4094201	127.1168555	
134.3641321				
MRPS22 MRPS22	2564.611701	1719.296582	3018.467789	
2675.513522				
PRTFDC1 PRTFDC1	48.95887487	102.9993344	37.91204463	
50.01876452				
SKIV2L2 SKIV2L2	8495.927307	6659.743288	6068.157262	
7078.14556				

RNLS	RNLS	198.960534	233.2890907	287.6855152
235.3824213				
GPBAR1	GPBAR1	6.250069132	16.72638764	12.2656615
8.826840798				
OR5H6	OR5H6	1.041678189	0	0
ELTD1	ELTD1	0	0	1.961520177
RRAGC	RRAGC	254.169478	684.9015569	599.9023533
295.2087867				
DUS1L	DUS1L	8458.426892	5692.253814	6968.010792
8258.980707				
NAB2	NAB2	941.6770826	1547.631025	1464.073959
2108.634191				
SNORD15B	SNORD15B		17.70852921	18.48706002
13.38072164	17.6536816			
SNORD62A	SNORD62A		0	3.521344766
				5.575300681
	4.903800443			
SNORA47	SNORA47	0	0	3.345180409
SNORD63	SNORD63	22.91692015	10.5640343	60.21324736
34.3266031				
PIP5K1P1	PIP5K1P1		2.083356377	0.880336191
1.115060136	0.980760089			
CTSK	CTSK	62.50069132	86.27294676	43.48734531
107.8836098				
SNORA74A	SNORA74A		0	1.760672383
	2.942280266			3.345180409
SNORA53	SNORA53	2.083356377	11.44437049	21.18614259
2.942280266				
SEC22A	SEC22A	1981.271915	1673.5191	2303.714242
1642.773149				
ZSWIM6	ZSWIM6	106.2511752	335.4080889	112.6210738
150.0562936				
IL17B	IL17B	0	7.042689532	6.690360818
FAM214A	FAM214A	806.2589181	993.0192239	892.048109
776.7619902				
CTRB1	CTRB1	0	0	6.690360818
MTR	MTR	1539.600363	2475.50537	3665.202668
3230.623732				
HS3ST1	HS3ST1	61.45901313	29.05109432	33.45180409
23.53824213				
KIF5A	KIF5A	22.91692015	57.22185244	55.75300681
49.03800443				
BRD3	BRD3	1054.178327	1549.391697	2157.641364
2253.786684				
LGALS7	LGALS7	0	0	0.980760089
RPSAP58	RPSAP58	453.1300121	127.6487478	459.4047761
191.2482173				
MANEA	MANEA	1765.64453	2232.532581	1586.730574
1748.695238				
TMEM173	TMEM173	14512.66052	14553.71792	5860.756076
9426.085212				

SYMPK SYMPK	2056.272744	2557.376636	2156.526304	
887.5878802				
SRGAP2D SRGAP2D	797.9254925	926.1136734	774.9667947	
639.4555778				
LINC01150	LINC01150	0 0	4.460240545	0
SMCR8 SMCR8	682.2992136	1460.477742	1073.802911	
962.125647				
APOA1BP APOA1BP	4213.588273	3550.39586	3862.568312	
4281.998547				
ADRB3 ADRB3	2.083356377	0 0	0	
RASL11B RASL11B	22.91692015	11.44437049	81.39938995	
16.67292151				
KIAA1143	KIAA1143	1465.641212	1577.562455	
2695.100349	2033.115664			
ANKRD34B	ANKRD34B	0 4.401680957	0	0
A1BG A1BG	127.084739	100.3583258	340.0933416	
167.7099752				
FBX036 FBX036	123.9597045	110.9223601	171.719261	
191.2482173				
MMAA MMAA	811.467309	693.7049189	753.7806521	
1005.279091				
CYCS CYCS	25995.0792	17030.98396	21912.04674	
18893.36235				
MFSD4 MFSD4	80.20922053	88.03361914	376.8903261	
113.7681703				
TAPT1 TAPT1	1677.101884	1684.083134	2155.411243	
1845.790487				
LIN28B LIN28B	1.041678189	0 0	0	
ASCL5 ASCL5	0 1.760672383	0	0	
TMEM18 TMEM18	1870.854027	1526.502956	1871.070909	
1510.370537				
IKBIP IKBIP	2319.817326	1805.569529	1567.774552	
1529.985738				
SP140L SP140L	2401.068225	2602.273782	2552.372652	
2388.150816				
PANK1 PANK1	367.7124006	191.0329535	152.7632387	
156.9216142				
SCARNA13	SCARNA13	40.62544936	56.34151625	
89.2048109	90.22992816			
SCARNA21	SCARNA21	3.125034566	2.641008574	
63.55842777	22.55748204			
TDGF1P3 TDGF1P3	0 0	1.115060136	0	
MALAT1 MALAT1	46942.1859	50673.91185	205214.5524	
141234.3566				
RNF126P1	RNF126P1	1.041678189	0 1.115060136	
0				
CLK2P CLK2P	0 0	1.115060136	0	
DIXDC1 DIXDC1	393.7543553	876.8148467	806.1884785	
783.6273108				
SNORD116-14	SNORD116-14	1.041678189	0.880336191	

2.230120273	0.980760089			
SNORD116-13	SNORD116-13	0	0	1.115060136
2.942280266				
RSPH1 RSPH1	0 0	5.575300681		10.78836098
NKG7 NKG7	3706.290995	3155.12491		2458.7076
1985.058419				
PIK3R6 PIK3R6	29.16698928	243.853125		23.41626286
282.4589055				
DSCAML1 DSCAML1	3.125034566	0	6.690360818	5.884560532
DEAF1 DEAF1	1946.896535	2152.421988		1714.96249
3178.643447				
NDUFV2 NDUFV2	27765.93212	22414.23977		18189.976
20395.8868				
PRR15 PRR15	1.041678189	3.521344766		0 0
SBF2 SBF2	152.0850156	122.3667306		443.7939342
501.1684053				
C19orf67	C19orf67	3.125034566		7.042689532
17.84096218	3.923040355			
LOC100335030	LOC100335030	7.291747321		8.803361914
4.460240545	6.865320621			
SYN2 SYN2	4.166712755	2.641008574		0 6.865320621
NOTCH2NL	NOTCH2NL	2817.7395		2631.324876
2423.025676	2358.728013			
MIR1238 MIR1238	4.166712755	6.16235334		0 2.942280266
CACNG8 CACNG8	1.041678189	2.641008574		0 0
ZZZ3 ZZZ3	3294.828111	2259.823003		4819.289909
3546.428481				
KLHL15 KLHL15	392.7126771	610.0729807		888.7029286
1026.855813				
TMEM106A	TMEM106A	325.0035949		405.8349843
506.2373019	471.7456026			
KLHL42 KLHL42	1396.890451	1156.761756		954.4914766
948.3950057				
KMT2C KMT2C	2360.442776	3015.151456		4326.433329
3427.75651				
ADM2 ADM2	28.12531109	79.23025723		112.6210738
74.53776674				
DDX26B DDX26B	1207.305021	1191.975203		1249.982413
1702.599514				
LOC100288911	LOC100288911	0 0		0 3.923040355
HEXA-AS1	HEXA-AS1	25.00027653		23.76907717
40.14216491	35.30736319			
NDUFV3 NDUFV3	1400.015486	1022.950654		1227.68121
1189.661988				
MIR320B2	MIR320B2	0	2.641008574	0 0
CLDND2 CLDND2	57.29230038	50.17916291		14.49578177
26.48052239				
CMTM7 CMTM7	6019.858252	7031.245161		3636.211104
4071.135128				
FAM71E1 FAM71E1	22.91692015	38.73479242		66.90360818

35.30736319						
FLJ30679	FLJ30679		7.291747321	19.36739621		0
0						
SHC4 SHC4	303.1283529		934.0366991	189.5602232		
606.1097348						
HADHA HADHA	27216.96771		18462.41061	15303.08531		
17246.66616						
BMX BMX	0	1.760672383	1.115060136	0		
PIK3AP1 PIK3AP1	181.2520048		302.8356499	482.821039		
469.7840825						
ITFG3 ITFG3	675.0074663		261.4598489	1499.755883		
832.6653153						
LOC100190986	LOC100190986		4.166712755	10.5640343		
1.115060136	5.884560532					
SETD7 SETD7	617.7151659		1015.907965	1086.068573		
1044.509494						
AKAP3 AKAP3	129.1680954		82.751602	253.1186509		
107.8836098						
LINC01031	LINC01031		3.125034566	1.760672383		
3.345180409	1.961520177					
LOC100506127	LOC100506127		27.08363291	43.13647338		
92.54999131	45.11496408					
RNU6-16P	RNU6-16P		0	0.880336191	0	0
OLFML1 OLFML1	4.166712755		6.16235334	10.03554123		
12.74988115						
ANKMY2 ANKMY2	1678.143562		1391.811519	1724.998031		
1138.662463						
PVRIG2P PVRIG2P	637.5070515		835.4390457	611.0529547		
1151.412344						
C1orf105	C1orf105		2.083356377	0	10.03554123	
0.980760089						
EFCAB7 EFCAB7	542.7143363		559.8938178	501.7770613		
477.6301632						
RBM43 RBM43	71.87579502		147.016144	158.3385393		
98.07600887						
FAM89A FAM89A	844.801011		972.7714915	1015.819784		
1441.71733						
NFATC2IP	NFATC2IP		3252.119305	5064.574109		
3607.219541	3631.754608					
ZDHHC12 ZDHHC12	4954.221465		4117.332367	2899.156354		
3629.793088						
USP37 USP37	2370.859557		3076.774989	2874.625031		
3203.16245						
SNORA64 SNORA64	102.0844625		74.82857627	180.6397421		
131.4218519						
RPS26P11	RPS26P11		0	0	0	1.961520177
ASB9P1 ASB9P1	2.083356377		0	0	0	
CCNB1 CCNB1	21550.23837		19205.41435	9637.464758		
13284.3954						
LOC101929517	LOC101929517		2.083356377	0	0	

1.961520177						
LINC01395	LINC01395	0	0	35.68192436		
19.61520177						
BRIP1 BRIP1	1520.850156	2201.720815	748.2053514			
1144.547023						
FSIP1 FSIP1	27.08363291	44.01680957	32.33674395			
30.40356275						
NEK8 NEK8	350.0038714	165.503204	511.8126025			
373.6695938						
NEUROG2 NEUROG2	1.041678189	0	0	0		
HOXB9 HOXB9	3.125034566	7.923025723	12.2656615			
2.942280266						
MIR4749 MIR4749	4.166712755	1.760672383	6.690360818			
7.846080709						
MIR4748 MIR4748	1.041678189	5.282017149	7.805420954			
0.980760089						
MIR4747 MIR4747	1.041678189	4.401680957	1.115060136	0		
MIR4751 MIR4751	9.375103698	20.2477324	21.18614259			
26.48052239						
MIR4742 MIR4742	0	1.760672383	4.460240545	7.846080709		
LOC100507217	LOC100507217	2496.902618	2455.257638			
3422.119558	2925.607344					
NAMA NAMA	0	0	1.115060136	0		
HHIP-AS1	HHIP-AS1	0	5.282017149	0	0	
RAD18 RAD18	3036.49192	2830.280855	2321.555204			
2765.74345						
RBKS RBKS	382.2958953	206.879005	355.7041835			
391.3232754						
MIR761 MIR761	60.41733494	62.50386959	39.02710477			
53.94180488						
LOC284648	LOC284648	3.125034566	0.880336191			
2.230120273	10.78836098					
LOC647859	LOC647859	1.041678189	0	3.345180409		
0						
NBAS NBAS	1533.350294	2972.895318	1740.608873			
2436.20806						
LINC00336	LINC00336	1.041678189	2.641008574			
7.805420954	6.865320621					
STK33 STK33	123.9597045	117.9650497	56.86806695			
79.44156718						
TPRKB TPRKB	2345.859281	2516.881171	1710.502249			
1894.828491						
PMS2L2 PMS2L2	118.7513135	108.2813515	81.39938995			
102.9798093						
SLC9A7P1	SLC9A7P1	0	11.44437049	0		
5.884560532						
DOC2GP DOC2GP	10.41678189	12.32470668	22.30120273			
15.69216142						
LIMD1-AS1	LIMD1-AS1	273.9613636	776.4565208			
389.1559876	437.4189995					

MIR630	MIR630	0	3.521344766	0	3.923040355
IER5L	IER5L	12.50013826	25.52974955		11.15060136
		37.26888337			
TEX261	TEX261	4142.754156	4642.012737		5127.046507
		4050.539166			
NEUROD4	NEUROD4	2.083356377	0	0	0
ZBTB42	ZBTB42	81.25089872	230.6480822		165.0289002
		188.305937			
TOMM40L	TOMM40L	1257.305574	1358.358743		1171.928203
		951.337286			
DOCK9-AS2	DOCK9-AS2		16.66685102		40.49546481
		65.78854804	67.67244612		
NOTCH2	NOTCH2	3022.950104	12634.58502		5088.019402
		5277.470037			
NUDT21	NUDT21	13688.69308	12727.90066		10923.12909
		11383.68235			
BLOC1S1-RDH5	BLOC1S1-RDH5		2131.273574		2511.599154
		1687.085986	1880.11709		
PFAS	PFAS	5720.896612	6537.376558		5303.226008
		7598.929167			
HESX1	HESX1	1.041678189	9.683698106	0	8.826840798
PRG2	PRG2	68.75076045	47.53815434		79.16926967
		114.7489304			
ARMCX5-GPRASP2	ARMCX5-GPRASP2		166.6685102		167.2638764
		612.1680148	387.400235		
ZNF865	ZNF865	4.166712755	29.93143051		11.15060136
		12.74988115			
RPL23	RPL23	7100.078534	9601.82684		9218.202146
		8181.50066			
ELOVL4	ELOVL4	210.4189941	665.5341607		301.0662368
		431.534439			
NUP50	NUP50	12195.96823	10784.11835		9647.500299
		9587.910627			
TUBA3C	TUBA3C	5.208390943	0.880336191	0	7.846080709
DNAJA2	DNAJA2	12606.38944	8994.394868		10274.1641
		9447.661934			
DIEXF	DIEXF	2568.778413	1928.816595		3317.303905
		3024.664113			
GRB2	GRB2	17059.5637	16002.75129		15148.09195
		16488.53861			
BCL9L	BCL9L	80.20922053	229.767746		221.8969671
		297.1703069			
TMED4	TMED4	3937.543553	3268.688279		3907.170717
		3672.946532			
ZNF678	ZNF678	252.0861217	294.0322879		280.9951543
		334.4391902			
CD300LB	CD300LB	0	0.880336191	0	0
FAR2	FAR2	1187.513135	1007.984939		1031.430626
		855.2227973			
P4HA3	P4HA3	2.083356377	0	0	0

TSPAN2	TSPAN2	300.0033183	772.9351761	110.3909535
166.7292151				
PPIF	PPIF	9648.023384	8181.844563	5307.686249
5658.004952				
MEIS1	MEIS1	3.125034566	3.521344766	0 1.961520177
ETF1	ETF1	11298.04163	9454.810696	9007.455781
9185.79899				
LOC101930452	LOC101930452		12.50013826	17.60672383
5.575300681	1.961520177			
CATSPERG	CATSPERG		22.91692015	19.36739621
167.2590204	57.86484523			
SERINC1	SERINC1	8414.676408	6055.832661	14999.78895
10025.32963				
KRT80	KRT80	0 0	10.03554123	0
KRT40	KRT40	0 0	0 1.961520177	
CCDC38	CCDC38	5.208390943	2.641008574	4.460240545
2.942280266				
LOC100131626	LOC100131626		461.4634376	384.7069157
440.4487538	452.1304009			
AKAP5	AKAP5	109.3762098	399.6726309	61.32830749
140.2486927				
GPR45	GPR45	0 0.880336191	0	0
NXP4	NXP4	8.33342551	8.803361914	1.115060136
3.923040355				
CYSLTR1	CYSLTR1	2177.107414	1662.074729	2608.125659
1881.09785				
KDELR3	KDELR3	72.91747321	163.7425316	64.6734879
81.40308736				
NDUFS6	NDUFS6	5093.806343	5664.963392	3704.229773
3922.059595				
ZNF32-AS1	ZNF32-AS1		134.3764863	101.238662
423.7228518	351.1121117			
AIRN	AIRN	1.041678189	3.521344766	0 0
METTL21EP	METTL21EP		0 0	0 0.980760089
FLJ38576	FLJ38576		11.45846008	17.60672383
12.2656615	7.846080709			
C15orf38-AP3S2	C15orf38-AP3S2		2666.696163	1942.021638
2331.590745	2000.750581			
DNAJC27-AS1	DNAJC27-AS1		25.00027653	24.64941336
139.382517	43.1534439			
MAPK8IP1	MAPK8IP1		2.083356377	5.282017149
4.460240545	6.865320621			
TEX12	TEX12	6.250069132	7.042689532	16.72590204
15.69216142				
VPS35	VPS35	11293.87492	8483.799877	12028.15369
10568.67072				
SLC7A11	SLC7A11	363.5456879	434.0057424	225.2421475
78.46080709				
DNAJB9	DNAJB9	2223.982933	1516.819258	4629.729686
2107.653431				

DRG1	DRG1	9708.440719	6782.110019	6645.758412	
7086.972401					
AN05	AN05	0	0	0.980760089	
P2RX6	P2RX6	0	0	6.865320621	
SMARCB1	SMARCB1	2870.865088	3488.772327	2094.082936	
1914.443693					
FAM127C	FAM127C	2.083356377	2.641008574	44.60240545	
40.21116364					
FAHD2CP	FAHD2CP	309.378422	196.3149707	320.0222591	
283.4396656					
SNORD116-7	SNORD116-7		0	0	2.230120273
NECAP1	NECAP1	2783.36412	1898.885165	3646.246646	0
2862.838699					
E2F4	E2F4	8591.7617	7690.616968	6461.77349	
7349.816104					
OXCT1	OXCT1	15748.09086	12765.75511	8509.0239	
10646.15076					
GAL3ST4	GAL3ST4	23.95859834	21.12806859	214.0915462	
99.05676896					
AGPAT5	AGPAT5	4110.462133	3820.659071	4458.010425	
4281.017787					
FBX040	FBX040	28.12531109	17.60672383	33.45180409	
25.49976231					
CRYAA	CRYAA	0	3.521344766	0	
LOC100130451	LOC100130451		2.083356377	0	1.115060136
0					
ANKRD13A	ANKRD13A		5441.726858	5566.365738	
5886.402459	4975.39593				
ZNF614	ZNF614	1264.597321	1282.649831	1244.407112	
1293.622557					
DOCK5	DOCK5	4.166712755	35.21344766	8.92048109	
19.61520177					
TMEM191A	TMEM191A		51.04223125	55.46118006	
61.32830749	52.96104479				
DSCR10	DSCR10	1.041678189	0	0	0
IQCK	IQCK	286.4615019	254.4171593	347.8987625	
355.0351521					
FAM153B	FAM153B	0	0	18.95602232	24.51900222
MYH16	MYH16	4.166712755	2.641008574	7.805420954	
3.923040355					
BRCA2	BRCA2	1825.020187	2205.24216	1389.36493	
1700.637994					
OVCH1-AS1	OVCH1-AS1		58.33397857	62.50386959	
11.15060136	49.03800443				
IER3IP1	IER3IP1	4576.092283	3960.632525	4721.164617	
4210.403061					
MOB2	MOB2	1028.136372	1365.401433	1215.415549	
1020.971252					
SLX4	SLX4	196.8771777	582.7825587	276.5349138	
235.3824213					

FBXL16	FBXL16	90.62600242	139.9734544	230.8174482	
237.3439415					
RNU6ATAC	RNU6ATAC		0	2.641008574	0
3.923040355					
APOF	APOF	7.291747321	8.803361914	6.690360818	
5.884560532					
MIR1184-3	MIR1184-3		405.2128154	410.2366652	
473.9005579		553.14869			
LIPT2	LIPT2	108.3345316	109.1616877	231.9325083	
212.8249392					
SGK494	SGK494	48.95887487	86.27294676	53.52288654	
42.17268381					
RPS4X	RPS4X	20341.89167	11701.42866	21414.72992	
11980.96524					
UBQLN2	UBQLN2	6200.068579	5383.255811	11566.51879	
8453.171204					
NPAS2	NPAS2	111.4595662	101.238662	354.5891233	
344.2467911					
UBE2T	UBE2T	6815.700389	6885.989689	4036.517693	
5135.259824					
PHKA2	PHKA2	598.9649585	1097.779231	728.134269	
807.165553					
UBE2V2	UBE2V2	9764.691341	7733.753442	6773.990328	
7264.489977					
SIX5	SIX5	13.54181645	15.84605145	5.575300681	
24.51900222					
SIGLECL1	SIGLECL1		11.45846008	0.880336191	0
0					
RTTN	RTTN	1287.514241	1750.988685	1291.239638	
1047.451775					
CMC2	CMC2	5359.434281	4298.681623	3991.915288	
3322.81518					
CCR4	CCR4	14948.08201	4692.1919	8515.714261	
6000.290222					
TMED2	TMED2	28933.65337	21356.956	23257.92432	
19672.08586					
LMAN2	LMAN2	19412.71472	15050.22753	12729.52652	
12674.36263					
MRC1	MRC1	1.041678189	0	13.38072164	5.884560532
SLC25A20	SLC25A20		4957.3465	2350.497631	
2627.081681		2121.384072			
STC1	STC1	1.041678189	8.803361914	2.230120273	
7.846080709					
SPDYE8P	SPDYE8P	31.25034566	46.65781815	18.95602232	
43.1534439					
UBE2Q2P1	UBE2Q2P1		66.66740408	67.78588674	
54.63794668		52.96104479			
CAND1	CAND1	19404.3813	17213.21355	19609.44756	
17714.48872					
ZC3H11A	ZC3H11A	5150.056965	5379.734466	6903.337304	

6493.612547				
TPTE2P1 TPTE2P1	3.125034566	0	0	0.980760089
ZNF781 ZNF781	1.041678189	4.401680957		52.4078264
117.6912106				
ZNF488 ZNF488	9.375103698	7.923025723		15.61084191
16.67292151				
MMEL1 MMEL1	411.4628845	362.6985109		440.4487538
694.3781428				
TCTA TCTA	1309.389483	779.9778656		1578.925153
1242.623032				
CDC42EP1	CDC42EP1	10.41678189		14.96571525
1.115060136	25.49976231			
SNX7 SNX7	2.083356377	15.84605145		17.84096218
6.865320621				
LOC100129034	LOC100129034	5806.314224		4339.177088
4189.280932	4271.210186			
APBB3 APBB3	290.6282146	391.7496052		423.7228518
470.7648426				
RNF219 RNF219	2519.819538	2348.736959		2988.361165
2794.185493				
ABCA11P ABCA11P	488.5470705	500.0309567		611.0529547
544.3218492				
COL4A2 COL4A2	0	5.282017149	0	0
MBNL2 MBNL2	1640.643147	1629.50229		1610.146837
1719.272435				
ZNF445 ZNF445	228.1275233	751.8071075		491.7415201
489.3992842				
ADAM10 ADAM10	13553.27491	11594.02764		8561.431726
8338.422274				
EFHB EFHB	9.375103698	1.760672383	0	5.884560532
APOBEC3F	APOBEC3F	3784.41686		3464.122913
2259.111836	2716.705446			
RTKN2 RTKN2	666.6740408	571.3381882		956.7215969
889.5494004				
SLC25A43	SLC25A43	464.5884722		296.6732965
666.8059615	550.2064097			
C8orf46 C8orf46	5.208390943	11.44437049	0	15.69216142
RGAG1 RGAG1	0	0	0.980760089	
UBR4 UBR4	1997.938766	5086.582514		3121.053321
2815.762215				
MIR1279 MIR1279	8.33342551	23.76907717		17.84096218
23.53824213				
KIAA1715	KIAA1715	1988.563662		2002.764836
1594.535995	1574.119942			
GSTA4 GSTA4	227.0858451	312.519348		170.6042008
319.7277889				
GPX8 GPX8	0	0	0.980760089	
KIAA1731	KIAA1731	1418.765693		1828.45827
1243.292052	1362.275763			
ZNF571 ZNF571	135.4181645	91.55496391		641.1595784

306.9779078				
RB1 RB1	7124.037133	5864.799707	4388.876696	
4262.383345				
ISCA2 ISCA2	2603.153794	2548.573274	2669.453966	
2762.80117				
SNORA25 SNORA25	35.41705842	16.72638764	28.99156354	
16.67292151				
ZCCHC12 ZCCHC12	0 5.282017149	15.61084191	67.67244612	
CFDP1 CFDP1	1257.305574	1229.829659	1291.239638	
1287.737996				
ENTPD7 ENTPD7	760.4250777	809.0289599	556.415008	
530.591208				
RNF126 RNF126	4101.087029	4404.321966	2652.728064	
3387.545346				
CXCL17 CXCL17	0 0.880336191	0	3.923040355	
C18orf25 C18orf25		3110.451071	2661.256307	
3540.315933	2976.606869			
CCDC151 CCDC151	1.041678189	1.760672383	20.07108245	
1.961520177				
CENPBD1 CENPBD1	810.4256308	685.7818931	902.0836502	
779.7042705				
GLS GLS	7994.880098	10426.70185	11684.71517	
12807.746				
HERC5 HERC5	5221.93276	2859.33195	12345.94583	
4691.956264				
ZSWIM5 ZSWIM5	6.250069132	11.44437049	150.5331184	
163.7869348				
SIPA1L2 SIPA1L2	40.62544936	105.640343	98.12529199	
136.3256523				
TLR5 TLR5	60.41733494	19.36739621	44.60240545	
68.65320621				
SPPL3 SPPL3	1786.478094	1879.517769	2853.438889	
2086.076709				
GNA11 GNA11	22.91692015	29.93143051	92.54999131	
43.1534439				
UBTD2 UBTD2	616.6734877	722.7560132	616.6282554	
708.108784				
FOXA3 FOXA3	0 0	1.115060136	2.942280266	
MMP7 MMP7	5.208390943	7.042689532	27.87650341	
2.942280266				
DUSP5 DUSP5	768.7585033	2301.198804	1137.361339	
1713.387875				
KPNA4 KPNA4	1858.353889	1853.107683	1973.656441	
1316.180039				
CEBPE CEBPE	0 6.16235334	4.460240545	1.961520177	
ASIP ASIP	0 0	6.690360818	0.980760089	
ARSD ARSD	78.12586415	96.83698106	108.1608332	
61.78788559				
ARVCF ARVCF	22.91692015	37.85445623	45.71746559	
49.03800443				

CYP20A1 CYP20A1	2386.48473	2420.924526	2733.012394	
2446.015661				
FLYWCH1 FLYWCH1	3272.952869	2581.145713	2495.504585	
2270.459605				
ADARB2 ADARB2	38.54209298	18.48706002	44.60240545	
25.49976231				
RPL10A RPL10A	8574.053171	10529.70119	9163.5642	
9721.293999				
ITGAX ITGAX	365.6290442	1397.973872	95.89517172	
407.9961969				
CTSF CTSF	333.3370204	210.4003498	457.1746559	
458.0149614				
LINC00383	LINC00383	0 0	3.345180409	0
EIF1B EIF1B	2348.984316	2157.704005	3518.01473	
2317.53609				
NR4A2 NR4A2	552.08944	522.0393615	1933.514276	
4616.437737				
SVIP SVIP	1916.687867	2170.909048	2691.755169	
2490.149865				
ACYP2 ACYP2	229.1692015	254.4171593	185.0999826	
220.67102				
MALSU1 MALSU1	1889.604234	2055.585007	1982.576922	
1919.347494				
RNF220 RNF220	3536.497451	3391.055009	4436.824282	
4213.345341				
SLC35E1 SLC35E1	3922.960059	3430.670138	3495.713527	
3358.122544				
ZNF703 ZNF703	0 2.641008574	0	0	
RPF1 RPF1	5428.185041	4666.662151	4957.557366	
4935.184766				
PTRH2 PTRH2	1700.018804	1561.716404	1535.437808	
1688.868873				
GLOD4 GLOD4	3967.752221	3908.69269	4619.694145	
4231.979783				
AGBL2 AGBL2	82.29257691	112.6830325	84.74457036	
143.1909729				
ZNF280B ZNF280B	328.1286294	298.4339689	238.6228692	
214.7864594				
LINC00242	LINC00242	15.62517283	10.5640343	
2.230120273	5.884560532			
SLC48A1 SLC48A1	1059.386718	1201.658901	858.5963049	
853.2612771				
GIN1 GIN1	716.6745938	581.9022225	761.5860731	
651.2246989				
LINC00278	LINC00278	0 9.683698106	0	
19.61520177				
TMEM72-AS1	TMEM72-AS1	0 0	2.230120273	0
ANGPTL5 ANGPTL5	1.041678189	0 3.345180409	0.980760089	
PPA1 PPA1	16517.89104	15472.7889	15532.7877	
17032.86046				

PRSS53	PRSS53	50.00055306	77.46958485	34.56686422	
63.74940576					
LONRF1	LONRF1	643.7571206	563.4151625	1276.743856	
971.9332479					
GPR52	GPR52	1.041678189	0	0	0
HIST1H3B	HIST1H3B		39.58377117	204.2379964	
22.30120273		35.30736319			
MYL6B	MYL6B	1673.976849	1934.978949	819.5692002	
1197.508068					
SNAPC1	SNAPC1	1205.221664	954.2844315	1397.170351	
1405.429207					
EMX1	EMX1	0	0.880336191	1.115060136	0.980760089
GAST	GAST	1.041678189	0	1.115060136	0
LOC101928335	LOC101928335	0	1.760672383	0	0
ST13P4	ST13P4	6.250069132	3.521344766	4.460240545	
2.942280266					
NACAP1	NACAP1	0	1.760672383	3.345180409	2.942280266
PIK3R4	PIK3R4	3541.705842	3745.830495	3893.789996	
4353.594034					
TFB2M	TFB2M	2770.863982	1703.45053	2293.6787	
2065.480747					
FAM20C	FAM20C	0	3.521344766	0	0.980760089
SLN	SLN	2.083356377	0	0	0
S100A5	S100A5	33.33370204	71.30723151	13.38072164	
15.69216142					
HBA2	HBA2	0	0	0.980760089	
PECAM1	PECAM1	171.8769011	190.1526174	1439.542636	
370.7273135					
LOC101928736	LOC101928736		1010.427843	835.4390457	
777.196915		991.5484496			
PHF3	PHF3	2417.735076	3322.388786	5030.036275	
3685.696413					
LOC148709	LOC148709		12.50013826	11.44437049	
11.15060136		3.923040355			
C15orf27	C15orf27		3.125034566	7.923025723	0
0					
CYSRT1	CYSRT1	14.58349464	18.48706002	28.99156354	
11.76912106					
CLIC3	CLIC3	277.0863982	98.59765344	121.5415549	
81.40308736					
RAG2	RAG2	0	0	5.884560532	
ITGA4	ITGA4	32133.68876	33063.66668	9863.821965	
10594.17048					
COL14A1	COL14A1	0	10.5640343	1.115060136	0.980760089
ACTRT3	ACTRT3	72.91747321	76.58924866	57.98312709	
39.23040355					
UBE2J2	UBE2J2	5414.643225	3979.999921	3651.821946	
3686.677173					
EXOSC3	EXOSC3	5871.93995	4685.149211	4434.594162	
4880.262201					

AMIG03	AMIG03	69.79243864	171.6655573	62.44336763
54.92256497				
CCDC141	CCDC141	393.7543553	160.2211868	389.1559876
184.3828967				
CAMSAP3	CAMSAP3	10.41678189	103.8796706	4.460240545
72.57624656				
TBCD	TBCD	5434.43511	5559.323049	4080.005039
5818.849606				
SLC9A3R1	SLC9A3R1		35091.01314	25707.57746
11572.09409	13899.33198			
DSTNP2	DSTNP2	142.7099119	94.19597248	56.86806695
92.19144833				
LOC285000	LOC285000		0 0	0 0.980760089
CD1A	CD1A	1.041678189	28.17075813	0 21.57672195
PER1	PER1	269.7946509	794.9435809	916.579432
561.9755308				
ZNF43	ZNF43	926.0519098	1044.078723	2072.896793
1424.063649				
ZNF264	ZNF264	281.2531109	556.372473	526.3083843
492.3415645				
TXNDC17	TXNDC17	6265.694305	6783.870691	4869.467615
5914.964095				
DCST2	DCST2	0 3.521344766	7.805420954	2.942280266
GABPB2	GABPB2	602.0899931	490.3472586	545.2644066
522.7451273				
LRRC3	LRRC3	97.91774974	116.2043773	140.4975772
103.9605694				
HOXC8	HOXC8	0 0	4.460240545	0
ZNF157	ZNF157	1.041678189	21.12806859	98.12529199
35.30736319				
PRKCG	PRKCG	0 0	1.115060136	0
HIST1H2B0	HIST1H2B0		6.250069132	10.5640343
5.575300681	3.923040355			
PAK2	PAK2	6113.609289	9326.281612	5258.623603
4782.186192				
EIF3G	EIF3G	7020.910992	5346.281691	6563.243962
6103.270032				
ABHD4	ABHD4	1531.266937	994.7798963	2146.490762
1280.872676				
PYCRL	PYCRL	1486.474775	1195.496548	1092.758934
1408.371487				
KANTR	KANTR	86.45928966	85.39261057	99.24035213
89.24916807				
THRIL	THRIL	2196.8993	2243.096616	1429.507095
1580.985263				
MIR645	MIR645	1.041678189	1.760672383	0 0.980760089
MIR644A	MIR644A	0 1.760672383	3.345180409	3.923040355
KRAS	KRAS	4013.586061	6489.838403	4524.914033
4421.26648				
BRICD5	BRICD5	280.2114328	255.2974955	173.9493813

191.2482173				
EXOC6B EXOC6B	415.6295973	219.2037117	332.2879206	
276.574345				
FAM219A FAM219A	103.1261407	318.6817013	124.8867353	
93.17220842				
LOC100288974	LOC100288974	0	0	1.115060136
1.961520177				
FLJ43315	FLJ43315	1.041678189	8.803361914	
4.460240545	10.78836098			
SERPINB9P1	SERPINB9P1	71.87579502	38.73479242	
217.4367266	58.84560532			
THEGL THEGL	0	1.760672383	2.230120273	0
LOC100129083	LOC100129083	27.08363291	14.96571525	
22.30120273	5.884560532			
ZNF785 ZNF785	285.4198237	240.3317803	350.1288828	
351.1121117				
ARRDC4 ARRDC4	33.33370204	34.33311147	60.21324736	
70.61472638				
MIR671 MIR671	165.626832	231.5284183	131.5770961	
179.4790962				
TXNDC15 TXNDC15	1914.604511	1986.918784	1466.304079	
1490.755335				
DCAF16 DCAF16	938.552048	1113.625282	1539.898048	
1166.123745				
TSPAN11 TSPAN11	0	0	4.903800443	
COL5A2 COL5A2	150.0016592	29.93143051	101.4704724	
58.84560532				
HIST1H3H	HIST1H3H	104.1678189	110.0420239	
45.71746559	27.46128248			
HIST1H3J	HIST1H3J	36.4587366	206.879005	
30.10662368	27.46128248			
AGFG2 AGFG2	1788.56145	2326.728554	1573.349852	
2320.47837				
RAD9A RAD9A	6034.441747	4778.464847	3259.320778	
3746.503539				
MYH9 MYH9	40878.57716	94336.82627	34337.16184	
51141.73482				
RHPN1 RHPN1	204.168925	401.4333033	237.507809	
595.3213738				
PPAN PPAN	4574.008927	3309.183744	4129.067685	
4910.665764				
HUNK HUNK	0	0	4.903800443	
TMEM8A TMEM8A	3056.283806	4872.66082	2537.87687	
3102.14416				
PELO PELO	3202.118752	2348.736959	2365.042549	
2200.825639				
C2orf15 C2orf15	11.45846008	33.45277527	57.98312709	
54.92256497				
TUBB6 TUBB6	2371.901236	1567.878757	820.6842603	
863.068878				

GNPTG	GNPTG	1109.387271	1059.924774	1261.133014
1332.852961				
MY05C	MY05C	175.0019357	143.4947992	136.0373366
186.3444168				
ISG15	ISG15	11416.79295	4465.945499	23424.06828
6092.481671				
ZRSR2	ZRSR2	1639.601469	724.5166856	1991.497403
971.9332479				
TBX6	TBX6	3.125034566	16.72638764	11.15060136
19.61520177				
CRHBP	CRHBP	0	0.880336191	0
TUBB1	TUBB1	81.25089872	102.9993344	140.4975772
63.74940576				
ARHGAP15	ARHGAP15		7522.999879	7558.56654
6804.096951	7080.10708			
LOC100996693	LOC100996693	0	3.521344766	0
0.980760089				
MLLT10P1	MLLT10P1	0	13.20504287	7.805420954
4.903800443				
PVRL3-AS1	PVRL3-AS1	1.041678189	0	2.230120273
0				
DVL3	DVL3	2500.027653	3182.415332	2657.188305
2752.012809				
PIK3C2A	PIK3C2A	1141.679295	1625.980946	1857.690187
1431.909729				
PRR34	PRR34	64.5840477	80.11059342	141.6126373
99.05676896				
HMG2	HMG2	61314.21986	41961.22456	38549.85903
36694.15796				
TMEM203	TMEM203	3032.325207	2583.786722	4096.730941
3352.237983				
STAM	STAM	3843.792516	2728.161857	2649.382884
2553.899271				
FRZB	FRZB	0	0	0.980760089
HOXB7	HOXB7	64.5840477	57.22185244	31.22168382
9.807600887				
GTF2A2	GTF2A2	10606.36732	8075.323884	7649.312535
6821.186417				
GABARAP	GABARAP	9760.524628	10387.08672	12867.79397
9908.619176				
LOC101929439	LOC101929439	2.083356377		4.401680957
12.2656615	2.942280266			
CYTIP	CYTIP	23630.46971	18678.09297	20918.52816
20023.19797				
POTEJ	POTEJ	1.041678189	0.880336191	0
CCDC127	CCDC127	1346.889898	1085.454524	1101.679415
1147.489304				
SLC25A40	SLC25A40		2118.773436	2475.50537
1314.655901	1815.386924			
COG3	COG3	1977.105202	1886.560458	2447.556999

2342.055092				
MESDC1 MESDC1	719.7996284	1301.136891	566.4505492	
459.9764816				
PHLPP2 PHLPP2	591.6732112	1553.793378	1455.153478	
1167.104506				
EXOSC5 EXOSC5	2522.944573	1648.869687	2095.197996	
2209.65248				
RAB6B RAB6B	39.58377117	81.8712658	90.31987104	
45.11496408				
CCDC70 CCDC70	1.041678189	0 0	0	
CCDC67 CCDC67	3.125034566	0 0	1.961520177	
COX7A2L COX7A2L	6287.569547	5124.43697	6142.866291	
5020.510894				
DGKI DGKI	143.75159	90.67462772	4.460240545	
28.44204257				
EPM2AIP1	EPM2AIP1	1007.302808	1089.856205	
1547.703469	1225.950111			
MY01G MY01G	35844.14647	26853.77518	13426.4391	
15685.2961				
DOLK DOLK	2030.23079	1264.162771	1670.360084	
1318.141559				
DNAJC5 DNAJC5	885.4264604	1795.005494	1110.599896	
794.4156718				
ACOT12 ACOT12	1.041678189	1.760672383	0 0.980760089	
MRPS15 MRPS15	5571.936631	4815.438967	3325.109326	
3695.504014				
KLHL20 KLHL20	1543.767076	1122.428644	1600.111296	
1357.371963				
TRIM21 TRIM21	7434.457233	4249.382796	9824.794861	
6099.346991				
KLK14 KLK14	1.041678189	3.521344766	0 1.961520177	
PCOLCE2 PCOLCE2	0 3.521344766	0	5.884560532	
SLC16A8 SLC16A8	1.041678189	7.042689532	0 0	
PREP PREP	6117.776002	4682.508202	3805.700245	
4183.922538				
BSND BSND	1.041678189	3.521344766	0 0	
TMEM123 TMEM123	16057.46928	15442.85747	29093.03402	
18187.21508				
KLHL29 KLHL29	35.41705842	7.042689532	178.4096218	
133.3833721				
SLC16A9 SLC16A9	411.4628845	275.5452279	114.851194	
160.8446545				
SERTAD1 SERTAD1	1515.641765	1074.010154	2244.616054	
1897.770772				
IDI1 IDI1	9085.517162	8403.689283	8693.008822	
9511.41134				
GRIK1-AS2	GRIK1-AS2	6.250069132	1.760672383	
41.25722504	20.59596186			
LOC100133331	LOC100133331	14.58349464	60.74319721	
40.14216491	52.96104479			

LINC01001	LINC01001	1.041678189	5.282017149		
13.38072164	1.961520177				
LOC100129138	LOC100129138	1.041678189	0	0	0
LINC01002	LINC01002	1.041678189	2.641008574		
3.345180409	3.923040355				
PIGP PIGP	458.338403	563.4151625	489.5113998		
612.9750554					
RFNG RFNG	294.7949274	623.2780235	321.1373192		
410.9384772					
UPK2 UPK2	6.250069132	7.923025723	13.38072164		
8.826840798					
RTEL1-TNFRSF6B	RTEL1-TNFRSF6B	1497.933235	2324.967882		
1058.192069	1958.577897				
RAD50 RAD50	4160.462686	3319.747778	4197.086353		
3816.137505					
TSPAN1 TSPAN1	3.125034566	3.521344766	15.61084191		
6.865320621					
DBR1 DBR1	2387.526408	1941.141302	2934.838279		
2580.379793					
ATP5F1 ATP5F1	22221.07912	17491.39979	17121.74839		
16711.17115					
CACHD1 CACHD1	3.125034566	23.76907717	194.0204637		
76.49928692					
RGS14 RGS14	2409.40165	1952.585673	2107.463658		
2912.857463					
UBE2N UBE2N	24025.26574	18023.12285	16506.2352		
17160.35927					
TM7SF3 TM7SF3	8234.466082	5752.116675	5069.063379		
5103.875501					
C10orf11	C10orf11	0	0	5.575300681	0
FAM173A FAM173A	461.4634376	461.2961643	566.4505492		
749.3007077					
TIMELESS	TIMELESS	8609.47023	10206.6178		
5575.300681	7844.119189				
MIR1233-1	MIR1233-1	1.041678189	0	0	0
NCMAP NCMAP	11.45846008	5.282017149	35.68192436		
16.67292151					
FOXR1 FOXR1	0	0.880336191	13.38072164	3.923040355	
PNMAL1 PNMAL1	0	11.44437049	0	10.78836098	
RNF112 RNF112	0	3.521344766	0	6.865320621	
PTPN23 PTPN23	166.6685102	477.1422158	471.6704376		
325.6123494					
PTGDR2 PTGDR2	886.4681386	394.3906138	680.1866831		
552.1679299					
FAM72C FAM72C	2761.488878	2551.214283	1468.534199		
2114.518751					
MIR638 MIR638	15.62517283	16.72638764	8.92048109		
12.74988115					
MIR590 MIR590	3.125034566	3.521344766	8.92048109		
7.846080709					

MIR589	MIR589	3.125034566	5.282017149	6.690360818	0
MIR573	MIR573	9.375103698	3.521344766	16.72590204	
		3.923040355			
MIR568	MIR568	0	4.460240545	2.942280266	
SMG7-AS1	SMG7-AS1		7.291747321	29.05109432	
		8.92048109	7.846080709		
DGAT2L6	DGAT2L6	3.125034566	0.880336191	2.230120273	
		2.942280266			
C10orf91	C10orf91		0	0.880336191	0
		1.961520177			
C11orf53	C11orf53		0	2.641008574	0
LINC00342	LINC00342		100.0011061	153.1784973	0
		62.44336763	92.19144833		
LOC644050	LOC644050		0	0.880336191	0
LOC100128494	LOC100128494		2152.107138	4756.456442	0
		3151.159945	3795.541543		
NCAPG	NCAPG	11345.95883	9979.491066	5576.415741	
		6931.031547			
RSPH3	RSPH3	194.7938213	270.2632108	176.1795015	
		399.1693561			
SLC20A1	SLC20A1	19214.79587	11668.85622	10853.99537	
		9825.254568			
GNAQ	GNAQ	1323.972978	1604.852877	1262.248074	
		869.9341986			
MALRD1	MALRD1	0	2.230120273	0.980760089	
EFHC2	EFHC2	0	26.41008574	12.2656615	42.17268381
FOXD4	FOXD4	5.208390943	0.880336191	0	0
BRF2	BRF2	1008.344487	725.3970217	1361.488426	
		763.031349			
WDR34	WDR34	4231.296802	4151.665479	1998.187764	
		3074.682878			
SLC24A5	SLC24A5	57.29230038	75.70891246	42.37228518	
		54.92256497			
QRICH2	QRICH2	62.50069132	66.90555055	34.56686422	
		75.51852683			
INTS2	INTS2	2478.152411	3383.131984	2124.18956	
		2445.034901			
A3GALT2	A3GALT2	0	0.880336191	0	0.980760089
LRRN4	LRRN4	2.083356377	0.880336191	26.76144327	
		6.865320621			
CCDC116	CCDC116	9.375103698	6.16235334	23.41626286	
		2.942280266			
LOC100505549	LOC100505549		184.3770394	189.2722812	
		241.9680496	206.9403787		
RNF212B	RNF212B	25.00027653	44.89714576	44.60240545	
		51.9802847			
HCRT	HCRT	2.083356377	4.401680957	0	4.903800443
GUCY2F	GUCY2F	0	1.115060136	2.942280266	
PXDN	PXDN	0	216.5627031	0	50.01876452
RPL30	RPL30	7979.254925	11434.68679	13580.3174	

11479.79684				
SERTAD3 SERTAD3	555.2144746	475.3815434	853.0210042	
592.3790936				
ZNF225 ZNF225	339.5870895	315.1603565	641.1595784	
448.2073605				
SDHAF2 SDHAF2	3255.24434	3378.730303	3443.305701	
2754.955089				
C10orf32-ASMT C10orf32-ASMT		626.0485914	674.3375226	
628.8939169	510.9760062			
S100A6 S100A6	11525.12748	18870.8866	7188.792698	
9760.524402				
QDPR QDPR	2553.153241	1975.474414	2235.695573	
2414.631338				
TLR9 TLR9	98.95942793	53.70050768	56.86806695	
148.0947734				
A4GALT A4GALT	71.87579502	0 7.805420954	0	
MIR6783 MIR6783	9.375103698	12.32470668	0 2.942280266	
MIR6781 MIR6781	68.75076045	69.54655912	89.2048109	
74.53776674				
MIR6782 MIR6782	0 0	0 0.980760089		
PTGDR PTGDR	3.125034566	0 28.99156354	5.884560532	
SESN2 SESN2	1041.678189	1040.557378	1738.378752	
966.0486873				
TMIGD2 TMIGD2	271.8780073	583.6628949	743.7451109	
655.1477392				
C19orf10 C19orf10		8385.509419	5982.764757	
6290.054229	5481.468136			
FOPNL FOPNL	4064.628292	3681.565953	2734.127454	
3308.103779				
COMTD1 COMTD1	639.5904079	538.7657492	543.0342864	
740.4738669				
ANKRD22 ANKRD22	184.3770394	80.11059342	119.3114346	
197.1327778				
LAG3 LAG3	7234.455021	11417.08007	3311.728605	
7979.464081				
NPR2 NPR2	96.87607155	139.0931182	100.3554123	
174.5752958				
HIST1H2BL HIST1H2BL		20.83356377	29.05109432	
3.345180409	22.55748204			
HIST1H2BN HIST1H2BN		95.83439336	198.0756431	
85.85963049	91.21068825			
HIST1H2BG HIST1H2BG		17.70852921	35.21344766	
18.95602232	6.865320621			
HIST2H2AA3 HIST2H2AA3		1.041678189	7.042689532	
2.230120273	0			
NUTM2A-AS1 NUTM2A-AS1		640.632086	388.2282604	
647.8499392	357.9774324			
YWHAEP7 YWHAEP7	0 3.521344766	1.115060136	0	
PSMD4 PSMD4	18588.74728	12799.20789	12735.10182	
12666.51655				

PRKCI	PRKCI	2558.361631	2110.165851	2363.927489	
2268.498085					
ANKRD36B	ANKRD36B		1525.016868	1312.581261	
1220.990849	1278.911156				
KIAA1244	KIAA1244		13.54181645	29.93143051	0
	29.42280266				
PVRL3	PVRL3	34.37538023	208.6396774	47.94758586	
87.28764789					
PMS2P4	PMS2P4	169.7935448	154.9391697	98.12529199	
164.7676949					
RXFP4	RXFP4	0	2.641008574	7.805420954	3.923040355
SNORD22	SNORD22	52.08390943	60.74319721	55.75300681	
63.74940576					
PP7080	PP7080	658.3406153	784.3795466	931.0752138	
1139.643223					
KHDRBS3	KHDRBS3	50.00055306	20.2477324	12.2656615	
15.69216142					
GID4	GID4	316.6701694	598.6286102	580.946331	
551.1871698					
PKD1L1	PKD1L1	3.125034566	12.32470668	36.7969845	
4.903800443					
LOC155060	LOC155060		55.208944	82.751602	
41.25722504	116.7104506				
LOC145474	LOC145474		9.375103698	7.042689532	
8.92048109	2.942280266				
AMY2B	AMY2B	43.75048393	42.25613719	140.4975772	
83.36460754					
OSER1	OSER1	2642.737565	1934.098613	3619.485202	
2651.97528					
PGRMC2	PGRMC2	540.6309799	1450.794043	1009.129423	
810.1078332					
MIR484	MIR484	0	1.760672383	1.115060136	0
AIG1	AIG1	280.2114328	544.0477663	395.8463484	
592.3790936					
GALNT5	GALNT5	39.58377117	10.5640343	23.41626286	0
MFI2	MFI2	62.50069132	73.94824008	112.6210738	
74.53776674					
LOC100505841	LOC100505841	0	0	0	0.980760089
TPBGL	TPBGL	0	0.880336191	0	10.78836098
MPC1L	MPC1L	0	3.521344766	0	0
MAN2A2	MAN2A2	2570.86177	4749.413753	2693.985289	
3371.853185					
DUSP8	DUSP8	5.208390943	13.20504287	27.87650341	
21.57672195					
DUSP2	DUSP2	8765.721958	5985.405766	10759.21525	
22990.978					
ELM03	ELM03	15.62517283	48.41849053	33.45180409	
39.23040355					
C2orf61	C2orf61	0	2.641008574	1.115060136	1.961520177
BTN2A3P	BTN2A3P	8.33342551	31.69210289	12.2656615	

50.99952461					
EN01-AS1	EN01-AS1		93.75103698		80.99092961
171.719261	96.11448869				
STK4-AS1	STK4-AS1		39.58377117		17.60672383
43.48734531	21.57672195				
LOC284889	LOC284889		22061.70236		28595.08017
20634.18782	30263.31406				
C15orf39	C15orf39		512.5056688		1404.136225
291.0306956	235.3824213				
CCR5 CCR5	2896.907043		3334.713493		731.4794494
1167.104506					
SLC11A1 SLC11A1	26.04195472		27.29042193		4.460240545
5.884560532					
ATP5B ATP5B	121818.0141		80232.96015		79220.56244
82932.09234					
FLJ23867	FLJ23867		18.7502074		15.84605145
22.30120273	37.26888337				
LOC101928436	LOC101928436		2.083356377	0	1.115060136
0					
MIR647 MIR647	3.125034566		9.683698106		6.690360818
5.884560532					
FRMD8P1 FRMD8P1	0 0		1.115060136	0	
AP00P5 AP00P5	0 0		2.230120273	0	
FAS-AS1 FAS-AS1	90.62600242		50.17916291		192.9054036
67.67244612					
PHKA2-AS1	PHKA2-AS1		90.62600242		155.8195059
123.7716751	140.2486927				
MIR648 MIR648	0 0.880336191	0	0	0	
BRINP2 BRINP2	0 0	0	1.961520177		
TMEM55A TMEM55A	800.0088489		654.9701264		878.6673874
855.2227973					
GYLTL1B GYLTL1B	5.208390943		3.521344766		52.4078264
63.74940576					
SNORD116-4	SNORD116-4		2.083356377		4.401680957
6.690360818	3.923040355				
ARHGAP26-AS1	ARHGAP26-AS1		5.208390943		1.760672383 0
0					
LINC00941	LINC00941		0 0.880336191		17.84096218
0					
NEAT1 NEAT1	629.173626		1624.220273		700.2577656
1054.317095					
TTY15 TTY15	0 1107.462929	0	1180.835147		
NCRNA00185	NCRNA00185	0	1.760672383	0	
0.980760089					
LOC643923	LOC643923		3.125034566		0.880336191
3.345180409	0				
LOC284009	LOC284009		10.41678189		5.282017149
43.48734531	21.57672195				
MIR16-1 MIR16-1	4.166712755		4.401680957	0	1.961520177
MIR1972-2	MIR1972-2		1.041678189		1.760672383 0

		0.980760089			
MIR1244-3	MIR1244-3		10468.8658		10568.43598
10111.36532	10123.40564				
KCNQ5-AS1	KCNQ5-AS1		0	4.401680957	1.115060136
		2.942280266			
MIR181A1HG	MIR181A1HG		114.5846008		120.6060582
59.09818722	26.48052239				
MFN1 MFN1	1747.936001		1483.366483		1556.62395
1210.257949					
C19orf33	C19orf33		7.291747321		9.683698106
44.60240545	11.76912106				
ARHGAP18	ARHGAP18		863.5512184		681.3802122
574.2559702	585.5137729				
MYBL2 MYBL2	21440.86216		21303.2555		7795.385413
12076.09897					
FAM32A FAM32A	10893.8705		8641.380055		7153.110774
7072.260999					
SOX4 SOX4	364.587366		2220.207875		166.1439603
533.5334882					
SOX2 SOX2	0	7.042689532	4.460240545		0
CX3CL1 CX3CL1	1.041678189	0	0		0
SORL1 SORL1	1756.269426		2601.393446		6330.196394
6566.188794					
NDUFB7 NDUFB7	3377.120688		3197.381047		2544.567231
2825.569815					
KCNMB1 KCNMB1	27.08363291		22.88874098		0
TMA7 TMA7	10794.91107		9717.150881		5.884560532
8743.47619					9444.559354
EMP1 EMP1	482.2970014		980.6945173		229.7023881
707.1280239					
RPL29 RPL29	16011.63544		15740.4111		15711.19732
15790.23743					
AVIL AVIL	87.50096785		94.19597248		152.7632387
101.0182891					
EIF1B-AS1	EIF1B-AS1		80.20922053		46.65781815
108.1608332	82.38384745				
PXN-AS1 PXN-AS1	939.5937262		900.5839238		774.9667947
695.3589029					
LOC100134317	LOC100134317		1.041678189		0
0.980760089					0
KCNQ1 KCNQ1	177.0852921		323.9637184		401.4216491
622.7826563					
TMEM56-RWDD3	TMEM56-RWDD3		442.7132302		410.2366652
343.438522	494.3030847				
NOTUM NOTUM	4.166712755		17.60672383		8.92048109
21.57672195					
DTX3 DTX3	134.3764863		331.006408		390.2710477
317.7662687					
CCDC114 CCDC114	10.41678189		24.64941336		0
RIBC2 RIBC2	129.1680954		106.5206792		8.826840798
					127.1168555

105.9220896				
KIAA1279	KIAA1279	2538.569746	2311.762839	
1973.656441	2273.401886			
SCARNA9L	SCARNA9L	21.87524196	13.20504287	
45.71746559	4.903800443			
SRSF4 SRSF4	11830.33919	9933.713584	8704.159424	
9076.934621				
FAM133DP	FAM133DP	985.4275665	917.3103115	
929.9601536	920.9337233			
RAX RAX	1.041678189	0.880336191	0 0	
PSMB1 PSMB1	28995.11238	24334.253	24186.76942	
22529.04				
PSMA7 PSMA7	33861.83288	27994.69089	24047.3869	
24503.31006				
PSMA2 PSMA2	33329.53533	26545.65752	23460.86527	
22028.85235				
SPATA3-AS1	SPATA3-AS1	92.70935879	103.8796706	
23.41626286	26.48052239			
NUMA1 NUMA1	5301.100302	12234.03205	8454.385953	
9602.622028				
TECTA TECTA	20.83356377	6.16235334	37.91204463	
8.826840798				
PURB PURB	869.8012876	1271.20546	1229.91133	
1020.971252				
ANKRD13B	ANKRD13B	45.8338403	95.07630868	
39.02710477	107.8836098			
LSM12 LSM12	4417.757198	3242.278193	3449.996062	
3360.084064				
SPATA32 SPATA32	34.37538023	41.375801	79.16926967	
78.46080709				
CCDC13 CCDC13	13.54181645	3.521344766	16.72590204	
11.76912106				
LOC102723439	LOC102723439	61.45901313	30.8117667	
52.4078264	47.07648426			
LMOD1 LMOD1	0 0.880336191	8.92048109	0	
CLCA4 CLCA4	1.041678189	0 0	0	
LOC101927901	LOC101927901	1.041678189	2.641008574	
1.115060136	0			
LOC101927620	LOC101927620	26.04195472	14.96571525	
49.062646	36.28812328			
CELSR3 CELSR3	213.5440287	640.8847474	489.5113998	
425.6498785				
FBX017 FBX017	2.083356377	3.521344766	0 5.884560532	
WFDC5 WFDC5	0 1.760672383	0 0	0	
SPRYD4 SPRYD4	495.8388178	420.8006995	555.2999479	
635.5325375				
ZNF467 ZNF467	1.041678189	0 35.68192436	14.71140133	
KBTBD12 KBTBD12	0 0	0 0.980760089		
ERICH1 ERICH1	981.2608538	1079.292171	1073.802911	
984.683129				

VPS25	VPS25	4768.802748	4235.297417	3311.728605
3292.411618				
PBDC1	PBDC1	3252.119305	2462.300327	3150.044885
2921.684304				
IP04	IP04	4982.346777	3013.390783	4955.327246
4923.415645				
OR3A4P	OR3A4P	0	0.880336191	0
1.961520177				
PMS2P1	PMS2P1	1695.852091	1881.278441	1595.651055
2023.308063				
ZBTB26	ZBTB26	138.5431991	165.503204	70.24878858
171.6330155				
AP5M1	AP5M1	5331.30897	3992.324628	4882.848337
4348.690233				
EFCAB6	EFCAB6	7.291747321	4.401680957	21.18614259
24.51900222				
NAA15	NAA15	6820.90878	5959.876016	6943.479469
5801.195924				
SPAG7	SPAG7	4638.592974	3436.832491	3484.562926
3480.717555				
CTTNBP2NL	CTTNBP2NL		145.8349464	215.6823669
238.6228692	272.6513047			
USPL1	USPL1	1655.226642	1667.356747	2688.409989
1872.271009				
SAMHD1	SAMHD1	21210.65128	11590.5063	13892.53424
8207.000422				
RRP1B	RRP1B	6583.406153	7512.789058	7833.297457
6956.531309				
CST3	CST3	17.70852921	24.64941336	31.22168382
14.71140133				
TOLLIP-AS1	TOLLIP-AS1		29.16698928	22.00840479
17.84096218	9.807600887			
STAB2	STAB2	6.250069132	4.401680957	27.87650341
13.73064124				
NDUFAF6	NDUFAF6	1290.639276	1068.728136	1325.806502
1141.604743				
POU5F1P4	POU5F1P4		19.79188559	8.803361914
44.60240545	18.63444168			
ZNF702P	ZNF702P	32.29202385	32.57243908	641.1595784
240.2862217				
ABCA17P	ABCA17P	2.083356377	23.76907717	5.575300681
17.6536816				
BCRP3	BCRP3	4.166712755	18.48706002	0
9.807600887				
UOX	UOX	0	1.115060136	0
0				
GUCY1B2	GUCY1B2	2.083356377	0	0
0				
MIR98	MIR98	3.125034566	3.521344766	5.575300681
5.884560532				
LINC00312	LINC00312		1.041678189	0
0				0
HSPA12A	HSPA12A	1.041678189	2.641008574	0
0				9.807600887
KRTAP5-AS1	KRTAP5-AS1	0	0	0
0				0.980760089
SUZ12P1	SUZ12P1	92.70935879	222.7250564	139.382517

143.1909729				
LOC100131691	LOC100131691	148.959981	125.8880754	
206.2861252	164.7676949			
ZNF217 ZNF217	622.9235568	1344.273364	1134.016159	
684.5705419				
DYNLT3 DYNLT3	1131.262513	831.0373647	3690.849051	
2302.824688				
VTRNA1-2	VTRNA1-2	1.041678189	1.760672383	
5.575300681	0			
EGOT EGOT	10.41678189	11.44437049	17.84096218	
7.846080709				
SEC1P SEC1P	10.41678189	24.64941336	40.14216491	
37.26888337				
RFXAP RFXAP	385.4209298	606.5516359	439.3336937	
411.9192372				
IFNAR1 IFNAR1	3931.293484	3424.507785	4631.959806	
3874.98311				
TPST1 TPST1	137.5015209	99.47798963	198.4807043	
116.7104506				
TTF2 TTF2	4530.258443	5435.195646	3463.376783	
4417.343439				
FAAHP1 FAAHP1	4.166712755	2.641008574	0 31.38432284	
HIF1A-AS2	HIF1A-AS2	2038.564215	3540.712162	
3465.606904	5429.487851			
MFSD3 MFSD3	417.7129537	382.9462433	302.1812969	
392.3040355				
LGALSL LGALSL	161.4601192	171.6655573	149.4180583	
160.8446545				
TPT1-AS1	TPT1-AS1	178.1269703	211.2806859	
192.9054036	309.920188			
LINC00654	LINC00654	1.041678189	0 1.115060136	
1.961520177				
WEE2-AS1	WEE2-AS1	19.79188559	8.803361914	
10.03554123	14.71140133			
LINC00667	LINC00667	1115.63734	925.2333372	
1513.136605	1240.661512			
LOC100126784	LOC100126784	0 5.282017149	7.805420954	
5.884560532				
CD27-AS1	CD27-AS1	2880.240192	4495.87693	
2167.676905	4536.99617			
TP53TG1 TP53TG1	455.2133685	540.5264215	520.7330836	
521.7643672				
A1BG-AS1	A1BG-AS1	288.5448583	242.0924526	
342.3234618	293.2472665			
ZNF674-AS1	ZNF674-AS1	210.4189941	130.2897563	
137.1523968	177.517576			
PAX8-AS1	PAX8-AS1	483.3386796	1528.263628	
587.6366918	1777.137281			
MIR4323 MIR4323	0 0	0 0.980760089		
LINC00200	LINC00200	0 0.880336191	0	

0.980760089				
VLDLR-AS1	VLDLR-AS1	22.91692015	7.042689532	
14.49578177	7.846080709			
LINC01128	LINC01128	766.6751469	638.2437388	
1112.830016	1020.971252			
SNHG17	SNHG17	1048.969936	826.6356838	1147.39688
1276.949635				
GLIDR	GLIDR	181.2520048	106.5206792	148.3029981
86.3068878				
NPHS1	NPHS1	2.083356377	1.760672383	0 0.980760089
RNF20	RNF20	2998.991505	2772.178667	2913.652136
3207.08549				
HCFC1	HCFC1	1859.395567	5482.7338	2709.596131
2454.842502				
NPBWR1	NPBWR1	0 0	3.345180409	5.884560532
RAC3	RAC3	1.041678189	26.41008574	0 4.903800443
TXLNB	TXLNB	10.41678189	23.76907717	55.75300681
29.42280266				
ROCK2	ROCK2	2000.022122	2205.24216	2499.964826
2220.440841				
KL	KL	52.08390943	22.00840479	33.45180409
34.3266031				
LOC283692	LOC283692	0 0	3.345180409	
0.980760089				
LOC441081	LOC441081	2.083356377	0 3.345180409	
0				
EDC4	EDC4	9184.47659	10784.99868	8311.658256
9410.393051				
GATC	GATC	11808.46395	9728.595252	8538.015463
9912.542216				
TMEM246	TMEM246	2.083356377	8.803361914	0 8.826840798
CAPNS2	CAPNS2	0 1.760672383	0 0	
DKFZP434I0714	DKFZP434I0714	148.959981	181.3492554	
120.4264947	217.7287397			
INGX	INGX	1.041678189	10.5640343	10.03554123
19.61520177				
ITPKA	ITPKA	158.3350847	358.2968299	17.84096218
103.9605694				
ABCB6	ABCB6	2214.607829	1422.623285	981.2529199
1225.950111				
KMO	KMO	883.343104	885.6182086	653.4252399
710.0703042				
SLC6A16	SLC6A16	30.20866747	44.01680957	54.63794668
50.99952461				
CECR7	CECR7	47.91719668	27.29042193	59.09818722
35.30736319				
GPR82	GPR82	104.1678189	88.91395534	66.90360818
52.96104479				
CHD6	CHD6	625.0069132	952.5237591	1060.42219
969.9717277				

FLJ16779	FLJ16779	0	0.880336191	0	0
NCBP2-AS2	NCBP2-AS2	2471.902342		2023.012568	
2356.122068	2252.805924				
C16orf91	C16orf91	1446.891004		1006.224267	
1411.666133	1231.834671				
STRAP STRAP	13255.35495	12071.16986		11102.65378	
11478.81608					
HMOX1 HMOX1	4029.211234	1537.06699		1105.024595	
475.668643					
HLA-DRB5	HLA-DRB5	819.8007345		5901.773827	
228.5873279	1347.564362				
PTENP1 PTENP1	10.41678189	3.521344766		8.92048109	
9.807600887					
UBA6-AS1	UBA6-AS1	431.2547701		463.0568367	
565.3354891	421.7268381				
ADPRHL2 ADPRHL2	3967.752221	2554.735628		4043.208054	
3629.793088					
5-Mar 5-Mar	3253.160983	3053.005912		2543.452171	
2478.380744					
LOC101927354	LOC101927354	12.50013826		14.08537906	
23.41626286	10.78836098				
CLEC18B CLEC18B	3.125034566	1.760672383		2.230120273	
4.903800443					
COLGALT1	COLGALT1	4601.092559		4061.871187	
3732.106276	4855.743199				
COX5A COX5A	15174.12617	15257.10653		11074.77727	
10788.36098					
SLC22A4 SLC22A4	36.4587366	36.97412004		74.70902913	
85.32612771					
RYK RYK	417.7129537	390.869269		1655.864302	
1220.06555					
GOLGA8R GOLGA8R	0 0	0	1.961520177		
XXYLT1-AS2	XXYLT1-AS2	38.54209298		41.375801	
42.37228518	22.55748204				
RAB44 RAB44	4.166712755	3.521344766		5.575300681	
0.980760089					
LOC727896	LOC727896	11.45846008		12.32470668	
22.30120273	35.30736319				
ALMS1 ALMS1	214.5857069	640.8847474		539.689106	
411.9192372					
SUGP1 SUGP1	2373.984592	2092.559127		1939.089577	
2155.710675					
TNNC2 TNNC2	3.125034566	9.683698106		12.2656615	
4.903800443					
AP3S1 AP3S1	2298.983762	1802.92852		3008.432248	
2533.303309					
QPCT QPCT	236.4609488	72.1875677		389.1559876	
203.9980984					
CHAF1B CHAF1B	4134.420731	3650.754186		2213.39437	
2989.35675					

TLR6	TLR6	76.04250777	100.3583258	13.38072164
45.11496408				
KIAA0753	KIAA0753	707.2994901	823.9946752	
851.9059441	712.0318244			
DHRS7B	DHRS7B	1909.39612	1128.590997	1357.028186
1100.412819				
KIAA0754	KIAA0754	21.87524196	95.95664487	
23.41626286	34.3266031			
SLC38A7	SLC38A7	871.8846439	668.1751693	721.4439082
817.9539139				
MOB1A	MOB1A	13183.47916	12128.39171	10635.44358
10505.90207				
C1QL4	C1QL4	0	0.880336191	0
TNNI1	TNNI1	2.083356377	0	0.980760089
NUDC	NUDC	16499.14083	11246.29485	14097.7053
14014.08091				
HPGDS	HPGDS	388.5459644	176.0672383	39.02710477
47.07648426				
BMP10	BMP10	2.083356377	9.683698106	0
MIR874	MIR874	0	0	4.903800443
IKZF5	IKZF5	2055.231066	1642.707333	5.884560532
2425.419699				3609.449661
SCARNA6	SCARNA6	0	0.880336191	0.980760089
HIATL2	HIATL2	480.213645	422.5613719	516.2728431
401.1308763				
POP7	POP7	3757.333227	2878.699346	2833.367806
2757.897369				
PIP4K2A	PIP4K2A	2644.820921	5228.316641	2972.750323
3166.874326				
MIR6730	MIR6730	7.291747321	4.401680957	2.230120273
2.942280266				
ANKK1	ANKK1	0	0	6.690360818
MED19	MED19	1054.178327	804.627279	12.74988115
903.2800417				1074.917971
MEA1	MEA1	5859.439811	4608.559962	5497.246472
5859.06077				
LOC101927572	LOC101927572	128.1264172	106.5206792	
85.85963049	111.8066501			
PARVA	PARVA	6.250069132	0	6.690360818
ZNF224	ZNF224	859.3845057	778.2171932	9.807600887
1145.527784				1537.667928
CEP350	CEP350	3114.617784	3959.752189	4815.944729
3542.50544				
LOC100129931	LOC100129931	3142.743095	4876.182164	
2831.137686	3079.586678			
DDX11-AS1	DDX11-AS1	68.75076045	56.34151625	
63.55842777	50.01876452			
PRKAG2-AS1	PRKAG2-AS1	22.91692015	25.52974955	
100.3554123	98.07600887			
LOC100288181	LOC100288181	2.083356377	0	1.115060136

2.942280266					
LINC00886	LINC00886		56.25062219	113.5633687	
42.37228518	25.49976231				
LINC01125	LINC01125		13.54181645	11.44437049	
20.07108245	8.826840798				
LOC643770	LOC643770		5.208390943	20.2477324	
10.03554123	22.55748204				
TSC22D1-AS1	TSC22D1-AS1		4.166712755	5.282017149	
32.33674395	23.53824213				
SLC7A11-AS1	SLC7A11-AS1		26.04195472	36.09378385	
32.33674395	8.826840798				
LOC100128993	LOC100128993		1.041678189	16.72638764	0
16.67292151					
DNAJC9-AS1	DNAJC9-AS1		42.70880574	39.61512861	
57.98312709	36.28812328				
SASH3	SASH3	26611.75269	18671.05028	9780.192455	
14306.34741					
RPS2P32	RPS2P32	102.0844625	92.4353001	60.21324736	
86.3068878					
ZNF300P1	ZNF300P1	0	1.760672383	0	
3.923040355					
PRSS30P	PRSS30P	23.95859834	18.48706002	30.10662368	
26.48052239					
ULK4P1	ULK4P1	0	2.641008574	0	0
BAIAP2-AS1	BAIAP2-AS1	0	24.64941336	20.07108245	
24.51900222					
LINC00265	LINC00265		388.5459644	435.7664148	
262.039132	385.4387148				
LOC401127	LOC401127		1.041678189	3.521344766	0
0					
SPATA31D5P	SPATA31D5P	0	0.880336191	0	0
LOC91450	LOC91450		4.166712755	2.641008574	0
2.942280266					
LOC285074	LOC285074		1228.138584	1427.024966	
1032.545686	1081.778378				
MIR1249	MIR1249	0	1.760672383	0	0
DBH-AS1	DBH-AS1	0	0	32.33674395	27.46128248
LBX2-AS1	LBX2-AS1		39.58377117	53.70050768	
10.03554123	27.46128248				
HCAR2	HCAR2	14.58349464	0.880336191	0	0
SNORA1	SNORA1	8.33342551	7.923025723	6.690360818	
6.865320621					
PDRG1	PDRG1	2259.399991	1649.750023	2010.453426	
1909.539893					
FMN2	FMN2	0	0.880336191	0	0
NUAK2	NUAK2	135.4181645	351.2541404	2213.39437	
1419.159848					
ALG10	ALG10	492.7137833	460.4158281	287.6855152	
338.3622306					
LINC01185	LINC01185		1.041678189	0	0

3.923040355					
CMAHP CMAHP	9353.228456	8011.939678	4425.673681		
5050.914457					
ZNF503-AS2	ZNF503-AS2	0	2.641008574	0	
0.980760089					
LINC00937	LINC00937	1.041678189	0	0	
0.980760089					
SCAMP2 SCAMP2	7604.250777	7371.935267	6603.386127		
6354.344614					
PDCD7 PDCD7	1217.721803	1349.555381	1248.867353		
1355.410443					
LINC00870	LINC00870	0	0	0	0.980760089
ASNA1 ASNA1	6064.650415	4643.77341	4315.282727		
4072.115888					
SERINC3 SERINC3	12262.63564	11546.48949	13565.82162		
12276.17403					
LOC101929125	LOC101929125	14.58349464	36.09378385		
4.460240545	7.846080709				
ZFP3 ZFP3	59.37565676	82.751602	449.3692349		
246.1707823					
LOC100133985	LOC100133985	15.62517283	34.33311147		
14.49578177	15.69216142				
LOC100133920	LOC100133920	0	0.880336191	0	0
CIR1 CIR1	1195.846561	1090.736541	1893.372111		
1406.409967					
GLI2 GLI2	1.041678189	0	0	0	
MYOM2 MYOM2	702.0910992	591.5859206	216.3216664		
399.1693561					
EID1 EID1	9963.651875	11445.25082	6426.091565		
9207.375712					
HCG11 HCG11	167.7101884	277.3059003	408.1120099		
279.5166253					
FOXD2-AS1	FOXD2-AS1	40.62544936	184.8706002		
24.531323	41.19192372				
MIR5680 MIR5680	0	0.880336191	0	0	
MIR548AV	MIR548AV	0	0.880336191	0	0
NUP160 NUP160	12294.92766	12144.23776	11410.41037		
12427.21108					
TTC30B TTC30B	164.5851538	121.4863944	230.8174482		
129.4603317					
HCAR3 HCAR3	6.250069132	0	0	0	
HS6ST1 HS6ST1	807.3005962	950.7630868	733.7095697		
793.4349117					
SH2B2 SH2B2	40.62544936	114.4437049	24.531323		
65.71092594					
CCL14 CCL14	0	0	0	0.980760089	
MIR374C MIR374C	11.45846008	12.32470668	2.230120273		
11.76912106					
MIR3945 MIR3945	1.041678189	0	0	0	
MIR3944 MIR3944	1.041678189	0	0	2.942280266	

SETD2	SETD2	2282.316911	4382.313561	4116.802023
3452.275512				
PIK3C2B	PIK3C2B	126.0430608	600.3892826	205.1710651
374.6503539				
CHRM1	CHRM1	6.250069132	0	0.980760089
SSC4D	SSC4D	59.37565676	68.66622293	47.94758586
90.22992816				
DENND6A	DENND6A	858.3428275	1367.162105	1108.369775
953.2988062				
SIAH2	SIAH2	11000.12167	13249.05968	6990.311994
10552.97855				
SFPQ	SFPQ	30102.4163	28762.34405	22226.4937
25612.54972				
CHRM3	CHRM3	3.125034566	4.401680957	0
BLVRB	BLVRB	595.8399239	670.8161779	0.980760089
1085.701418				1187.539045
SAYSD1	SAYSD1	868.7596094	670.8161779	1200.919767
1055.297855				
BRIX1	BRIX1	7146.954053	4712.439633	6610.076488
6111.116112				
TBKBP1	TBKBP1	9.375103698	101.238662	49.062646
110.82589				
DOCK4	DOCK4	15.62517283	25.52974955	1.115060136
16.67292151				
LOC100133091	LOC100133091		153.1266937	226.2464012
236.3927489	214.7864594			
MIR767	MIR767	0	0	0.980760089
LOC389765	LOC389765		50.00055306	84.51227438
181.7548022	101.9990492			
GPR160	GPR160	147.9183028	231.5284183	276.5349138
262.8437038				
RNF11	RNF11	1397.932129	1494.810853	2070.666673
1458.390252				
FAM162A	FAM162A	3190.660292	3175.372643	3499.058708
4707.648426				
NBR2	NBR2	226.0441669	227.1267374	250.8885307
163.7869348				
KGFLP1	KGFLP1	36.4587366	3.521344766	79.16926967
16.67292151				
LOC728024	LOC728024		35.41705842	23.76907717
36.7969845	25.49976231			
KGFLP2	KGFLP2	55.208944	10.5640343	123.7716751
38.24964346				
ZBED3-AS1	ZBED3-AS1		0	4.401680957
9.807600887				6.690360818
NME7	NME7	1460.432821	1971.072733	1045.926408
1392.679326				
ABHD6	ABHD6	2547.94485	695.4655912	3297.232823
739.4931069				
MTVR2	MTVR2	5.208390943	6.16235334	20.07108245

4.903800443					
LOC643387	LOC643387		4.166712755	2.641008574	
2.230120273	3.923040355				
ASH1L-AS1	ASH1L-AS1		252.0861217	293.1519517	
304.4114172	234.4016612				
MAST1 MAST1	37.50041479		46.65781815	3.345180409	
38.24964346					
CHCHD2 CHCHD2	30970.13423		28733.29295	22245.44972	
24851.47989					
COPG1 COPG1	19315.83865		15477.19058	15294.16483	
16015.81225					
TAS2R13 TAS2R13	0 3.521344766 0		0	0	
LZTS2 LZTS2	478.1302886		476.2618796	741.5149906	
990.5676896					
HS6ST3 HS6ST3	0 0		12.2656615	0	
ORA0V1 ORAOV1	259.377869		326.604727	449.3692349	
364.842753					
ESX1 ESX1	1.041678189		0 0	0	
NDNL2 NDNL2	2173.98238		1941.141302	3404.278596	
2544.09167					
MUCL1 MUCL1	2.083356377		0 39.02710477	35.30736319	
HSPA5 HSPA5	79843.59149		38703.98066	59061.39024	
47553.13366					
CAPN7 CAPN7	2448.985422		1968.431724	2827.792506	
2381.285495					
UGGT1 UGGT1	3851.084264		5981.884421	4075.544798	
3650.38905					
FBXL12 FBXL12	391.670999		577.5005416	633.3541574	
504.1106856					
RWDD4 RWDD4	1772.936277		1610.134894	1578.925153	
1482.909254					
SLC10A4 SLC10A4	2.083356377		5.282017149	0 0	
TMEM154 TMEM154	1160.429502		1680.561789	1074.917971	
1092.566739					
FBX08 FBX08	1402.098842		1140.035368	1286.779397	
1342.660561					
FBX07 FBX07	11768.88018		9571.015073	11544.21759	
11207.14553					
MY015A MY015A	4.166712755		14.08537906	12.2656615	
21.57672195					
WHAMMP3 WHAMMP3	1.041678189		2.641008574	129.3469758	
88.26840798					
LOC148696	LOC148696		1.041678189	5.282017149	0
0					
TINCR TINCR	6.250069132		7.923025723	31.22168382	
5.884560532					
TTC28-AS1	TTC28-AS1		326.0452731	525.5607063	
360.164424	367.7850333				
LINC00116	LINC00116		915.6351279	962.2074572	
1034.775806	976.8370483				

LOC284837	LOC284837	2.083356377	12.32470668	0
16.67292151				
SARNP	SARNP	7190.704537	5840.150294	5211.791077
5755.1002				
FAM222A-AS1	FAM222A-AS1	0	0.880336191	4.460240545
0.980760089				
FLVCR1-AS1	FLVCR1-AS1	215.6273851	241.2121165	
178.4096218	188.305937			
CTAGE8	CTAGE8	0	0.880336191	1.115060136
0				0
SMG1P3	SMG1P3	346.8788368	470.0995262	637.8143979
598.2636541				
ACTR1B	ACTR1B	642.7154424	1471.041776	801.728238
1096.489779				
HDAC6	HDAC6	2691.69644	3406.901061	1985.922103
2983.47219				
MY05A	MY05A	3969.835577	4455.381465	2615.93108
3366.949384				
IDUA	IDUA	157.2934065	175.1869021	207.4011853
304.0356275				
ULK1	ULK1	150.0016592	426.0827167	263.1541922
160.8446545				
UBA2	UBA2	7880.295498	10564.0343	7459.752312
7751.927741				
EXD3	EXD3	72.91747321	106.5206792	117.0813143
181.4406164				
MIR18B	MIR18B	1.041678189	0	0
0				0
MIR4258	MIR4258	15.62517283	7.042689532	21.18614259
11.76912106				
MAN1B1-AS1	MAN1B1-AS1	78.12586415	97.71731725	
72.47890886	99.05676896			
KTN1-AS1	KTN1-AS1	30.20866747	73.06790389	
34.56686422	80.42232727			
LOC100272216	LOC100272216	21.87524196	15.84605145	
12.2656615	26.48052239			
ARRDC3-AS1	ARRDC3-AS1	33.33370204	26.41008574	
43.48734531	26.48052239			
HSD52	HSD52	2.083356377	0	4.903800443
0				0
IGFBP7-AS1	IGFBP7-AS1	5.208390943	11.44437049	
2.230120273	7.846080709			
LOC100131635	LOC100131635	2.083356377	0	0
2.942280266				
SIGLEC16	SIGLEC16	0	0.880336191	4.460240545
0				
GDI1	GDI1	3799.000354	3886.684285	4252.83936
4257.479545				
FAM83H	FAM83H	10.41678189	36.97412004	12.2656615
23.53824213				
RTN4IP1	RTN4IP1	1291.680954	1074.010154	663.4607811
865.0303982				
RCN3	RCN3	37.50041479	87.15328295	101.4704724

198.1135379					
CBX8 CBX8	103.1261407		116.2043773	69.13372845	
143.1909729					
DDX23 DDX23	8627.178759		8495.244247	8027.317921	
8267.807547					
ABCC1 ABCC1	2437.526962		4414.886	2202.243769	
2567.629912					
LOC653513	LOC653513		4.166712755	4.401680957	
8.92048109	9.807600887				
STK16 STK16	2280.233555		2882.220691	1566.659491	
2196.902599					
LOC100128361	LOC100128361		251.0444435	250.0154784	
161.6837198	231.4593809				
LOC728752	LOC728752		45.8338403	66.90555055	
70.24878858	66.69168603				
USP27X USP27X	14.58349464		24.64941336	54.63794668	
26.48052239					
EPB41L3 EPB41L3	65.62572589		5.282017149	138.2674569	0
OAF OAF	170.8352229		196.3149707	181.7548022	
129.4603317					
STKLD1 STKLD1	102.0844625		84.51227438	73.59396899	
101.0182891					
CDRT15P1	CDRT15P1		8.33342551	22.00840479	0
	11.76912106				
GOLGA8M GOLGA8M	2.083356377		0 0	1.961520177	
QSOX2 QSOX2	109.3762098		234.1694269	84.74457036	
201.0558182					
TSG1 TSG1	0 0		0 1.961520177		
MAPKAPK5-AS1	MAPKAPK5-AS1		1876.062418	1877.757096	
2200.013649	1901.693812				
FLJ13224	FLJ13224		89.58432423	85.39261057	
71.36384872	82.38384745				
BBS1 BBS1	533.3392326		576.6202054	836.2951022	
835.6075955					
EVPL EVPL	0 0		0 14.71140133		
FRY FRY	83.3342551		214.8020307	128.2319157	
88.26840798					
PPAP2B PPAP2B	0 0		7.805420954	0	
NDST2 NDST2	3293.786433		3792.488313	4193.741172	
4892.031322					
PGS1 PGS1	3219.827281		3027.476162	2200.013649	
3447.371712					
C21orf91-OT1	C21orf91-OT1		152.0850156	223.6053926	
248.6584104	148.0947734				
LOC100505666	LOC100505666		60.41733494	44.01680957	
42.37228518	48.05724434				
FLJ40194	FLJ40194		0 0	0 2.942280266	
USP2-AS1	USP2-AS1		7.291747321	3.521344766	
8.92048109	20.59596186				
FLJ30403	FLJ30403		10.41678189	11.44437049	

22.30120273	33.34584301				
LOC100507391	LOC100507391	0	1.760672383	0	0
LGALS17A	LGALS17A	107.2928534		73.94824008	
727.0192088	197.1327778				
SPANXA2-OT1	SPANXA2-OT1	1.041678189		2.641008574	0
0					
LOC100507140	LOC100507140	3.125034566		6.16235334	0
0.980760089					
ZBED5-AS1	ZBED5-AS1	423.9630228		352.1344766	
460.5198363	427.6113987				
LINC00299	LINC00299	10.41678189		6.16235334	0
9.807600887					
LOC400655	LOC400655	0	0	0	0.980760089
LOC100499194	LOC100499194	1.041678189		3.521344766	0
2.942280266					
LINC01191	LINC01191	8.33342551		0.880336191	
6.690360818	5.884560532				
LINC01160	LINC01160	154.1683719		131.1700925	
95.89517172	125.5372913				
LINC00959	LINC00959	166.6685102		132.0504287	
364.6246646	279.5166253				
CKMT2-AS1	CKMT2-AS1	187.502074		235.0497631	
286.570455	229.4978607				
STXBP5-AS1	STXBP5-AS1	66.66740408		46.65781815	
44.60240545	70.61472638				
LOC100288123	LOC100288123	2.083356377		12.32470668	
2.230120273	0.980760089				
SART3	SART3	6432.362815		5334.83732	6513.066256
6422.017061					
NFE2L3	NFE2L3	5936.523997		5017.035955	2748.623236
3972.078359					
MIR195	MIR195	7.291747321		2.641008574	2.230120273
0.980760089					
LINC00333	LINC00333	1.041678189		11.44437049	0
5.884560532					
LOC100128682	LOC100128682	0	0	0	0.980760089
NGRN	NGRN	3554.20598		2341.694269	5392.430819
4004.443442					
TBC1D29	TBC1D29	0	1.760672383	0	0
LOC100507577	LOC100507577	827.0924818		865.3704762	
1079.378212	1000.37529				
SMG1P7	SMG1P7	37.50041479		60.74319721	34.56686422
34.3266031					
MFI2-AS1	MFI2-AS1	11.45846008		21.12806859	
5.575300681	8.826840798				
IPW	IPW	70.83411683		69.54655912	95.89517172
73.55700665					
PEG3-AS1	PEG3-AS1	0	0.880336191	0	0
RNU4ATAC	RNU4ATAC	34.37538023		42.25613719	
33.45180409	20.59596186				

LOC284454	LOC284454	92.70935879	112.6830325
73.59396899	190.2674572		
LINC00582	LINC00582	0 0	0 1.961520177
ENPP6 ENPP6	37.50041479	22.88874098	25.64638313
30.40356275			
SLC25A28	SLC25A28	979.1774974	1024.711327
1280.089036	1039.605694		
ZNF750 ZNF750	6.250069132	10.5640343	0 13.73064124
FAM118B FAM118B	1995.85541	1726.339271	1897.832352
1653.561509			
OAS3 OAS3	11370.95911	10951.38222	19400.93131
6974.184991			
PI4KAP1 PI4KAP1	170.8352229	81.8712658	259.8090118
136.3256523			
DPY19L2P2	DPY19L2P2	116.6679571	183.1099278
107.0457731	178.4983361		
MAP9 MAP9	192.7104649	220.9643841	384.695747
274.6128248			
LOC728392	LOC728392	50.00055306	164.6228678
237.507809	179.4790962		
NBPF12 NBPF12	212.5023505	222.7250564	468.3252572
375.631114			
MIR548J MIR548J	0 0.880336191	2.230120273	0
LOC728989	LOC728989	3.125034566	23.76907717
1.115060136	7.846080709		
ICMT ICMT	7171.954329	6665.905642	5066.833259
5513.833218			
TMEM144 TMEM144	0 19.36739621	3.345180409	0
ABHD1 ABHD1	427.0880574	252.6564869	335.633101
320.708549			
DACT3 DACT3	62.50069132	9.683698106	146.0728779
52.96104479			
MAB21L2 MAB21L2	1.041678189	9.683698106	0 0
IFITM2 IFITM2	5172.973885	14297.54009	9200.361184
20691.09559			
ITGA5 ITGA5	684.38257	773.8155123	1564.429371
1596.677424			
UBR7 UBR7	9553.230669	9067.462772	6687.015637
6697.610646			
USE1 USE1	562.5062219	824.8750114	706.9481264
834.6268355			
SNTA1 SNTA1	317.7118476	325.7243908	423.7228518
557.0717304			
TLR3 TLR3	12.50013826	20.2477324	180.6397421
52.96104479			
FCER1A FCER1A	0 0	0 3.923040355	
TRIP6 TRIP6	1082.303638	1110.103937	774.9667947
1073.932297			
TRHR TRHR	0 0.880336191	0	0
GNPDA1 GNPDA1	1954.188282	1687.604479	4415.63814

4431.074081				
KCNH4	KCNH4	58.33397857	26.41008574	63.55842777
71.59548647				
PPM1A	PPM1A	1292.722632	1618.05792	1519.826966
1075.893817				
RDH10	RDH10	11868.88128	9236.487321	3511.324369
3930.886435				
TEDDM1	TEDDM1	0	2.641008574	0
ZDHHC24	ZDHHC24	1002.094418	1118.907299	0.980760089
965.0679272				547.4945269
MRPS9	MRPS9	3475.038437	2573.222688	3057.494894
2956.010907				
NUP85	NUP85	5300.058624	4702.755935	3829.116508
4437.939401				
TEKT5	TEKT5	0	0	1.115060136
TOR4A	TOR4A	417.7129537	937.5580439	0
274.6128248				138.2674569
WDR18	WDR18	6507.363645	4462.424154	4484.771868
4936.165526				
HSPA7	HSPA7	0	0.880336191	1.115060136
DLGAP1-AS1	DLGAP1-AS1	210.4189941	307.2373308	0
285.4553949				540.3988089
JAZF1-AS1	JAZF1-AS1	1.041678189	7.042689532	
21.18614259				18.63444168
LINC00858	LINC00858	0	2.641008574	1.115060136
1.961520177				
PMS2P5	PMS2P5	546.8810491	286.9895984	350.1288828
346.2083113				
ACTL10	ACTL10	257.2945126	201.5969878	363.5096044
314.8239885				
ZCCHC8	ZCCHC8	1889.604234	1537.06699	1787.441398
1819.309964				
CAMK1D	CAMK1D	60.41733494	67.78588674	231.9325083
156.9216142				
IFI30	IFI30	5958.399239	3972.957232	3296.117763
2374.420175				
PYG02	PYG02	2683.363014	3053.005912	2797.685882
2922.665064				
GPT	GPT	0	0	1.115060136
OTUD6B	OTUD6B	1682.310275	1426.14463	0
1723.195476				1517.596845
ADAP2	ADAP2	18.7502074	8.803361914	28.99156354
8.826840798				
UBE2Z	UBE2Z	7802.169633	7264.534252	10112.48038
9516.31514				
TMSB15B	TMSB15B	123.9597045	199.8363155	133.8072164
163.7869348				
ZNF367	ZNF367	2204.191047	2361.942002	2206.70401
2268.498085				
LOC440461	LOC440461	0	1.760672383	21.18614259

	29.42280266			
IGF2-AS	IGF2-AS	0	0	1.115060136
UGCG	UGCG	691.6743173		12.74988115
914.0684026				685.7818931
DBF4	DBF4	5018.805513		1078.263152
3262.008055				4047.785808
HIST2H2BC	HIST2H2BC			3082.026217
3.345180409	1.961520177			4.166712755
POM121L9P	POM121L9P			4.401680957
1.961520177				5.208390943
BIN3-IT1	BIN3-IT1			0
12.2656615	7.846080709			0
SNORD119	SNORD119			6.250069132
11.15060136	30.40356275			18.48706002
LINC01144	LINC01144			7.846080709
23.41626286	20.59596186			15.62517283
MST02P	MST02P			9.683698106
3475.813754	3327.120135			15.62517283
FAM86C2P	FAM86C2P			30.40356275
199.5957644	146.1332532			5.208390943
PSMD5-AS1	PSMD5-AS1			5.208390943
1444.002876	366.8042732			20.59596186
RBAKDN	RBAKDN			2087.27711
WDFY3-AS2	WDFY3-AS2			2087.27711
0.980760089	0	0.880336191	2.230120273	3115.478021
LINC00643	LINC00643			108.3345316
CWC25	CWC25			79.23025723
1653.561509	2158.357207			710.4245247
ANKLE2	ANKLE2			461.2961643
7986.329402	8311.550268			0
LOC653653	LOC653653			0
6.690360818	0			0
LINC01366	LINC01366			5.884560532
35.68192436	17.6536816			5.884560532
MDS2	MDS2			1489.528836
82.38384745	15.62517283			2188.863047
VAC14-AS1	VAC14-AS1			7019.800791
439.3336937	399.1693561			7449.71677
LOC100130950	LOC100130950			3.125034566
44.60240545	20.59596186			1.760672383
DECR2	DECR2			3.125034566
486.457004	220.835776			16.66685102
PDS5B	PDS5B			8.803361914
5354.950084	6460.488126			17.6536816
TOP3A	TOP3A			15.62517283
3646.46601	3394.829217			14.08537906
NICN1	NICN1			99.24035213
668.8783805	800.0088489			99.24035213
SLC25A33	SLC25A33			418.7546319
2056.170891	1937.981935			275.5452279
				275.5452279
				25.00027653
				22.88874098
				20.59596186
				291.3912794
				217.4367266
				7040.048523
				5966.686789
				3931.581431
				2815.526844
				722.7560132
				470.5553775
				2436.485283
				1580.203464

C0Q5	C0Q5	4154.212617	2795.067408	3184.611749	
2671.590482					
WDR24	WDR24	1759.394461	1768.595409	1704.926948	
1788.906402					
PTPLAD2	PTPLAD2	1184.388101	1640.066325	751.5505318	
1011.163651					
CASC10	CASC10	1.041678189	0.880336191	0	0
ASPHD1	ASPHD1	10.41678189	14.96571525	6.690360818	
21.57672195					
FAM230C	FAM230C	0	0	0.980760089	
COL6A4P1	COL6A4P1		3.125034566	0	0
0.980760089					
AASDHPPT	AASDHPPT		5047.972502	4627.927358	
4740.120639	4706.667666				
LOC643802	LOC643802		0	0	1.961520177
TAS1R3	TAS1R3	2.083356377	7.042689532	10.03554123	
6.865320621					
LOC93622	LOC93622		1093.762098	829.2766923	
1130.670978	1075.893817				
TRAF7	TRAF7	920.8435188	1783.561124	975.6776192	
928.779804					
WRN	WRN	1564.600639	1716.655573	1202.034827	
1883.05937					
ZNF19	ZNF19	73.9591514	71.30723151	144.9578177	
98.07600887					
ZNF17	ZNF17	394.7960335	315.1603565	830.7198015	
512.9375264					
BEST4	BEST4	20.83356377	10.5640343	40.14216491	
22.55748204					
MCM3AP	MCM3AP	5062.555997	8352.629784	6156.247012	
5774.715402					
TMEM63A	TMEM63A	1779.186346	2139.216945	1423.931794	
2395.996897					
GTPBP4	GTPBP4	12170.96796	7907.179671	10152.62254	
10838.37974					
NFYC-AS1	NFYC-AS1		681.2575354	610.0729807	
575.3710303	601.2059344				
NDUFB2-AS1	NDUFB2-AS1		1954.188282	1729.860616	
1564.429371	1414.256048				
LINC00926	LINC00926		7.291747321	11.44437049	0
16.67292151					
PTGES2-AS1	PTGES2-AS1		2.083356377	1.760672383	
3.345180409	14.71140133				
ANP32AP1	ANP32AP1		1.041678189	0.880336191	0
0					
HTR7P1	HTR7P1	6.250069132	10.5640343	28.99156354	
20.59596186					
PLOD3	PLOD3	1835.436968	1803.808856	1474.1095	
1521.158898					
PROCA1	PROCA1	19.79188559	37.85445623	36.7969845	

41.19192372						
SLC35G3	SLC35G3	5.208390943	9.683698106	2.230120273		0
ZNF597	ZNF597	254.169478	207.7593412	333.4029807		
305.9971477						
ARX	ARX	0	0	0	0.980760089	
EIF3I	EIF3I	26000.28759	13822.15854	15100.14437		
15889.2942						
NABP2	NABP2	488.5470705	1343.393028	411.4571903		
392.3040355						
C7orf26	C7orf26	1104.17888	1705.211203	1274.513736		
1286.757236						
PDAP1	PDAP1	5265.683244	6822.605484	3734.336396		
4857.704719						
SDCCAG8	SDCCAG8	1489.59981	526.4410425	1237.716751		
799.3194723						
GPR75	GPR75	6.250069132	6.16235334	6.690360818		
0.980760089						
TEX15	TEX15	12.50013826	2.641008574	4.460240545		
3.923040355						
WDR3	WDR3	5912.565399	4118.212704	6162.937373		
6248.422525						
PEX14	PEX14	237.502627	555.4921368	266.4993726		
222.6325401						
NDUFA10	NDUFA10	7641.751192	6360.428983	6162.937373		
6618.169078						
CPLX1	CPLX1	0	14.96571525	4.460240545	3.923040355	
JOSD1	JOSD1	911.4684151	1215.74428	929.9601536		
848.3574767						
PRKCA	PRKCA	386.462608	561.6544901	444.9089944		
393.2847956						
DMRTA1	DMRTA1	6.250069132	0	26.76144327	0	
C7	C7	0	0	3.345180409	0	
NUCB1	NUCB1	5186.515702	7499.584015	5144.887469		
5089.1641						
GTF3C3	GTF3C3	5045.889146	3965.034206	4184.820691		
4261.402585						
HCFC2	HCFC2	2068.772883	1401.495217	1601.226356		
1474.082413						
CCNB2	CCNB2	12940.76814	12985.83916	4539.409815		
5980.675021						
ZNF443	ZNF443	445.8382648	265.8615298	557.5300681		
399.1693561						
BHLHE40	BHLHE40	17996.03239	15947.29011	13904.7999		
21817.98893						
LGR5	LGR5	0	3.521344766	0	0	
IER2	IER2	11931.38197	10107.13981	8102.02695		
10528.45955						
VPS26A	VPS26A	7333.414448	4609.440298	6054.77654		
4699.802345						
MIR8052	MIR8052	3.125034566	4.401680957	0	0	

SNORD4A	SNORD4A	29.16698928	30.8117667	41.25722504	
23.53824213					
SNORD4B	SNORD4B	0	0.880336191	3.345180409	0.980760089
SNORD73A	SNORD73A		22.91692015	13.20504287	
25.64638313	28.44204257				
IL2RB	IL2RB	30753.46516	36202.94554	22391.5226	
37976.01139					
PSMB7	PSMB7	11709.50452	8763.746786	8317.233556	
8227.596384					
HERC2	HERC2	998.969383	1503.614215	884.2426881	
958.2026066					
SNHG10	SNHG10	391.670999	424.3220443	447.1391146	
481.5532035					
LOC100303749	LOC100303749		1.041678189	2.641008574	0
0					
NUFIP1	NUFIP1	944.8021171	715.7133236	982.36798	
889.5494004					
SMYD5	SMYD5	1859.395567	1392.691855	2704.02083	
2522.514948					
FAM86HP	FAM86HP	23.95859834	50.17916291	8.92048109	
65.71092594					
NCRUPAR	NCRUPAR	0	0.880336191	0	0
SMAD5-AS1	SMAD5-AS1		11.45846008	0.880336191	
12.2656615	0				
LINC00240	LINC00240		1.041678189	1.760672383	
4.460240545	0.980760089				
LOC554206	LOC554206		33.33370204	68.66622293	
121.5415549	70.61472638				
CCL15-CCL14	CCL15-CCL14		1.041678189	0	0
0.980760089					
CIRBP-AS1	CIRBP-AS1		21.87524196	41.375801	
105.9307129	64.73016585				
ANKRD20A11P	ANKRD20A11P		0	116.2043773	12.2656615
65.71092594					
SEPT7P9	SEPT7P9	7.291747321	15.84605145	3.345180409	
6.865320621					
LMCD1-AS1	LMCD1-AS1		3.125034566	0	2.230120273
0.980760089					
LINC00222	LINC00222		0	0	1.961520177
LINC00883	LINC00883		46.87551849	62.50386959	
46.83252572	85.32612771				
SCGB1B2P	SCGB1B2P		0	5.282017149	5.575300681
5.884560532					
LINC01330	LINC01330		1.041678189	0	0
ZNF876P	ZNF876P	25.00027653	32.57243908	63.55842777	
41.19192372					
RNF217	RNF217	1.041678189	8.803361914	0	17.6536816
LOC643623	LOC643623		0	0	8.92048109
LOC100506368	LOC100506368		0	0.880336191	0
LOC101927027	LOC101927027		820.8424127	1134.753351	

546.3794668	514.8990466		
LINC00663	LINC00663	9.375103698	14.08537906
40.14216491	26.48052239		
MIR191 MIR191	10.41678189	24.64941336	14.49578177
10.78836098			
MIR135A1	MIR135A1	2.083356377	1.760672383
4.460240545	4.903800443		
MIR922 MIR922	303.1283529	283.4682536	450.4842951
272.6513047			
WDR86-AS1	WDR86-AS1	3.125034566	26.41008574
26.76144327	17.6536816		
ODF3L1 ODF3L1	1.041678189	0 0	1.961520177
SMURF2 SMURF2	478.1302886	800.225598	1043.696288
723.8009454			
PPP1R2P9	PPP1R2P9	38.54209298	0 10.03554123
0			
FAM86FP FAM86FP	20.83356377	23.76907717	72.47890886
85.32612771			
MTMR9LP MTMR9LP	16.66685102	25.52974955	36.7969845
46.09572417			
ZMYND19 ZMYND19	2160.440563	2162.105686	1893.372111
2216.5178			
LINC01018	LINC01018	0 5.282017149 0	
0.980760089			
WHAMMP2 WHAMMP2	8.33342551	6.16235334	302.1812969
120.6334909			
PRKCDBP PRKCDBP	1215.638446	1269.444788	1604.571536
2283.209486			
LOC728739	LOC728739	7.291747321	6.16235334
1.115060136	21.57672195		
LOC100272217	LOC100272217	51.04223125	19.36739621
53.52288654	22.55748204		
NIFK-AS1	NIFK-AS1	2068.772883	1426.14463
2213.39437	2057.634666		
TPM3P9 TPM3P9	609.3817404	769.4138313	551.9547675
758.1275485			
AQP7P3 AQP7P3	0 0	0 0.980760089	
CSNK1G2 CSNK1G2	3735.457985	5276.735131	3270.47138
4104.480971			
C19orf43	C19orf43	7330.289414	7253.970217
5643.31935	6058.155068		
DHX38 DHX38	6340.695135	6484.556386	5625.478387
5695.273835			
ZNF287 ZNF287	458.338403	348.6131318	932.1902739
682.6090217			
PELI1 PELI1	6735.491168	7120.159116	6301.20483
6553.438912			
UFC1 UFC1	5335.475683	4750.294089	4537.179694
3856.348669			
ACRBP ACRBP	12.50013826	7.042689532	25.64638313

20.59596186					
CNFN CNFN	9.375103698	3.521344766	6.690360818		
2.942280266					
KSR1 KSR1	147.9183028	523.8000339	209.6313056		
275.5935849					
AP1G2 AP1G2	8368.842568	7548.002505	6324.621093		
8437.479043					
ACAT2 ACAT2	13090.7698	10859.82726	9276.185274		
11703.41014					
GAS5-AS1	GAS5-AS1	268.7529727	191.9132897		
655.6553601	343.266031				
MIRLET7F2	MIRLET7F2	0	0	0	2.942280266
MIRLET7F1	MIRLET7F1	0	0.880336191	0	
0.980760089					
LYPLAL1-AS1	LYPLAL1-AS1	6.250069132	6.16235334		
16.72590204	15.69216142				
LOC644838	LOC644838	0	0	0	0.980760089
MIR499B MIR499B	0	0.880336191	0	0	
MIR4755 MIR4755	13.54181645	7.042689532	8.92048109		
14.71140133					
LPAL2 LPAL2	3.125034566	14.08537906	63.55842777		
8.826840798					
NBEAP1 NBEAP1	1.041678189	1.760672383	0	2.942280266	
LOC100507387	LOC100507387	3.125034566	1.760672383		
1.115060136	3.923040355				
LOC339975	LOC339975	1.041678189	61.6235334	0	
77.480047					
MIR4321 MIR4321	0	3.521344766	0	0	
MIR4322 MIR4322	0	0	2.942280266		
GSTTP2 GSTTP2	0	1.760672383	0	0.980760089	
GOLGA8J GOLGA8J	0	0.880336191	0	0	
LOC729506	LOC729506	13.54181645	8.803361914		
20.07108245	10.78836098				
SMO SMO	0	3.521344766	0	0	
FMNL1 FMNL1	3393.787539	6759.221278	2290.33352		
2940.318746					
CDH22 CDH22	2.083356377	0	0	0	
SDF2L1 SDF2L1	5071.931101	3508.139723	2854.553949		
2929.530385					
ZFAND3 ZFAND3	145.8349464	428.7237252	172.8343211		
176.536816					
CALB1 CALB1	0	1.760672383	2.230120273	0	
RNF167 RNF167	2448.985422	2587.308067	1079.378212		
1285.776476					
GALNT3 GALNT3	791.6754234	929.6350182	343.438522		
398.188596					
FOXA1 FOXA1	40.62544936	7.042689532	0	0	
SMPDL3A SMPDL3A	47.91719668	49.29882672	16.72590204		
38.24964346					
TAF10 TAF10	3566.706118	4065.392532	3325.109326		

3783.772422					
OSTM1	OSTM1	3351.078733	2308.241494	4499.26765	
2576.456753					
FADS1	FADS1	82.29257691	420.8006995	219.6668468	
283.4396656					
SHD	SHD	3.125034566	1.760672383	4.460240545	
4.903800443					
KATNBL1	KATNBL1	2630.237426	1920.013234	1973.656441	
1915.424453					
ADAMTS7P1	ADAMTS7P1		0	2.230120273	0
SSR3	SSR3	8402.17627	11051.74055	10654.3996	
7920.618476					
CXXC5	CXXC5	77.08418596	97.71731725	72.47890886	
115.7296905					
HBEGF	HBEGF	638.5487297	340.6901061	284.3403347	
343.266031					
CRYM	CRYM	0	0	3.923040355	
CRYBB1	CRYBB1	12.50013826	13.20504287	1.115060136	
2.942280266					
STOX2	STOX2	0	2.230120273	0	
TRIM63	TRIM63	2.083356377	0	3.345180409	0
IFNG-AS1	IFNG-AS1		0	7.042689532	16.72590204
14.71140133					
GS1-279B7.1	GS1-279B7.1		2.083356377	0	2.230120273
0					
HIST2H2AC	HIST2H2AC		183.3353612	279.0665727	
128.2319157	120.6334909				
HIST1H2AM	HIST1H2AM		233.3359143	359.1771661	
121.5415549	127.4988115				
TFDP1	TFDP1	16326.22225	14387.33438	8920.48109	
11890.73532					
LINC00865	LINC00865		7.291747321	21.12806859	
28.99156354	56.88408514				
ANKRD20A9P	ANKRD20A9P		1.041678189	19.36739621	
3.345180409	27.46128248				
MIR2116	MIR2116	2.083356377	1.760672383	0	0
SND1-IT1	SND1-IT1		64.5840477	67.78588674	
113.7361339	88.26840798				
DNPH1	DNPH1	4018.794452	3780.163606	3226.984034	
3940.694036					
CRTC2	CRTC2	2931.282423	2816.195476	2988.361165	
3073.702118					
ACOT2	ACOT2	1447.932682	985.9765344	1110.599896	
1284.795716					
PLGLB2	PLGLB2	53.12558762	33.45277527	53.52288654	
63.74940576					
SNRNP200	SNRNP200		16667.8927	25881.00369	
19015.1205	21881.73834				
PRKAA2	PRKAA2	0	3.345180409	0	
VRK1	VRK1	8124.048194	7223.158451	5245.242881	

6106.212312					
TTLL4	TTLL4	2332.317464	2077.593412	1882.22151	
1917.385973					
CHAF1A	CHAF1A	5336.517361	6501.282774	2463.167841	
3616.062447					
EGLN1	EGLN1	2909.407181	3602.335695	3345.180409	
3909.309713					
DNAH12	DNAH12	1.041678189	3.521344766	20.07108245	
9.807600887					
IGSF22	IGSF22	5.208390943	9.683698106	62.44336763	
44.13420399					
LINC01105	LINC01105		0	0	1.961520177
ZNF788	ZNF788	425.004701	413.75801	431.5282727	
381.5156745					
LOC283922	LOC283922		243.7526962	329.2457356	
289.9156354	345.2275512				
LINC00282	LINC00282		7.291747321	0	79.16926967
24.51900222					
LINC01347	LINC01347		67.70908227	62.50386959	
99.24035213	80.42232727				
MIR875	MIR875	0	1.760672383	0	0
LOC101928896	LOC101928896		5.208390943	17.60672383	
23.41626286	4.903800443				
LOC101928865	LOC101928865		13.54181645	11.44437049	0
0					
KRT18P55	KRT18P55		2.083356377	0.880336191	
7.805420954	0				
LOC63930	LOC63930		0	0	0.980760089
LINC01446	LINC01446		0	3.521344766	0
LINC00640	LINC00640		3.125034566	0	0
NBPF11	NBPF11	45.8338403	44.89714576	63.55842777	
50.01876452					
NAPSB	NAPSB	130.2097736	147.8964802	153.8782988	
285.4011858					
FAM13A-AS1	FAM13A-AS1		59.37565676	17.60672383	
547.4945269	49.03800443				
PNMA1	PNMA1	5253.183106	3353.200553	4161.404429	
4037.789285					
CGRRF1	CGRRF1	848.9677238	662.012816	1134.016159	
863.068878					
ANKRD35	ANKRD35	162.5017974	198.0756431	83.62951022	
191.2482173					
TUSC3	TUSC3	2.083356377	16.72638764	0	23.53824213
SCARNA10	SCARNA10		5.208390943	3.521344766	
16.72590204	10.78836098				
MED15P9	MED15P9	0	0	0	10.78836098
NPY6R	NPY6R	0	3.521344766	0	0.980760089
SNHG6	SNHG6	898.9682768	1408.537906	3562.617135	
2096.86507					
CCT8	CCT8	34797.25989	24682.86614	26346.6409	

28079.16134					
APBB1IP APBB1IP	2060.439457	3138.398522	3007.317188		
2963.856988					
PUS7 PUS7	2298.983762	1930.577268	2207.81907		
2575.475993					
RHOF RHOF	6695.907397	6551.461937	6297.85965		
8090.289971					
CCDC184 CCDC184	4.166712755	8.803361914	25.64638313		
9.807600887					
SUM04 SUM04	54.16726581	58.10218863	16.72590204		
29.42280266					
GOLGA6L10	GOLGA6L10	0	0.880336191	0	0
QRFPR QRFPR	0	0.880336191	0	0.980760089	
MRPL16 MRPL16	7888.628923	5867.440716	4752.386301		
5720.773597					
SRGAP1 SRGAP1	2.083356377	7.042689532	5.575300681		
13.73064124					
ZNF629 ZNF629	7.291747321	8.803361914	525.1933242		
259.9014235					
CPLX3 CPLX3	3.125034566	0	0	2.942280266	
C3orf14 C3orf14	1348.973254	1121.548308	617.7433155		
626.7056967					
POLR3A POLR3A	3340.661951	3502.857706	3466.721964		
3648.42753					
UPK1A-AS1	UPK1A-AS1	10.41678189	1.760672383		
8.92048109	8.826840798				
PPP2R3C PPP2R3C	4659.426538	4288.997925	3679.69845		
3861.252469					
ZSCAN23 ZSCAN23	3.125034566	18.48706002	4.460240545		
27.46128248					
WDR82 WDR82	5204.224231	9542.844315	10743.60441		
7980.444841					
ULBP2 ULBP2	54.16726581	28.17075813	113.7361339		
21.57672195					
WNT10A WNT10A	22.91692015	9.683698106	298.8361165		
455.0726811					
LOC102724094	LOC102724094	72.91747321	92.4353001		
12.2656615	18.63444168				
LINC01393	LINC01393	17.70852921	19.36739621		
10.03554123	14.71140133				
LINC01476	LINC01476	0	0	0	1.961520177
SLC35E4 SLC35E4	1022.927981	1030.87368	491.7415201		
676.7244612					
C16orf87	C16orf87	2417.735076	2703.512444		
1079.378212	1507.428256				
CFAP44-AS1	CFAP44-AS1	5.208390943	7.923025723		
8.92048109	2.942280266				
SLC2A1-AS1	SLC2A1-AS1	19.79188559	36.97412004		
17.84096218	12.74988115				
MIR4671 MIR4671	2.083356377	0	0	0	

CCDC11	CCDC11	21.87524196	29.05109432	49.062646	
27.46128248					
CLRN1-AS1	CLRN1-AS1	0	0	0	0.980760089
SMU1	SMU1	7368.831507	6523.291179	7346.016178	
7453.776674					
ULBP3	ULBP3	7.291747321	12.32470668	15.61084191	0
PAGR1	PAGR1	4929.221189	3822.419743	4164.749609	
3896.559832					
ZNF428	ZNF428	327.0869513	495.6292758	427.0680322	
419.765318					
KIF6	KIF6	3.125034566	20.2477324	0	25.49976231
HIST1H2BK	HIST1H2BK		1345.84822	1096.018558	
1293.469758	684.5705419				
C19orf18	C19orf18		4.166712755	7.923025723	
15.61084191	3.923040355				
MIR1184-2	MIR1184-2		405.2128154	410.2366652	
473.9005579	553.14869				
USP12	USP12	4279.213999	4366.46751	4643.110407	
4110.365532					
LINC00664	LINC00664		11.45846008	14.96571525	
83.62951022	3.923040355				
SLC39A12-AS1	SLC39A12-AS1	0	0	0	0.980760089
GS1-600G8.3	GS1-600G8.3	0	1.760672383	0	0
LOC100506990	LOC100506990		89.58432423	84.51227438	
414.8023707	405.0539166				
ENTPD3-AS1	ENTPD3-AS1		146.8766246	78.34992104	
243.0831097	110.82589				
HLA-DRB4	HLA-DRB4		343.7538023	443.6894405	
82.51445008	161.8254146				
GPR179	GPR179	0	5.282017149	0	0
DAO	DAO	2.083356377	0	0	0
SCAF1	SCAF1	117.7096353	316.0406927	132.6921562	
109.8451299					
IZUM01	IZUM01	0	0	8.92048109	0
ZBED3	ZBED3	15.62517283	23.76907717	130.4620359	
36.28812328					
LOC100288778	LOC100288778		35.41705842	82.751602	
50.17770613	49.03800443				
C2orf66	C2orf66	10.41678189	1.760672383	23.41626286	
6.865320621					
CCDC85C	CCDC85C	192.7104649	313.3996842	364.6246646	
334.4391902					
ACOT6	ACOT6	2.083356377	0.880336191	4.460240545	0
LAMP1	LAMP1	621.8818787	2839.964554	1079.378212	
816.9731539					
ABCA5	ABCA5	194.7938213	333.6474166	412.5722504	
319.7277889					
OR2T8	OR2T8	0	1.760672383	0	1.961520177
CNIH1	CNIH1	4028.169556	3855.872518	3631.750864	
3447.371712					

KIR2DL2	KIR2DL2	0	0	0	3.923040355		
LOC145783	LOC145783			84.37593328	106.5206792		
152.7632387	118.6719707						
BREA2	BREA2	5.208390943		2.641008574	5.575300681		
17.6536816							
LOC100128076	LOC100128076			1.041678189	0	0	0
ZFPM1	ZFPM1	16.66685102		95.95664487	33.45180409		
28.44204257							
GANC	GANC	955.218899		827.51602	883.1276279		
721.8394253							
CHMP6	CHMP6	2567.736735		2153.302324	1456.268538		
1677.099752							
ARMC7	ARMC7	326.0452731		481.5438967	294.375876		
319.7277889							
AREL1	AREL1	3629.206809		5000.309567	3943.967702		
4112.327052							
OMA1	OMA1	1775.019634		1687.604479	1648.058881		
1639.830868							
IL21R-AS1	IL21R-AS1			4339.631334	5653.519021		
4596.277882	8499.266928						
BVES-AS1	BVES-AS1			0	3.521344766	0	0
KCND1	KCND1	30.20866747		48.41849053	12.2656615		
63.74940576							
CD2BP2	CD2BP2	4170.879468		4834.806363	3966.268905		
3850.464108							
LIX1L	LIX1L	1354.181645		2648.051264	1852.114886		
1864.424929							
SPATA2L	SPATA2L	319.7952039		393.5102776	492.8565802		
407.9961969							
ADAM1A	ADAM1A	46.87551849		69.54655912	131.5770961		
50.99952461							
MIR4799	MIR4799	3.125034566		1.760672383	0	0	
MIR4797	MIR4797	0	0.880336191	0	1.961520177		
MIR4796	MIR4796	0	0.880336191	5.575300681	0		
MIR4793	MIR4793	5.208390943		20.2477324	12.2656615		
13.73064124							
MIR4787	MIR4787	18.7502074		9.683698106	6.690360818		
9.807600887							
MIR4786	MIR4786	0	0.880336191	1.115060136	0.980760089		
MIR2467	MIR2467	0	1.760672383	5.575300681	0		
MIR4785	MIR4785	12.50013826		22.88874098	32.33674395		
26.48052239							
MIR4784	MIR4784	18.7502074		40.49546481	53.52288654		
31.38432284							
MIR4783	MIR4783	0	0	1.115060136	0		
MIR4781	MIR4781	0	1.760672383	0	1.961520177		
MIR4775	MIR4775	11.45846008		15.84605145	17.84096218		
3.923040355							
MIR4774	MIR4774	1.041678189		5.282017149	0	0	
TTC7B	TTC7B	272.9196854		305.4766584	262.039132		

291.2857463					
MIR4482	MIR4482	15.62517283	26.41008574	46.83252572	
25.49976231					
LOC100288637	LOC100288637		522.9224507	665.5341607	
318.907199	364.842753				
ZNF552	ZNF552	546.8810491	441.0484319	737.0547501	
550.2064097					
RPS14P3	RPS14P3	18.7502074	29.05109432	27.87650341	
29.42280266					
LOC643711	LOC643711		0	0	4.903800443
MIR3658	MIR3658	1193.763204	853.0457695	856.3661847	
938.5874049					
MIR3656	MIR3656	1350.014933	866.2508124	1224.33603	
1121.989541					
MIR3655	MIR3655	918.7601624	879.4558552	902.0836502	
957.2218465					
MIR3653	MIR3653	2.083356377	7.042689532	2.230120273	
1.961520177					
LOC101926913	LOC101926913		0	0	1.115060136
SPON1	SPON1	27.08363291	13.20504287	173.9493813	0
191.2482173					
CXCR1	CXCR1	113.5429226	25.52974955	26.76144327	
1.961520177					
C9orf139	C9orf139		48.95887487	389.9889328	
46.83252572	156.9216142				
LOC101928105	LOC101928105		26.04195472	19.36739621	
17.84096218	13.73064124				
CRY2	CRY2	1457.307786	1124.189316	2094.082936	
1793.810202					
CRYM-AS1	CRYM-AS1		0	0.880336191	21.18614259
0					
RPL23P8	RPL23P8	3.125034566	1.760672383	0	1.961520177
VPS13A-AS1	VPS13A-AS1		55.208944	70.42689532	
70.24878858	63.74940576				
RPS10P7	RPS10P7	15.62517283	17.60672383	25.64638313	
13.73064124					
PTCD3	PTCD3	9618.856394	7382.499301	9106.696133	
9734.04388					
HGH1	HGH1	163.5434756	148.7768164	169.4891407	
184.3828967					
RPL19P12	RPL19P12		11.45846008	14.96571525	
4.460240545	4.903800443				
LOC652276	LOC652276		159.3767629	228.0070736	
228.5873279	292.2665064				
LOC153684	LOC153684		151.0433374	181.3492554	
451.5993552	170.6522554				
FICD	FICD	602.0899931	400.5529671	664.5758412	
435.4574794					
ZNF429	ZNF429	346.8788368	175.1869021	1464.073959	
628.6672168					

TTC38	TTC38	2041.68925	1022.950654	1234.371571
930.7413241				
FGL2	FGL2	257.2945126	208.6396774	73.59396899
52.96104479				
KLHL28	KLHL28	1360.431714	1216.624617	2835.597927
1895.809251				
WNK4	WNK4	2.083356377	8.803361914	15.61084191
8.826840798				
TNKS2	TNKS2	3613.581637	4732.687365	5759.285604
5265.700916				
RUFY4	RUFY4	19.79188559	7.042689532	45.71746559
39.23040355				
FAM226A	FAM226A	0	1.760672383	2.230120273
				0.980760089
FAM226B	FAM226B	0	1.760672383	2.230120273
				0.980760089
ZNF32	ZNF32	468.7551849	441.0484319	1544.358289
1235.757712				
C11orf42	C11orf42		1.041678189	0
				2.230120273
		1.961520177		
CLVS1	CLVS1	17.70852921	35.21344766	39.02710477
31.38432284				
MIR328	MIR328	0	0.880336191	0
				0.980760089
MIR330	MIR330	0	1.760672383	2.230120273
				4.903800443
UQCRHL	UQCRHL	600.0066367	471.8601986	401.4216491
373.6695938				
DLGAP3	DLGAP3	8.33342551	13.20504287	8.92048109
16.67292151				
FKBP15	FKBP15	3060.450518	3243.158529	2361.697369
2742.205208				
KLF13	KLF13	1041.678189	2117.20854	1125.095677
1168.085266				
ATP6V1D	ATP6V1D	3188.576936	2804.751106	2497.734705
2446.015661				
COL18A1	COL18A1	172.9185793	783.4992104	121.5415549
586.494533				
SEPSECS-AS1	SEPSECS-AS1		83.3342551	87.15328295
102.5855325		58.84560532		
KIF13B	KIF13B	398.9627463	817.8323218	534.1138053
596.3021339				
IL22	IL22	982.3025319	648.8077731	370.1999652
705.1665038				
PDCD2L	PDCD2L	1078.136925	756.2087884	955.6065368
990.5676896				
PLXNA1	PLXNA1	189.5854303	311.6390118	360.164424
369.7465534				
HGSNAT	HGSNAT	585.423142	698.986936	1105.024595
1320.103079				
NRIP2	NRIP2	56.25062219	62.50386959	166.1439603
86.3068878				
KAAG1	KAAG1	1.041678189	0	0
			0	0
IFI27L2	IFI27L2	1506.266661	2137.456273	831.8348617

1256.353674					
MT1E MT1E	2440.651996	2941.203216	1478.569741		
1324.02612					
SIX4 SIX4	10.41678189	33.45277527	1.115060136		
13.73064124					
PHOX2A PHOX2A	6.250069132	12.32470668	2.230120273		
13.73064124					
PPM1J PPM1J	9.375103698	4.401680957	63.55842777		
51.9802847					
ALDOC ALDOC	1317.722909	1502.733879	3001.741887		
4660.571941					
LOC440600	LOC440600	53.12558762	70.42689532		
63.55842777	61.78788559				
SMA5 SMA5	91.66768061	108.2813515	105.9307129		
72.57624656					
LOC400958	LOC400958	6.250069132	2.641008574	0	
0					
LOC646903	LOC646903	0	2.641008574	3.345180409	
0					
LPP-AS2 LPP-AS2	38.54209298	36.09378385	34.56686422		
25.49976231					
MIR367 MIR367	3.125034566	0.880336191	1.115060136		
11.76912106					
MIR302D MIR302D	3.125034566	0.880336191	5.575300681		
6.865320621					
MIR302C MIR302C	4.166712755	0.880336191	2.230120273		
0.980760089					
EEFSEC EEFSEC	1438.557579	1394.452527	1291.239638		
1557.447021					
TRIM35 TRIM35	1469.807924	1577.562455	2076.241974		
1590.792864					
MIR4453 MIR4453	4.166712755	3.521344766	7.805420954		
12.74988115					
MIR301B MIR301B	0 2.641008574	0	0.980760089		
MIR760 MIR760	0 0	1.115060136	2.942280266		
SMG1P2 SMG1P2	463.546794	478.022552	977.9077395		
780.6850306					
SNORA23 SNORA23	9.375103698	4.401680957	11.15060136		
11.76912106					
SMG1P5 SMG1P5	170.8352229	183.990264	342.3234618		
234.4016612					
SNORD68 SNORD68	125.0013826	57.22185244	137.1523968		
90.22992816					
SNORA65 SNORA65	10.41678189	8.803361914	17.84096218		
20.59596186					
SNORD36A	SNORD36A	38.54209298	45.77748195		
80.28432981	63.74940576				
SNORD24 SNORD24	10.41678189	4.401680957	3.345180409		
0.980760089					
MIR3115 MIR3115	2.083356377	4.401680957	3.345180409		

0.980760089					
MIR2909	MIR2909	0	0	6.690360818	1.961520177
MIR1972-1	MIR1972-1			1.041678189	1.760672383
					0
0.980760089					
LINC00898	LINC00898	0	0	0	0.980760089
LOC442497	LOC442497	0	0.880336191		2.230120273
					0
KIF9-AS1	KIF9-AS1	54.16726581		62.50386959	
72.47890886	63.74940576				
LOC283440	LOC283440	1.041678189		0.880336191	
1.115060136	0				
LINC01115	LINC01115	1.041678189		0.880336191	0
5.884560532					
KANSL1-AS1	KANSL1-AS1	2.083356377		1.760672383	
1.115060136	0				
LOC643542	LOC643542	0	0	7.805420954	
1.961520177					
LOC389641	LOC389641	32.29202385		165.503204	
113.7361339	137.3064124				
MIR181A2HG	MIR181A2HG	6.250069132		7.923025723	
3.345180409	6.865320621				
FLJ39080	FLJ39080	1.041678189		0.880336191	
1.115060136	0				
MIR1-2	MIR1-2	1.041678189		0	0
DIRC3	DIRC3	5.208390943		6.16235334	79.16926967
59.82636541					
LOC339529	LOC339529	0	0.880336191		0
1.961520177					
LOC283177	LOC283177	0	0	1.115060136	0
INE1	INE1	60.41733494		67.78588674	79.16926967
58.84560532					
MIR425	MIR425	13.54181645		20.2477324	33.45180409
10.78836098					
LINC00485	LINC00485	0	0	2.230120273	0
SNORD2	SNORD2	89.58432423		47.53815434	91.43493117
90.22992816					
TCL6	TCL6	1.041678189		2.641008574	25.64638313
7.846080709					
MGC45922	MGC45922	16.66685102		22.88874098	
25.64638313	14.71140133				
SPATA41	SPATA41	20.83356377		32.57243908	26.76144327
34.3266031					
MIR570	MIR570	47.91719668		81.8712658	65.78854804
62.76864567					
MIR569	MIR569	0	0	2.230120273	0
SAMD12-AS1	SAMD12-AS1	1.041678189		0	0
0.980760089					
C10orf111	C10orf111	41.66712755		79.23025723	
61.32830749	48.05724434				
DKFZP586I1420	DKFZP586I1420	60.41733494		102.1189982	

147.187938	127.4988115					
OR7E91P OR7E91P	0 0	0	0.980760089			
LOC541473	LOC541473	20.83356377	43.13647338			
52.4078264	38.24964346					
MIR491 MIR491	4.166712755	4.401680957	1.115060136			
3.923040355						
TMED11P TMED11P	0 0.880336191	0	7.846080709			
ATP5I ATP5I	3493.788645	3793.368649	3367.481612			
3075.663638						
STXBP6 STXBP6	6.250069132	3.521344766	1.115060136	0		
HNRNPA1P33	HNRNPA1P33	0 0	2.230120273	0		
LOC641367	LOC641367	30.20866747	22.88874098			
10.03554123	5.884560532					
UQCRBP1 UQCRBP1	1.041678189	0.880336191	8.92048109	0		
KIAA0125	KIAA0125	3.125034566	26.41008574	0		
3.923040355						
RBM8A RBM8A	15772.04946	11500.712	14905.00884			
14231.80965						
ZNF271 ZNF271	1636.476434	1520.340603	2074.011853			
1786.944882						
FBX022-AS1	FBX022-AS1	1980.230237	1059.924774			
1450.693237	1324.02612					
CXorf23 CXorf23	279.1697546	499.1506205	403.6517693			
550.2064097						
FTX FTX	135.4181645	169.0245488	212.976486			
183.4021366						
MIR766 MIR766	0 0	2.230120273	1.961520177			
LOC100288846	LOC100288846	22.91692015	52.82017149			
23.41626286	6.865320621					
LINC00857	LINC00857	0	1.760672383	0		
3.923040355						
CPEB2-AS1	CPEB2-AS1	1.041678189	2.641008574			
8.92048109	2.942280266					
WASH7P WASH7P	96.87607155	154.9391697	86.97469063			
92.19144833						
DMBT1P1 DMBT1P1	0 0	0	0.980760089			
FER1L6-AS1	FER1L6-AS1	0	0	0	0.980760089	
NRON NRON	0 2.641008574	0	2.942280266			
GSTM2P1 GSTM2P1	0 2.641008574	0	0.980760089			
MIR1307 MIR1307	30.20866747	30.8117667	8.92048109			
37.26888337						
LINC01089	LINC01089	104.1678189	279.9469089			
129.3469758	121.614251					
LINC00294	LINC00294	80.20922053	132.0504287			
79.16926967	103.9605694					
LOC441455	LOC441455	2.083356377	0	17.84096218		
4.903800443						
MYLIP MYLIP	338.5454113	648.8077731	1680.395625			
1093.547499						
PPARGC1A	PPARGC1A	0	0	4.460240545	0	

PREB PREB	10345.94777	6824.366156	6905.567424	
7426.315391				
LINC00997	LINC00997	5.208390943	16.72638764	
1.115060136	8.826840798			
FOXN3-AS1	FOXN3-AS1	172.9185793	106.5206792	
161.6837198	133.3833721			
DLGAP1-AS5	DLGAP1-AS5	0 0	17.84096218	
7.846080709				
FGF14-IT1	FGF14-IT1	0 0.880336191	2.230120273	
1.961520177				
SBF2-AS1	SBF2-AS1	98.95942793	145.2554716	
224.1270874	315.8047486			
GTSE1-AS1	GTSE1-AS1	31.25034566	55.46118006	
41.25722504	25.49976231			
WWC2-AS2	WWC2-AS2	0 0	5.575300681	
0.980760089				
SMCR5 SMCR5	0 0	6.690360818	4.903800443	
LINC00476	LINC00476	764.5917905	407.5956566	
782.7722157	391.3232754			
FAM35BP FAM35BP	1.041678189	2.641008574	4.460240545	
2.942280266				
TEX26 TEX26	0 0	0 0.980760089		
HOXB13 HOXB13	1.041678189	0 0	0	
EIF3M EIF3M	12656.38999	9593.903814	11814.06214	
11116.91561				
TRPV6 TRPV6	2.083356377	4.401680957	0 0.980760089	
SHISA8 SHISA8	4.166712755	7.042689532	8.92048109	
41.19192372				
UNC13B UNC13B	22.91692015	92.4353001	121.5415549	
155.9408541				
NPHP3-AS1	NPHP3-AS1	10.41678189	7.923025723	
6.690360818	17.6536816			
RPL13AP6	RPL13AP6	3.125034566	4.401680957	
8.92048109	6.865320621			
LINC00410	LINC00410	0 0	1.115060136	0
LOC152225	LOC152225	3.125034566	0 0	0
MIR1244-2	MIR1244-2	10468.8658	10568.43598	
10111.36532	10123.40564			
DNM1P35 DNM1P35	0 0	1.115060136	2.942280266	
POM121L10P	POM121L10P	4.166712755	5.282017149	0
5.884560532				
MIR4523 MIR4523	0 3.521344766	1.115060136	0	
MIR4521 MIR4521	0 0	1.115060136	0	
MIR4520-1	MIR4520-1	0 3.521344766	1.115060136	
0				
MIR4519 MIR4519	5.208390943	5.282017149	3.345180409	
4.903800443				
MIR4518 MIR4518	5.208390943	1.760672383	2.230120273	
4.903800443				
MIR4517 MIR4517	6.250069132	14.08537906	7.805420954	

13.73064124				
LARP4B LARP4B	6088.609013	7243.406183	6003.483774	
5712.927516				
RIC8B RIC8B	626.0485914	489.4669224	866.4017259	
595.3213738				
TTC17 TTC17	3512.538852	3039.800869	3613.909902	
3923.040355				
WDR73 WDR73	1795.853197	1200.778565	1659.209483	
1605.504265				
LOC729609	LOC729609	5.208390943	4.401680957	
8.92048109	4.903800443			
FLJ42627	FLJ42627	33.33370204	36.97412004	
22.30120273	20.59596186			
LOC100128573	LOC100128573	1.041678189	8.803361914	
2.230120273	8.826840798			
LINC00909	LINC00909	757.3000432	643.5257559	
1462.958899	931.7220842			
PAXIP10S	PAXIP10S	508.3389561	442.8091043	
705.8330663	655.1477392			
MIR5010 MIR5010	94.79271517	55.46118006	34.56686422	
68.65320621				
MIR5001 MIR5001	29.16698928	40.49546481	30.10662368	
52.96104479				
MIR4999 MIR4999	0 0	0 1.961520177		
MIR5006 MIR5006	9.375103698	24.64941336	28.99156354	
23.53824213				
LOC100996251	LOC100996251	35.41705842	12.32470668	
51.29276627	22.55748204			
CTAGE4 CTAGE4	0 0	2.230120273	0.980760089	
PCSK4 PCSK4	2.083356377	14.96571525	23.41626286	
24.51900222				
HIF1AN HIF1AN	6941.743449	7193.22702	6057.00666	
6357.286895				
MREG MREG	900.009955	936.6777077	799.4981177	
838.5498758				
LOC729737	LOC729737	7.291747321	42.25613719	
8.92048109	12.74988115			
TSIX TSIX	1130.220835	0 1631.332979 0		
LINC00888	LINC00888	271.8780073	403.1939757	
117.0813143	304.0356275			
KLHL7-AS1	KLHL7-AS1	2.083356377	30.8117667	
13.38072164	36.28812328			
MGC27345	MGC27345	412.5045627	458.6551557	
900.9685901	532.5527281			
TMEM256-PLSCR3	TMEM256-PLSCR3	5692.771301	5214.231262	
3571.537616	4618.399258			
FAM175A FAM175A	3033.366885	3410.422406	3280.506921	
3346.353423				
MIR4734 MIR4734	4.166712755	2.641008574	2.230120273	
0.980760089				

MIR4730	MIR4730	1.041678189	0	0	0	
MIR4728	MIR4728	1.041678189	0	2.230120273	0.980760089	
MIR4727	MIR4727	4.166712755	0	1.115060136	0	
ZBTB39	ZBTB39	536.4642672	467.4585177	850.790884		
796.377192						
HERC2P10	HERC2P10		43.75048393	30.8117667		
59.09818722	33.34584301					
RAD51-AS1	RAD51-AS1		173.9602575	225.366065		
297.7210564	335.4199503					
FGF2	FGF2	255.2111562	280.8272451	144.9578177		
189.2866971						
FA2H	FA2H	0	7.042689532	4.460240545	0.980760089	
TDRD9	TDRD9	138.5431991	40.49546481	33.45180409		
61.78788559						
CXCR6	CXCR6	11246.9994	7393.063336	2914.767196		
7735.254819						
GNG8	GNG8	372.9207916	135.5717735	510.6975424		
392.3040355						
AVPI1	AVPI1	118.7513135	70.42689532	247.5433503		
152.9985738						
FBXL15	FBXL15	1018.761269	1012.38662	1025.855325		
1039.605694						
TMEM119	TMEM119	10.41678189	22.00840479	7.805420954		
3.923040355						
ZNF776	ZNF776	560.4228655	938.4383801	1035.890867		
972.914008						
SAMSN1-AS1	SAMSN1-AS1		9.375103698	1.760672383		
7.805420954	2.942280266					
LINC00551	LINC00551		0	0	5.575300681	0
C8orf31	C8orf31	98.95942793	55.46118006	88.08975076		
42.17268381						
LOC101928053	LOC101928053		19.79188559	42.25613719		
49.062646	38.24964346					
NAV2-AS2	NAV2-AS2		5.208390943	0.880336191		0
1.961520177						
CARD17	CARD17	150.0016592	117.0847135	51.29276627		
60.8071255						
PTRHD1	PTRHD1	1546.89211	1526.502956	898.7384698		
920.9337233						
KLHDC10	KLHDC10	195.8354995	460.4158281	369.0849051		
200.0750581						
FTH1	FTH1	124835.7558	80163.41359	80343.428		
56748.74025						
TMEM244	TMEM244	11.45846008	6.16235334	16.72590204		
1.961520177						
MIR3620	MIR3620	241.6693398	173.4262297	277.6499739		
210.8634191						
MIR23C	MIR23C	0	0.880336191	0		
MIR4737	MIR4737	13.54181645	9.683698106	12.2656615		
17.6536816						

MIR4736	MIR4736	7.291747321	6.16235334	5.575300681	
2.942280266					
HES5	HES5	0	1.760672383	0	0.980760089
PLEKHA8P1	PLEKHA8P1		205.2106032	220.9643841	
162.7987799	236.3631814				
LOC100289473	LOC100289473	0	0.880336191	0	0
ATP6V0CP3	ATP6V0CP3	0	0.880336191	0	0
FOXN3-AS2	FOXN3-AS2	0	0.880336191	0	
0.980760089					
LOC100129550	LOC100129550	3.125034566		5.282017149	
15.61084191	14.71140133				
LOC100131496	LOC100131496	18.7502074		0.880336191	
1.115060136	3.923040355				
LOC100630918	LOC100630918	108.3345316		141.7341268	
112.6210738	115.7296905				
CYP2D7P	CYP2D7P	10.41678189	11.44437049	7.805420954	
13.73064124					
LOC642423	LOC642423	2.083356377		6.16235334	
1.115060136	3.923040355				
NAPA-AS1	NAPA-AS1	2517.736182		1502.733879	
3245.940057	1802.637043				
LOC100506746	LOC100506746	37.50041479		46.65781815	
42.37228518	45.11496408				
LINC00693	LINC00693	0	0	0	1.961520177
LOC574538	LOC574538	1.041678189		0.880336191	
6.690360818	0.980760089				
HERC2P7	HERC2P7	25.00027653	11.44437049	26.76144327	
3.923040355					
LINC00987	LINC00987	63.54236951		44.01680957	
17.84096218	54.92256497				
HERC2P3	HERC2P3	255.2111562	41.375801	227.4722678	
38.24964346					
PTDSS2	PTDSS2	1111.470627	883.8575362	950.0312361	
850.3189969					
FOXL1	FOXL1	0	1.760672383	0	0.980760089
DSCR9	DSCR9	21.87524196	15.84605145	26.76144327	
15.69216142					
MIR19B1	MIR19B1	2.083356377	0.880336191	0	0
LINC01270	LINC01270	44.79216211		31.69210289	
6.690360818	7.846080709				
NDUFA6-AS1	NDUFA6-AS1	53.12558762		69.54655912	
49.062646	71.59548647				
FAM172BP	FAM172BP	276.04472		285.228926	
289.9156354	491.3608044				
LINC01225	LINC01225	0	0	4.460240545	
2.942280266					
YPEL4	YPEL4	2.083356377	7.923025723	16.72590204	
9.807600887					
ZNF365	ZNF365	19.79188559	9.683698106	41.25722504	
90.22992816					

STAU2-AS1	STAU2-AS1	2.083356377	0	0	0
APOC4-APOC2	APOC4-APOC2	2.083356377	0.880336191		0
0					
SLM02-ATP5E	SLM02-ATP5E	14387.65914	18222.07883		
13792.17883	13039.20538				
P2RX5-TAX1BP3	P2RX5-TAX1BP3	8666.76253	8623.773331		
4875.042916	5364.757685				
BEND3P3 BEND3P3	72.91747321	41.375801	57.98312709		
66.69168603					
LOC100271832	LOC100271832	0	0	2.942280266	
LINC00893	LINC00893	17.70852921	28.17075813		
31.22168382	17.6536816				
LINC00657	LINC00657	1540.642041	2415.642509		
2769.809378	2048.807825				
ZNF738 ZNF738	515.6307034	505.3129739	545.2644066		
456.0534412					
AMZ2P1 AMZ2P1	502.088887	465.6978453	714.7535473		
390.3425153					
AFAP1-AS1	AFAP1-AS1	39.58377117	43.13647338		
80.28432981	150.0562936				
GOLGA2P7	GOLGA2P7	8.33342551	40.49546481		
15.61084191	29.42280266				
FLJ10038	FLJ10038	669.7990753	912.0282943		
758.2408927	727.7239858				
RPSAP9 RPSAP9	58.33397857	52.82017149	72.47890886		
63.74940576					
FLJ43681	FLJ43681	3.125034566	1.760672383		
12.2656615	1.961520177				
LIMS3-LOC440895	LIMS3-LOC440895	1.041678189	0	3.345180409	
0.980760089					
9-Mar 9-Mar	20.83356377	126.7684116	93.66505145		
107.8836098					
CREB3L2 CREB3L2	1141.679295	2424.445871	1505.331184		
1424.063649					
TRMT5 TRMT5	1004.177774	965.728802	966.7571381		
1193.585028					
LOC440895	LOC440895	0	0	2.230120273	0
PRH1 PRH1	952.0938645	758.849797	894.2782293		
839.5306359					
CTAGE11P	CTAGE11P	2.083356377	0	1.115060136	
0					
TMEM51-AS1	TMEM51-AS1	0	3.521344766	0	0
GUSBP3 GUSBP3	98.95942793	77.46958485	107.0457731		
103.9605694					
A2M-AS1 A2M-AS1	0	0	2.230120273	26.48052239	
LOC100132215	LOC100132215	77.08418596	87.15328295		
119.3114346	96.11448869				
SNORA80B	SNORA80B	30.20866747	36.09378385		
60.21324736	18.63444168				
LINC00662	LINC00662	203.1272468	180.4689192		

330.0578003	336.4007104				
FAM35DP FAM35DP	6.250069132	4.401680957	40.14216491		
8.826840798					
MIR4271 MIR4271	13.54181645	14.08537906	20.07108245		
5.884560532					
FLJ42351	FLJ42351	9.375103698	15.84605145		
12.2656615	13.73064124				
CYP1B1-AS1	CYP1B1-AS1	10.41678189	14.08537906	0	
	0.980760089				
GNN GNN	5.208390943	13.20504287	31.22168382		
29.42280266					
ANKRD26P3	ANKRD26P3	0	1.760672383	0	
1.961520177					
LINC01106	LINC01106	0	0	1.115060136	0
C21orf128	C21orf128	0	1.760672383	0	0
LOC654342	LOC654342	55.208944	219.2037117		
37.91204463	122.5950111				
LOC728743	LOC728743	443.7549084	628.5600407		
653.4252399	505.0914457				
INAFM1 INAFM1	170.8352229	243.853125	183.9849225		
195.1712576					
PCDHGA6 PCDHGA6	5.208390943	4.401680957	33.45180409		
11.76912106					
TMEM170A	TMEM170A	1415.640658	1035.275361		
1446.232997	1262.238234				
ZG16B ZG16B	126.0430608	125.0077392	104.8156528		
56.88408514					
ACAP3 ACAP3	715.6329156	1267.684116	521.8481438		
689.4743423					
RAP2C-AS1	RAP2C-AS1	40.62544936	30.8117667		
54.63794668	70.61472638				
NME5 NME5	0	2.641008574	0	0	
PGBD2 PGBD2	682.2992136	529.9623872	994.6336415		
759.1083086					
TSKS TSKS	14.58349464	37.85445623	0	37.26888337	
TUBA1C TUBA1C	16980.39615	13642.56996	13962.78303		
15021.32152					
APOL6 APOL6	4208.379882	6496.881093	17528.74534		
7179.163849					
LINC00534	LINC00534	0	0	1.115060136	0
RPARP-AS1	RPARP-AS1	252.0861217	335.4080889		
418.1475511	575.706172				
SENCR SENCN	17.70852921	73.06790389	8.92048109		
23.53824213					
MIR4458HG	MIR4458HG	177.0852921	153.1784973		
129.3469758	152.9985738				
LOC100130899	LOC100130899	0	1.760672383	2.230120273	
	4.903800443				
FLJ22447	FLJ22447	30.20866747	28.17075813		
10.03554123	34.3266031				

PLEKHA7	PLEKHA7	166.6685102	286.1092622	43.48734531	
216.7479796					
MIR3911	MIR3911	25.00027653	28.17075813	33.45180409	
37.26888337					
MIR3912	MIR3912	0	0	0.980760089	
MIR3917	MIR3917	3040.658633	3296.859037	1567.774552	
2489.169105					
MIR3916	MIR3916	23.95859834	43.13647338	42.37228518	
47.07648426					
MIR3907	MIR3907	0	2.641008574	0	0
SERF2-C150RF63	SERF2-C150RF63	12204.30166		11700.54832	
9942.991235	10692.24649				
LOC100506071	LOC100506071	72.91747321		46.65781815	
25.64638313	51.9802847				
LOC100505715	LOC100505715	31.25034566		29.93143051	
149.4180583	85.32612771				
STX17-AS1	STX17-AS1	3.125034566		5.282017149	
13.38072164	8.826840798				
LOC100505912	LOC100505912	1.041678189		1.760672383	0
0.980760089					
C1orf56	C1orf56	340.6287677	887.378881	333.4029807	
334.4391902					
PYURF	PYURF	8515.719193	5671.125745	10522.82251	
7042.838197					
FAM73B	FAM73B	1317.722909	1282.649831	1765.140196	
1333.833721					
LINC01136	LINC01136	33.33370204		33.45277527	
36.7969845	23.53824213				
FLJ21408	FLJ21408	52.08390943		31.69210289	
207.4011853	128.4795716				
APCDD1L-AS1	APCDD1L-AS1	0	1.760672383	0	
1.961520177					
MIR125A	MIR125A	0	0	4.903800443	
CASC14	CASC14	10.41678189	13.20504287	5.575300681	
6.865320621					
MIR3136	MIR3136	0	0.880336191	0	0
GUCY1B3	GUCY1B3	63.54236951	153.1784973	24.531323	
81.40308736					
CFLAR-AS1	CFLAR-AS1	3143.784773		2337.292588	
2725.206973	2827.531336				
TUBA1B	TUBA1B	224658.735	153075.498	139694.7339	
159814.8564					
TTI1	TTI1	4940.679649	5164.932435	3927.2418	
4716.475266					
SAFB2	SAFB2	3242.744201	2469.343017	3723.185795	
2781.435611					
ASPRV1	ASPRV1	47.91719668	59.86286102	22.30120273	
67.67244612					
SH3PXD2A	SH3PXD2A	148.959981		448.9714576	
226.3572077	216.7479796				

NPPC	NPPC	1.041678189	3.521344766	0	0	
ODF1	ODF1	2.083356377	1.760672383	0	2.942280266	
LOC100128239	LOC100128239	1.041678189	9.683698106			
7.805420954	12.74988115					
LRRC37A6P	LRRC37A6P	6.250069132	3.521344766			
33.45180409	8.826840798					
ARHGAP5-AS1	ARHGAP5-AS1	1.041678189	2.641008574			
23.41626286	21.57672195					
OR13A1	OR13A1	3.125034566	1.760672383	5.575300681	0	
CERS6-AS1	CERS6-AS1	878.1347131	1838.141968			
972.3324388	1176.912106					
MIR3714	MIR3714	0	1.760672383	3.345180409	0	
MIR3692	MIR3692	0	0.880336191	0	0	
MIR4306	MIR4306	1.041678189	0	0	0.980760089	
MIR4298	MIR4298	0	0	2.942280266		
MIR3677	MIR3677	0	0.880336191	0	1.961520177	
MIR3671	MIR3671	1.041678189	2.641008574	33.45180409		
8.826840798						
MIR3665	MIR3665	63.54236951	44.89714576	33.45180409		
45.11496408						
MIR3662	MIR3662	9.375103698	1.760672383	2.230120273	0	
MIR3661	MIR3661	2970.866194	2125.131566	2307.059422		
2203.767919						
LOC100506274	LOC100506274	10.41678189	7.042689532			
25.64638313	12.74988115					
MAP2K4P1	MAP2K4P1	32.29202385	35.21344766			
3.345180409	13.73064124					
LINC00466	LINC00466	0	0	2.230120273	0	
FKBP1A-SDCBP2	FKBP1A-SDCBP2	863.5512184	1528.263628			
761.5860731	717.9163849					
MTBP	MTBP	1181.263066	990.3782154	735.9396899		
999.3945304						
FEM1B	FEM1B	2383.359696	3086.458687	3621.715323		
2520.553428						
CDK12	CDK12	688.5492827	1264.162771	1120.635437		
847.3767166						
MATN1-AS1	MATN1-AS1	50.00055306	18.48706002			
147.187938	180.4598563					
KRT6B	KRT6B	1.041678189	0.880336191	0	0	
MRPL41	MRPL41	3296.911467	3273.970296	2172.137145		
2463.669343						
MRPS6	MRPS6	7678.209929	6954.655912	6332.426514		
6488.708747						
LINC00578	LINC00578	1.041678189	0	2.230120273		
0						
GOLGA6L7P	GOLGA6L7P	0	1.760672383	0		
1.961520177						
MIR4641	MIR4641	0	0	1.115060136	0.980760089	
LINC01277	LINC01277	0	1.760672383	0		
8.826840798						

LOC100130452	LOC100130452	1.041678189	1.760672383	0
1.961520177				
PPP1R2P3	PPP1R2P3	20.83356377	11.44437049	
18.95602232	17.6536816			
ENTPD1-AS1	ENTPD1-AS1	1323.972978	668.1751693	
532.9987451	335.4199503			
LOC100132287	LOC100132287	0	2.641008574	0
0.980760089				
PAXIP1-AS1	PAXIP1-AS1	212.5023505	272.9042193	
389.1559876	339.3429907			
LOC400654	LOC400654	0	0	1.115060136
MIR1178	MIR1178	28.12531109	116.2043773	25.64638313
31.38432284				
MIR1248	MIR1248	61.45901313	55.46118006	133.8072164
92.19144833				
MIR1291	MIR1291	4.166712755	5.282017149	2.230120273
4.903800443				
LOC100129345	LOC100129345	0	3.521344766	0
7.846080709				
NLE1	NLE1	1263.555643	824.8750114	1080.493272
1137.681703				
MIR1229	MIR1229	5.208390943	0.880336191	4.460240545
6.865320621				
MIR1227	MIR1227	27.08363291	20.2477324	24.531323
26.48052239				
MIR1234	MIR1234	0	0.880336191	3.345180409
				5.884560532
SSSCA1-AS1	SSSCA1-AS1	32.29202385	28.17075813	
84.74457036	56.88408514			
C2orf27A	C2orf27A	93.75103698	67.78588674	
76.9391494	86.3068878			
GPR171	GPR171	7730.293838	7106.073737	7909.121547
6043.443666				
SLC30A4	SLC30A4	98.95942793	136.4521097	165.0289002
102.9798093				
TNFRSF13B	TNFRSF13B	18.7502074	1.760672383	0
9.807600887				
DNAJC1	DNAJC1	1167.72125	1249.197056	1289.009518
989.5869295				
GIMAP1	GIMAP1	2019.814008	2248.378633	2326.015444
2183.171957				
LOC100129148	LOC100129148	2425.026823	1978.115422	
2214.509431	2098.82659			
LOC100499484	LOC100499484	78.12586415	42.25613719	
105.9307129	109.8451299			
RMRP	RMRP	10.41678189	113.5633687	32.33674395
33.34584301				
GNAS-AS1	GNAS-AS1	13.54181645	12.32470668	
3.345180409	8.826840798			
LINC01023	LINC01023	2.083356377	0	0
0.980760089				

NCF1C	NCF1C	12.50013826	30.8117667	8.92048109	
8.826840798					
NCF1B	NCF1B	42.70880574	79.23025723	75.82408927	
53.94180488					
PIAS4	PIAS4	775.0085724	587.1842397	440.4487538	
469.7840825					
LINC01012	LINC01012		28.12531109	18.48706002	
30.10662368	41.19192372				
PMS2P9	PMS2P9	22.91692015	28.17075813	24.531323	
14.71140133					
GGA2	GGA2	8025.088766	7903.658327	6639.068051	
8376.671917					
ZHX2	ZHX2	604.1733494	937.5580439	1450.693237	
1287.737996					
DCBLD1	DCBLD1	619.7985223	440.1680957	477.2457383	
411.9192372					
KDM4A-AS1	KDM4A-AS1		468.7551849	337.1687613	
303.2963571	336.4007104				
GCSHP3	GCSHP3	33.33370204	52.82017149	31.22168382	
39.23040355					
SPATA31E1	SPATA31E1		0	0.880336191	0
0.980760089					
WDR49	WDR49	0	0	17.84096218	0
LOC440028	LOC440028		9.375103698	1.760672383	
24.531323	2.942280266				
ZNF205-AS1	ZNF205-AS1		33.33370204	10.5640343	
30.10662368	11.76912106				
LOC100240734	LOC100240734		0	3.521344766	0
0.980760089					
FLJ12825	FLJ12825		4.166712755	5.282017149	0
4.903800443					
GPRC5B	GPRC5B	1.041678189	0	50.17770613	1.961520177
NLK	NLK	105.2094971	263.2205212	74.70902913	
160.8446545					
POLR3K	POLR3K	7393.831783	4724.764339	5120.356146	
4763.551751					
DNAJB11	DNAJB11	9482.396552	6146.507289	5429.227803	
5361.815405					
SLC16A1-AS1	SLC16A1-AS1		181.2520048	190.1526174	
197.3656441	175.5560559				
TPRG1-AS2	TPRG1-AS2		3.125034566	9.683698106	
17.84096218	6.865320621				
LINC00853	LINC00853		5.208390943	1.760672383	0
0					
EVL	EVL	1547.933788	3534.549809	1646.943821	
1341.679801					
GJB2	GJB2	460.4217594	1403.255889	876.4372671	
930.7413241					
TNKS	TNKS	1338.556472	1936.739621	1836.504044	
1835.982886					

MIR16-2	MIR16-2	5.208390943	14.08537906	1.115060136	
13.73064124					
MIR106A	MIR106A	1.041678189	0	0	0
LOC102724323	LOC102724323		0	0.880336191	0
HUWE1	HUWE1	3894.834748	9468.015739	5270.889264	
5463.814454					
ADAM23	ADAM23	3.125034566	11.44437049	41.25722504	
93.17220842					
SNORA70G	SNORA70G		17.70852921	19.36739621	
22.30120273	22.55748204				
LOC100289511	LOC100289511		1860.437245	2097.841144	
2435.291338	2815.762215				
LOC100294362	LOC100294362		292.711571	803.7469428	
275.4198537	272.6513047				
BCDIN3D-AS1	BCDIN3D-AS1		371.8791134	370.6215366	
505.1222417	461.9380018				
FAM133CP	FAM133CP		0	0	1.115060136
MST1P2	MST1P2	9.375103698	14.96571525	33.45180409	0
34.3266031					
SNORD125	SNORD125		2.083356377	6.16235334	
2.230120273	1.961520177				
SCARNA27	SCARNA27		1.041678189	1.760672383	
24.531323	0.980760089				
SNORD127	SNORD127		0	1.760672383	0
SNORD58C	SNORD58C		17.70852921	28.17075813	0
34.56686422	28.44204257				
SNORD105B	SNORD105B		4.166712755	0.880336191	0
0					
SNORD19B	SNORD19B		94.79271517	53.70050768	
92.54999131	119.6527308				
SNORA70B	SNORA70B		11.45846008	5.282017149	
5.575300681	0				
SNHG15	SNHG15	2578.153517	1961.389035	3501.288828	
3058.990717					
SNORA38B	SNORA38B		0	1.760672383	3.345180409
0					
SNORD12B	SNORD12B		4.166712755	1.760672383	
4.460240545	2.942280266				
SNORA36C	SNORA36C		3.125034566	0	0
SNORA84	SNORA84	91.66768061	57.22185244	190.6752833	0
83.36460754					
SNHG9	SNHG9	244.7943743	262.340185	295.4909361	
193.2097375					
LRR37A4P	LRR37A4P		153.1266937	315.1603565	
223.0120273	275.5935849				
SNX29P2	SNX29P2	25.00027653	17.60672383	35.68192436	
43.1534439					
TPTEP1	TPTEP1	1.041678189	2.641008574	10.03554123	
10.78836098					
SCARNA16	SCARNA16		77.08418596	43.13647338	

83.62951022	74.53776674			
SNORA67 SNORA67	96.87607155	74.82857627	170.6042008	
140.2486927				
RPL13P5 RPL13P5	118.7513135	160.2211868	139.382517	
104.9413295				
PWARSN PWARSN	78.12586415	73.94824008	406.9969497	
269.7090244				
GLIS3-AS1	GLIS3-AS1	0	5.282017149	3.345180409
0.980760089				
ZNF847P ZNF847P	0	0.880336191	0	0
LOC100130987	LOC100130987	14.58349464	36.09378385	
16.72590204	30.40356275			
DCTN1-AS1	DCTN1-AS1	2.083356377	4.401680957	
11.15060136	2.942280266			
USP27X-AS1	USP27X-AS1	18.7502074	11.44437049	
89.2048109	24.51900222			
LINC00921	LINC00921	14.58349464	30.8117667	
57.98312709	38.24964346			
PDCD6IPP2	PDCD6IPP2	21.87524196	12.32470668	
49.062646	13.73064124			
LOC100130298	LOC100130298	57.29230038	44.01680957	
197.3656441	88.26840798			
RCAN3AS RCAN3AS	32.29202385	27.29042193	43.48734531	
54.92256497				
TFAP2A-AS1	TFAP2A-AS1	3.125034566	7.042689532	0
2.942280266				
RBM5-AS1	RBM5-AS1	716.6745938	610.9533169	
810.6487191	726.7432257			
MIR192 MIR192	0	0	0.980760089	
LOC100507412	LOC100507412	84.37593328	233.2890907	
212.976486	184.3828967			
MIR363 MIR363	1.041678189	0	0	0
MIR130B MIR130B	0	3.521344766	5.575300681	0.980760089
MIR150 MIR150	5.208390943	4.401680957	3.345180409	0
LINC01260	LINC01260	286.4615019	114.4437049	
342.3234618	82.38384745			
LOC254896	LOC254896	0	2.641008574	17.84096218
3.923040355				
MIRLET7DHG	MIRLET7DHG	6.250069132	41.375801	
36.7969845	17.6536816			
LOC101243545	LOC101243545	172.9185793	118.8453858	
162.7987799	153.9793339			
CXorf31 CXorf31	0	4.401680957	1.115060136	0
USP45 USP45	1301.056058	833.6783733	963.4119577	
876.7995193				
LOC100505978	LOC100505978	12.50013826	6.16235334	
11.15060136	2.942280266			
SMYD1 SMYD1	0	0.880336191	0	17.6536816
DTX2P1-UPK3BP1-PMS2P11	DTX2P1-UPK3BP1-PMS2P11	85.41761147		
110.9223601	62.44336763	87.28764789		

ISM1-AS1	ISM1-AS1	0	0.880336191	0	0
ARAP2 ARAP2	3306.286571	4040.743119	6057.00666		
5163.701867					
MIR3130-2	MIR3130-2	2.083356377	0	0	0
MIR3130-1	MIR3130-1	2.083356377	0	0	0
MIR3128 MIR3128	0 0.880336191	3.345180409	0.980760089		
LINC00612	LINC00612	0	0.880336191	5.575300681	
18.63444168					
LOC100133286	LOC100133286	2265.65006	1278.24815		
2107.463658	1695.734193				
PTOV1-AS1	PTOV1-AS1	172.9185793	290.5109432		
210.7463658	159.8638945				
CYP46A1 CYP46A1	0 1.760672383	12.2656615	3.923040355		
RPL23AP53	RPL23AP53	288.5448583	375.9035537		
560.8752485	523.7258873				
MIR4295 MIR4295	2.083356377	0	0	0	
CXCL16 CXCL16	243.7526962	256.1778317	318.907199		
343.266031					
SKP1P2 SKP1P2	0 0	2.230120273	2.942280266		
MIR3651 MIR3651	83.3342551	52.82017149	177.2945617		
76.49928692					
MIR3650 MIR3650	0 0	0	0.980760089		
LOC101928008	LOC101928008	0	0	1.115060136	
4.903800443					
TENM3 TENM3	7.291747321	0	0	0	
LINC00226	LINC00226	0	0	1.115060136	0
DLG1-AS1	DLG1-AS1	25.00027653	36.97412004		
15.61084191	21.57672195				
TCEB3-AS1	TCEB3-AS1	467.7135067	384.7069157		
548.609587	570.8023716				
LOC100506895	LOC100506895	1.041678189	4.401680957	0	
0					
LOC100128176	LOC100128176	6.250069132	0	34.56686422	
27.46128248					
FAM24B-CUZD1	FAM24B-CUZD1	134.3764863	154.9391697		
152.7632387	217.7287397				
LOC100233156	LOC100233156	200.0022122	160.2211868		
168.3740806	182.4213765				
SLFNL1-AS1	SLFNL1-AS1	83.3342551	129.4094201		
47.94758586	110.82589				
LINC00487	LINC00487	0	1.760672383	2.230120273	
12.74988115					
ZFP91-CNTF	ZFP91-CNTF	1509.391695	1502.733879		
1331.381803	1103.3551				
LOC100506178	LOC100506178	2.083356377	0.880336191		
32.33674395	0				
MED4-AS1	MED4-AS1	2464.610594	1974.594077		
2526.726269	2354.804973				
HOXA10-HOXA9	HOXA10-HOXA9	0	2.641008574	8.92048109	
0.980760089					

HMGA1P7	HMGA1P7	0	0	1.115060136	0
SRGAP2B	SRGAP2B	623.965235		687.5425655	530.7686249
424.6691184					
BACE1-AS	BACE1-AS			0	7.042689532
		10.78836098			5.575300681
UBOX5-AS1	UBOX5-AS1			190.6271085	179.5885831
205.1710651		166.7292151			
MKNK1-AS1	MKNK1-AS1			666.6740408	367.980528
379.1204463		341.3045109			
POU5F2	POU5F2	0	0	6.690360818	0
LSMEM2	LSMEM2	1955.22996		1132.992678	1786.326338
1993.88526					
EPC2	EPC2	163.5434756		166.3835402	344.5535821
207.9211388					
RPS16P5	RPS16P5	35.41705842		46.65781815	27.87650341
34.3266031					
LOC100996325	LOC100996325			0	0
				0	0.980760089
MIR4263	MIR4263	55.208944		12.32470668	25.64638313
25.49976231					
MIR4269	MIR4269	0	1.760672383	1.115060136	0
MIR4326	MIR4326	0	0	0	0.980760089
MIR4260	MIR4260	5.208390943		7.042689532	2.230120273
4.903800443					
MIR4256	MIR4256	0	0	5.575300681	0
MIR4324	MIR4324	3.125034566		4.401680957	3.345180409
2.942280266					
MIR4315-1	MIR4315-1			214.5857069	189.2722812
276.5349138		190.2674572			
AKR7L	AKR7L	4.166712755		1.760672383	5.575300681
14.71140133					
LOC100652770	LOC100652770			8.33342551	15.84605145
		9.807600887			0
LINC00856	LINC00856			0	0
				0	0.980760089
LOC100287944	LOC100287944			47.91719668	40.49546481
63.55842777		57.86484523			
MORF4L2-AS1	MORF4L2-AS1			75.00082959	51.93983529
107.0457731		89.24916807			
LINC01239	LINC01239			0	0
				12.2656615	
5.884560532					
LOC339874	LOC339874			0	7.042689532
19.61520177					0
FLJ46066	FLJ46066			0	0
				0	0.980760089
LINC00894	LINC00894			22.91692015	12.32470668
44.60240545		27.46128248			
MIR4515	MIR4515	4.166712755		6.16235334	5.575300681
7.846080709					
MIR4513	MIR4513	4.166712755		12.32470668	8.92048109
6.865320621					
MIR4510	MIR4510	0	0	2.230120273	0
IL10RB-AS1	IL10RB-AS1			72.91747321	48.41849053

72.47890886	43.1534439				
MIRLET7D	MIRLET7D	1.041678189		9.683698106	
3.345180409	3.923040355				
SLC47A1 SLC47A1	78.12586415	152.2981611		32.33674395	
23.53824213					
MIR4724 MIR4724	6.250069132	14.96571525		34.56686422	
24.51900222					
CECR5-AS1	CECR5-AS1	1.041678189		1.760672383	
20.07108245	18.63444168				
ACN9 ACN9	1431.265831	1130.35167		1377.099268	
1217.12327					
CBWD2 CBWD2	2260.441669	1162.043773		1777.405857	
1315.199279					
HSCB HSCB	643.7571206	598.6286102		606.5927141	
462.9187619					
LOC100506674	LOC100506674	26.04195472		27.29042193	
12.2656615	35.30736319				
HIST1H2AL	HIST1H2AL	90.62600242		192.7936259	
70.24878858	69.6339663				
MIR378D2	MIR378D2	0	0	1.115060136	
0.980760089					
MIR550A3	MIR550A3	0	0.880336191	0	0
MIR497 MIR497	1.041678189	0	0	0.980760089	
PKD1P1 PKD1P1	511.4639907	1438.469337		1118.405317	
1237.719232					
PLEKHG7 PLEKHG7	1.041678189	0	1.115060136	0	
WASH2P WASH2P	123.9597045	202.477324		110.3909535	
116.7104506					
LOC100130744	LOC100130744	597.9232803		699.8672722	
637.8143979	749.3007077				
CCDC163P	CCDC163P	132.29313		353.0148128	
275.4198537	279.5166253				
SNORD103B	SNORD103B	4.166712755		5.282017149	
11.15060136	5.884560532				
LOC644554	LOC644554	0	0	0	0.980760089
ST3GAL4-AS1	ST3GAL4-AS1	263.5445817		243.853125	
78.05420954	205.9596186				
MIRLET7A1	MIRLET7A1	0	0.880336191	1.115060136	
0.980760089					
MIR146B MIR146B	0	0.880336191	2.230120273	0.980760089	
TUSC1 TUSC1	5.208390943	14.08537906		3.345180409	
20.59596186					
LOC100506321	LOC100506321	590.631533		845.1227438	
1174.158323	833.6460754				
LINC00938	LINC00938	500.0055306		456.8944834	
557.5300681	448.2073605				
MIR4449 MIR4449	2.083356377	6.16235334		17.84096218	
9.807600887					
LOC100132078	LOC100132078	4.166712755		8.803361914	0
2.942280266					

MIR4442	MIR4442	94.79271517	189.2722812	92.54999131	
132.402612					
MIR4440	MIR4440	0	0.880336191	0	0
MIR4439	MIR4439	0	2.641008574	0	3.923040355
MIR548AE2	MIR548AE2	0	0	2.230120273	0
MIR4437	MIR4437	5.208390943	0.880336191	0	0
HOTAIRM1	HOTAIRM1		39.58377117	64.26454197	
44.60240545	34.3266031				
MIR4700	MIR4700	46.87551849	113.5633687	69.13372845	
66.69168603					
MIR4697	MIR4697	0	3.521344766	1.115060136	0
MIR4426	MIR4426	15353.29482	14286.97605	19393.12589	
16312.00179					
TXLNGY	TXLNGY	0	468.3388538	0	690.4551024
MIR197	MIR197	6.250069132	3.521344766	4.460240545	0
VTRNA2-1	VTRNA2-1		5.208390943	3.521344766	
7.805420954	5.884560532				
ZNF826P	ZNF826P	135.4181645	54.58084387	163.91384	
62.76864567					
LOC646471	LOC646471		433.3381265	305.4766584	
443.7939342	443.3035601				
LINC00441	LINC00441		15.62517283	14.96571525	
41.25722504	9.807600887				
RBM26-AS1	RBM26-AS1		142.7099119	161.9818592	
279.8800942	319.7277889				
STAG3L3	STAG3L3	341.6704459	398.7922947	425.9529721	
435.4574794					
STAG3L2	STAG3L2	958.3439336	636.4830664	981.2529199	
685.551302					
STAG3L1	STAG3L1	518.755738	566.0561711	654.5403	
588.4560532					
LOC100287015	LOC100287015		262.5029036	257.0581679	
231.9325083	217.7287397				
LDLRAD4-AS1	LDLRAD4-AS1		4.166712755	2.641008574	
1.115060136	8.826840798				
HIST1H2AE	HIST1H2AE		43.75048393	120.6060582	
31.22168382	36.28812328				
TPH2	TPH2	0	0.880336191	0	0
TTC3P1	TTC3P1	0	0.880336191	10.03554123	3.923040355
TLR8-AS1	TLR8-AS1		3.125034566	0	0
FAM212A	FAM212A	27.08363291	44.89714576	78.05420954	
47.07648426					
TAF4B	TAF4B	1541.683719	939.3187163	2571.328674	
2622.552477					
LOXL1	LOXL1	60.41733494	78.34992104	97.01023186	
197.1327778					
MTFMT	MTFMT	1739.602575	1275.607141	1204.264947	
1344.622082					
LINC00266-1	LINC00266-1	0	0.880336191	8.92048109	
4.903800443					

MAGI1-AS1	MAGI1-AS1	1.041678189	0	0	0
CSNK1G2-AS1	CSNK1G2-AS1	3.125034566	10.5640343		
3.345180409	1.961520177				
A2MP1 A2MP1	0 0	0	1.961520177		
MIR3155B	MIR3155B	3.125034566	0.880336191		
7.805420954	2.942280266				
PCAT19 PCAT19	29.16698928	0.880336191	0	0	
ADPGK-AS1	ADPGK-AS1	738.5498358	636.4830664		
762.7011332	685.551302				
LOC100506834	LOC100506834	0	0	3.345180409	
2.942280266					
MIR646HG	MIR646HG	11.45846008	18.48706002		
39.02710477	25.49976231				
FAM87A FAM87A	0 0	1.115060136	0		
PAPPA-AS1	PAPPA-AS1	1.041678189	0.880336191		
4.460240545	4.903800443				
GSN-AS1 GSN-AS1	22.91692015	34.33311147	31.22168382		
32.36508293					
TMEM75 TMEM75	5.208390943	2.641008574	0	4.903800443	
ACER1 ACER1	3.125034566	0.880336191	53.52288654		
24.51900222					
PCAT1 PCAT1	0 0	0	0.980760089		
RNF157-AS1	RNF157-AS1	630.2153042	638.2437388		
524.078264	366.8042732				
LOC100506082	LOC100506082	1.041678189	1.760672383	0	
	1.961520177				
PMS2P3 PMS2P3	341.6704459	288.7502708	414.8023707		
407.0154368					
ZSCAN16-AS1	ZSCAN16-AS1	383.3375734	453.3731386		
469.4403174	371.7080736				
LOC100505658	LOC100505658	35.41705842	14.96571525		
15.61084191	9.807600887				
GALNT13 GALNT13	11.45846008	0	7.805420954	0	
FMNL2 FMNL2	6.250069132	51.0594991	35.68192436		
32.36508293					
SLC16A12	SLC16A12	3.125034566	0.880336191		
10.03554123	0				
SULT1B1 SULT1B1	78.12586415	124.127403	23.41626286		
45.11496408					
TSPYL2 TSPYL2	1291.680954	1196.376884	5088.019402		
3035.452474					
ASB12 ASB12	12.50013826	26.41008574	6.690360818		
19.61520177					
MADCAM1 MADCAM1	2.083356377	1.760672383	0	0	
LPCAT4 LPCAT4	815.6340218	1231.590332	625.5487364		
815.9923938					
SELM SELM	160.4184411	119.725722	1478.569741		
587.4752931					
LIX1 LIX1	3.125034566	0	0	0	
FBX039 FBX039	16.66685102	3.521344766	4.460240545		

16.67292151					
TULP2	TULP2	1.041678189	1.760672383	3.345180409	
3.923040355					
DAND5	DAND5	1.041678189	0.880336191	6.690360818	
2.942280266					
SVEP1	SVEP1	0	3.521344766	3.345180409	0
SNORD35B	SNORD35B		72.91747321	52.82017149	
108.1608332		89.24916807			
UBE2Q2L	UBE2Q2L	4.166712755	4.401680957	0	2.942280266
ATXN7L2	ATXN7L2	739.591514	624.1583597	646.734879	
669.8591406					
RPL13AP5	RPL13AP5		14943.9153	15996.58893	
24746.5296		20690.11483			
TMEM86B	TMEM86B	69.79243864	220.0840479	128.2319157	
117.6912106					
TEKT2	TEKT2	0	0.880336191	7.805420954	0
MIR663AHG	MIR663AHG		1.041678189	0	11.15060136
1.961520177					
FLJ42102	FLJ42102		0	0	5.575300681
LOC100129027	LOC100129027		1.041678189	12.32470668	0
7.846080709					
ZNF212	ZNF212	979.1774974	992.1388878	1102.794475	
1127.874102					
XRN2	XRN2	12498.05491	11763.93253	9820.33462	
11946.63864					
LINC00297	LINC00297		0	0.880336191	0
0.980760089					
GNRHR2	GNRHR2	1383.348635	947.241742	1751.759474	
1486.832294					
C14orf79	C14orf79		29.16698928	34.33311147	
107.0457731		92.19144833			
LDLRAD3	LDLRAD3	16.66685102	22.00840479	0	28.44204257
SMIM14	SMIM14	201.0438904	184.8706002	527.4234445	
260.8821836					
RNASEK-C17orf49	RNASEK-C17orf49		19862.7197	22953.00552	
15614.18709		13531.54694			
LINC00943	LINC00943		5.208390943	9.683698106	
54.63794668		67.67244612			
HEATR4	HEATR4	371.8791134	292.2716156	547.4945269	
385.4387148					
EZR-AS1	EZR-AS1	2604.195472	2056.465343	1564.429371	
1663.36911					
LINC01132	LINC01132		561.4645437	320.4423737	
162.7987799		269.7090244			
ZFX-AS1	ZFX-AS1	3.125034566	12.32470668	12.2656615	
5.884560532					
CYP3A7-CYP3AP1	CYP3A7-CYP3AP1		8.33342551	23.76907717	
5.575300681		15.69216142			
BATF2	BATF2	4.166712755	0	42.37228518	3.923040355
IQCD	IQCD	22.91692015	37.85445623	40.14216491	

52.96104479					
PROX2	PROX2	2.083356377	7.042689532	5.575300681	
9.807600887					
STYK1	STYK1	84.37593328	14.08537906	0	18.63444168
TMEM240	TMEM240	0	2.641008574	0	0.980760089
EXOC3L2	EXOC3L2	0	0	0.980760089	
TCERG1L	TCERG1L	1.041678189	10.5640343	5.575300681	
25.49976231					
N6AMT2	N6AMT2	732.2997667	686.6622293	711.4083669	
726.7432257					
MARS2	MARS2	1383.348635	949.8827506	1397.170351	
1383.852485					
EMC10	EMC10	128.1264172	496.509612	302.1812969	
219.6902599					
CASC5	CASC5	3557.331014	4734.448038	1543.243229	
2184.152717					
CHRNA	CHRNA	1.041678189	0.880336191	0	0
DPH6-AS1	DPH6-AS1		8.33342551	7.042689532	
6.690360818		5.884560532			
LOC100506499	LOC100506499		85.41761147	176.0672383	
132.6921562		371.7080736			
LOC283045	LOC283045		0	0	0.980760089
LOC102031319	LOC102031319		9.375103698	4.401680957	
1.115060136		1.961520177			
LOC100129973	LOC100129973		26.04195472	75.70891246	
93.66505145		82.38384745			
TSPEAR	TSPEAR	0	0	4.460240545	0
SPDYE1	SPDYE1	58.33397857	51.0594991	42.37228518	
61.78788559					
RBPM5-AS1	RBPM5-AS1		3.125034566	0	0
KIAA1656	KIAA1656		100.0011061	95.07630868	0
102.5855325		101.9990492			
KLHL6	KLHL6	2020.855686	3077.655325	2847.863588	
3178.643447					
HOXA-AS3	HOXA-AS3		0	5.282017149	0
0.980760089					
STARD4-AS1	STARD4-AS1		236.4609488	431.3647338	
183.9849225		291.2857463			
MIR5190	MIR5190	0	0.880336191	0	0
MIR5188	MIR5188	3.125034566	2.641008574	0	3.923040355
MIR5187	MIR5187	63.54236951	66.90555055	75.82408927	
48.05724434					
MIR5094	MIR5094	1.041678189	4.401680957	1.115060136	0
MIR5093	MIR5093	0	0.880336191	0	0
MIR5091	MIR5091	0	2.641008574	5.575300681	5.884560532
MIR5090	MIR5090	182.293683	142.614463	123.7716751	
146.1332532					
MIR5088	MIR5088	75.00082959	45.77748195	79.16926967	
55.90332505					
ELK2AP	ELK2AP	0	0.880336191	0	0

PFN1P2	PFN1P2	15.62517283	32.57243908	14.49578177
6.865320621				
ANKRD20A12P	ANKRD20A12P	0	0	0
LINC00659	LINC00659	5.208390943	0.880336191	0.980760089
3.345180409	0.980760089			
XKR3	XKR3	0	0.880336191	2.230120273
ZNF792	ZNF792	850.009402	684.9015569	941.110755
673.7821809				
SWSAP1	SWSAP1	494.7971396	359.1771661	385.8108071
408.976957				
UBE3D	UBE3D	310.4201002	160.2211868	304.4114172
289.3242262				
KCTD21-AS1	KCTD21-AS1	221.8969671	217.7287397	215.6273851
221.8969671	217.7287397			168.1442126
ERICH1-AS1	ERICH1-AS1	1.961520177	1.041678189	0
1.961520177				0
ZNF818P	ZNF818P	19.79188559	20.2477324	176.1795015
73.55700665				
FAM90A25P	FAM90A25P	0	0	0
CMC1	CMC1	1573.975743	1453.435052	1.961520177
1513.312817				1557.73901
TEX19	TEX19	0	0.880336191	0
GPR142	GPR142	0	0	2.942280266
DPP9	DPP9	7013.619245	6180.8404	0.980760089
5273.546997				5492.786231
SRRM2	SRRM2	17857.48919	25549.11695	23870.09234
24301.27348				
ZNF22	ZNF22	1958.354995	2255.421322	2370.61785
2495.053666				
TNFAIP1	TNFAIP1	3008.366609	2558.256972	2543.452171
2680.417322				
TTC3	TTC3	3019.825069	3426.268457	5573.070561
4538.95769				
OTUD7A	OTUD7A	34.37538023	29.93143051	97.01023186
168.6907353				
PIGW	PIGW	1910.437798	1172.607807	2265.802197
1899.732292				
EXOC3L1	EXOC3L1	11.45846008	13.20504287	5.575300681
9.807600887				
FAM101B	FAM101B	1647.934895	2986.100361	1205.380007
1543.71638				
NOD2	NOD2	183.3353612	363.5788471	597.672233
779.7042705				
CR1L	CR1L	4.166712755	3.521344766	0
BST1	BST1	33.33370204	48.41849053	7.846080709
25.49976231				39.02710477
CS	CS	19960.63745	16125.99835	13808.90473
15634.29657				
FAM195A	FAM195A	966.6773591	920.8316562	997.978822
1229.873151				

PGBD4	PGBD4	211.4606723	235.0497631	345.6686422	
322.6700692					
MTPAP	MTPAP	1612.517836	2067.029377	1566.659491	
1345.602842					
DOK4	DOK4	364.587366	410.2366652	792.8077569	
778.7235104					
TMEM183A	TMEM183A		4944.846362	3630.506453	
3815.735786	4008.366482				
RPAP2	RPAP2	2314.608935	1572.280438	2162.101604	
2033.115664					
RHOT2	RHOT2	7094.870143	5996.850136	5211.791077	
7065.395679					
CYB5R1	CYB5R1	1472.932959	833.6783733	2294.79376	
1682.984312					
ZNF57	ZNF57	414.5879191	288.7502708	772.7366744	
475.668643					
ZNF283	ZNF283	141.6682337	84.51227438	305.5264773	
185.3636568					
DNTTIP1	DNTTIP1	4388.590209	3263.406262	3211.373192	
3080.567439					
LOC100132781	LOC100132781	0	1.760672383	3.345180409	
3.923040355					
LM07DN	LM07DN	0	2.641008574	0	0
PRDM5	PRDM5	3.125034566	29.05109432	16.72590204	
10.78836098					
LINC01505	LINC01505	0	4.401680957	5.575300681	
0					
PCAT6	PCAT6	13.54181645	6.16235334	7.805420954	
13.73064124					
STARD7-AS1	STARD7-AS1		1802.103266	1731.621289	
1480.799861	1718.291675				
NS3BP	NS3BP	16.66685102	112.6830325	50.17770613	
80.42232727					
KLHL25	KLHL25	297.919962	440.1680957	473.9005579	
513.9182865					
SNORA10	SNORA10	126.0430608	117.0847135	152.7632387	
140.2486927					
NDFIP1	NDFIP1	4190.671353	6989.86936	6530.907218	
6173.884758					
MCEMP1	MCEMP1	0	5.282017149	0	0
TNFAIP6	TNFAIP6	9.375103698	14.08537906	15.61084191	
2.942280266					
TCHH	TCHH	11.45846008	10.5640343	0	5.884560532
TEP1	TEP1	389.5876426	1231.590332	345.6686422	
589.4368133					
NLRP9	NLRP9	3.125034566	0.880336191	8.92048109	0
USP30-AS1	USP30-AS1		419.79631	349.493468	
824.0294407	578.6484523				
LINC00327	LINC00327	0	3.521344766	0	0
CTAGE7P	CTAGE7P	2.083356377	5.282017149	10.03554123	

15.69216142						
SNAP25-AS1	SNAP25-AS1	0	0	5.575300681	0	
LOC285819	LOC285819	56.25062219		130.2897563		
69.13372845	86.3068878					
MIR5586	MIR5586	2.083356377	2.641008574	1.115060136	0	
MIR5582	MIR5582	1.041678189	0	0		
MIR5581	MIR5581	10.41678189	17.60672383	20.07108245		
34.3266031						
MIR664B	MIR664B	1.041678189	1.760672383	6.690360818		
0.980760089						
MIR4639	MIR4639	0	0	8.92048109	2.942280266	
KDM7A	KDM7A	1383.348635	2057.345679	1396.055291		
1190.642748						
LOC101059948	LOC101059948	0	0	6.690360818		
4.903800443						
MIR4750	MIR4750	6.250069132	7.042689532	18.95602232		
9.807600887						
MINOS1P1	MINOS1P1		25.00027653	42.25613719		
28.99156354	32.36508293					
LYRM9	LYRM9	48.95887487	99.47798963	214.0915462		
147.1140133						
LOC644172	LOC644172	0	0	4.460240545	0	
FSIP2	FSIP2	0	0	3.345180409	0	
ERVFRD-1	ERVFRD-1	1.041678189		15.84605145	0	
0.980760089						
STARD5	STARD5	177.0852921	168.1442126	386.9258673		
333.4584301						
IPMK	IPMK	565.6312565	667.2948331	603.2475337		
698.3011831						
HOXB-AS1	HOXB-AS1		10.41678189	51.0594991		
15.61084191	31.38432284					
LOC100507283	LOC100507283		14.58349464	14.96571525		
54.63794668	31.38432284					
LOC101929505	LOC101929505	0	2.641008574	7.805420954		
0						
WBP2NL	WBP2NL	9.375103698	6.16235334	0	17.6536816	
DTX3L	DTX3L	6899.034644	5808.458191	16047.94548		
8166.789258						
MPLKIP	MPLKIP	1954.188282	1853.107683	1596.766115		
1799.694763						
ZNF616	ZNF616	414.5879191	422.5613719	1005.784243		
757.1467885						
NALCN-AS1	NALCN-AS1	0	0	0	2.942280266	
TRAM2-AS1	TRAM2-AS1	7.291747321		13.20504287		
71.36384872	32.36508293					
HAVCR2	HAVCR2	9857.4007	14524.66682	2249.076295		
6587.765516						
TRIM11	TRIM11	2157.315529	2062.627697	2110.808838		
1870.309489						
COX8C	COX8C	0	0.880336191	15.61084191	0	

RIMS4	RIMS4	0	0	3.345180409	1.961520177
TMEM52	TMEM52	13.54181645		10.5640343	34.56686422
54.92256497					
RPL27A	RPL27A	12223.05187		12199.69894	18668.3368
14878.13055					
RPL26	RPL26	8132.381619		9968.927032	10419.12191
9828.196849					
CPLX4	CPLX4	0	0	5.575300681	0
ENHO	ENHO	0	1.760672383	6.690360818	3.923040355
MED12L	MED12L	33.33370204		175.1869021	27.87650341
46.09572417					
GAPT	GAPT	4.166712755		0	0
KIF7	KIF7	78.12586415		183.990264	23.41626286
95.1337286					
MGAT5	MGAT5	378.1291825		323.0833823	321.1373192
373.6695938					
CEP97	CEP97	1142.720973		1044.078723	769.391494
1112.181941					
LAMTOR1	LAMTOR1	3789.62525		4060.110515	3241.479816
3516.024918					
PAK1IP1	PAK1IP1	2916.698928		2307.361158	3164.540667
2995.241311					
TTC23L	TTC23L	9.375103698		3.521344766	6.690360818
7.846080709					
MIR6829	MIR6829	0	0.880336191	1.115060136	0
MIR6823	MIR6823	0	0.880336191	0	0
SMIM2-AS1	SMIM2-AS1		1.041678189	0	1.115060136
3.923040355					
TPRG1	TPRG1	460.4217594		1182.291505	502.8921215
637.4940576					
GZMH	GZMH	257.2945126		241.2121165	739.2848703
897.3954811					
CCDC137	CCDC137	3423.996206		2411.240828	2763.119018
2587.245114					
NKAIN4	NKAIN4	0	1.760672383	0	0
ZNF32-AS2	ZNF32-AS2		113.5429226		97.71731725
316.6770787	314.8239885				
LINC-ROR	LINC-ROR		0	9.683698106	0
7.846080709					
LOC100288866	LOC100288866		1.041678189		0.880336191
4.460240545	0.980760089				
LOC100507506	LOC100507506		2.083356377		4.401680957
42.37228518	2.942280266				
SIGLEC17P	SIGLEC17P		101.0427843		43.13647338
2.230120273	34.3266031				
ALG14	ALG14	714.5912374		544.9281025	546.3794668
479.5916834					
IMMP1L	IMMP1L	887.5098168		892.6608981	685.7619838
671.8206607					
JAG1	JAG1	14.58349464		14.96571525	144.9578177

25.49976231						
MISP MISP	4.166712755	1.760672383	2.230120273			
2.942280266						
LOC388849	LOC388849	0	0.880336191	0	0	
CXorf38 CXorf38	1940.646466	1548.511361	2410.760015			
1424.063649						
CENPV CENPV	1252.097183	1248.316719	961.1818375			
1478.986214						
VSX2 VSX2	0 0	16.72590204	0			
TMEM44-AS1	TMEM44-AS1	215.6273851	176.0672383			
253.1186509	174.5752958					
RMDN2-AS1	RMDN2-AS1	1.041678189	0.880336191	0		
0						
PGAM1P5 PGAM1P5	0 3.521344766	0	0.980760089			
LOC100996255	LOC100996255	6.250069132	1.760672383			
59.09818722	52.96104479					
FLJ31104	FLJ31104	12.50013826	21.12806859			
21.18614259	12.74988115					
SNORD124	SNORD124	4.166712755	9.683698106			
4.460240545	5.884560532					
SNORD121B	SNORD121B	2.083356377	1.760672383	0		
0.980760089						
LOC729930	LOC729930	1.041678189	0	4.460240545		
0.980760089						
SSTR2 SSTR2	25.00027653	50.17916291	11.15060136			
15.69216142						
FLJ35934	FLJ35934	0	0.880336191	6.690360818		
1.961520177						
DCAF7 DCAF7	11280.33311	13463.86171	9840.405703			
11560.21917						
MUC19 MUC19	0 0	0	4.903800443			
EN04 EN04	0 4.401680957	11.15060136	6.865320621			
LOC100289580	LOC100289580	553.1311182	1291.453193			
381.3505666	542.360329					
PRKXP1 PRKXP1	244.7943743	367.1001918	371.3150254			
370.7273135						
ACSM6 ACSM6	0 0	3.345180409	0			
KLHL17 KLHL17	360.4206533	579.261214	263.1541922			
570.8023716						
BCL6B BCL6B	114.5846008	235.0497631	73.59396899			
29.42280266						
KIAA1147	KIAA1147	1834.39529	1581.964136			
2651.613004	2259.671244					
IL36A IL36A	0 0.880336191	0	0			
ZNF599 ZNF599	106.2511752	123.2470668	185.0999826			
163.7869348						
DNASE1 DNASE1	906.2600242	823.114339	975.6776192			
1048.432535						
F2R F2R	4266.713861	6797.95607	1145.16676			
2603.918035						

SYS1-DBNDD2	SYS1-DBNDD2	766.6751469	576.6202054
1381.559509	893.4724408		
USP32P1 USP32P1	11.45846008	96.83698106	16.72590204
64.73016585			
LINC00885	LINC00885	0	6.16235334
3.923040355			0
MIR2861 MIR2861	1.041678189	5.282017149	4.460240545
8.826840798			
GTF3C2-AS1	GTF3C2-AS1	1989.60534	1462.238414
1525.402266	1783.021841		
AKR1CL1 AKR1CL1	5.208390943	0	0
RBM12B-AS1	RBM12B-AS1	40.62544936	79.23025723
113.7361339	77.480047		
PRORS1P	PRORS1P	40.62544936	53.70050768
78.05420954	54.92256497		
FLJ26850	FLJ26850	3.125034566	0.880336191
10.03554123	0.980760089		
LOC101926987	LOC101926987	15.62517283	15.84605145
57.98312709	21.57672195		
SNORA8 SNORA8	38.54209298	25.52974955	12.2656615
39.23040355			
LOC285626	LOC285626	3.125034566	4.401680957
4.460240545	1.961520177		
SDHAP2 SDHAP2	1669.810136	1654.151704	1262.248074
1555.485501			
SDHAP3 SDHAP3	46.87551849	87.15328295	165.0289002
169.6714953			
DNM1P46 DNM1P46	18.7502074	67.78588674	41.25722504
46.09572417			
DEFB109P1	DEFB109P1	0	0.880336191
CETN4P CETN4P	14.58349464	17.60672383	24.531323
13.73064124			
DANCR DANCR	1359.390036	1107.462929	1119.520377
1009.202131			
ADAT2 ADAT2	905.218346	983.3355258	652.3101797
985.6638891			
ZNF396 ZNF396	29.16698928	15.84605145	35.68192436
67.67244612			
PDIA4 PDIA4	18555.41358	15152.34653	13696.28365
14367.15454			
GSTA1 GSTA1	0	0	0.980760089
DDX12P DDX12P	706.2578119	989.4978792	401.4216491
560.0140106			
FAM66D FAM66D	15.62517283	16.72638764	10.03554123
21.57672195			
FAM66E FAM66E	0	0	2.942280266
FAM66B FAM66B	28.12531109	27.29042193	41.25722504
50.99952461			
PITHD1 PITHD1	3498.997036	2626.923195	4227.192977
3145.297604			

TMEM229B	TMEM229B	275.0030418	77.46958485
1262.248074	689.4743423		
C20orf196	C20orf196	820.8424127	690.1835741
734.8246298	774.80047		
BPTF BPTF	1403.14052	2624.282187	1805.282361
1487.813055			
UAP1L1 UAP1L1	986.4692447	924.353001	1277.858916
929.7605641			
WDR53 WDR53	1613.559514	1081.933179	1501.986004
1162.200705			
USP17L7 USP17L7	0 0	5.575300681	0
TMED10 TMED10	15804.34148	14343.31757	17323.57428
14633.92128			
TMEM61 TMEM61	5.208390943	0.880336191	3.345180409
4.903800443			
NEFL NEFL	16.66685102	0 230.8174482	146.1332532
UBALD2 UBALD2	283.3364673	1718.416246	226.3572077
253.0361029			
NRADDP NRADDP	1.041678189	6.16235334	11.15060136
5.884560532			
CROCCP3 CROCCP3	75.00082959	79.23025723	105.9307129
90.22992816			
RRN3P1 RRN3P1	87.50096785	491.2275948	157.2234792
425.6498785			
ANKRD18DP	ANKRD18DP	6.250069132	4.401680957
35.68192436	15.69216142		
EP400NL EP400NL	130.2097736	161.101523	78.05420954
141.2294528			
MIR155 MIR155	384.3792516	226.2464012	1640.25346
1183.777427			
LOC729603	LOC729603	13.54181645	56.34151625
40.14216491	32.36508293		
HNRNPA3 HNRNPA3	5835.481213	7924.786395	5894.20788
6004.213263			
MIR3606 MIR3606	2.083356377	0 0	0
SCARNA17	SCARNA17	30.20866747	27.29042193
206.2861252	107.8836098		
RRN3P2 RRN3P2	523.9641289	386.467588	646.734879
499.2068851			
DPY19L2P1	DPY19L2P1	0 0	2.230120273
0.980760089			
RECQL4 RECQL4	4259.422114	5377.973793	2127.53474
4174.114937			
PIN4P1 PIN4P1	94.79271517	138.2127821	62.44336763
48.05724434			
LOC344967	LOC344967	91.66768061	114.4437049
79.16926967	68.65320621		
LOC100507377	LOC100507377	0 1.760672383	0
1.961520177			
SCARNA12	SCARNA12	160.4184411	93.31563629

152.7632387	152.9985738				
MIR223	MIR223	1.041678189	0	0	0
MIR941-1	MIR941-1		0	0.880336191	0
0.980760089					
FLJ45079	FLJ45079		0	3.521344766	0
CRIPAK	CRIPAK	94.79271517	24.64941336	68.01866831	0
50.99952461					
PDE12	PDE12	5251.099749	4146.383462	4008.64119	
3889.694512					
PIWIL4	PIWIL4	16.66685102	7.042689532	75.82408927	
52.96104479					
P4HTM	P4HTM	1768.769564	1560.836067	1739.493813	
2191.018038					
TMEM37	TMEM37	0	0	5.884560532	
SLC25A16	SLC25A16		625.0069132	732.4397113	
453.8294755	432.5151991				
LINC00574	LINC00574		4.166712755	5.282017149	
2.230120273	9.807600887				
P2RY6	P2RY6	0	0.880336191	0	0
LOC101928580	LOC101928580		0	0	5.575300681
LOC389906	LOC389906		715.6329156	368.8608642	0
948.916176	374.6503539				
LOC643201	LOC643201		1.041678189	0.880336191	0
4.903800443					
LINC00884	LINC00884		76.04250777	91.55496391	
41.25722504	48.05724434				
TUSC5	TUSC5	42.70880574	22.00840479	2.230120273	
4.903800443					
NMUR1	NMUR1	27.08363291	55.46118006	0	12.74988115
CTR9	CTR9	10302.19729	9116.761599	10423.58215	
10888.3985					
POLH	POLH	3988.585785	3431.550474	3539.200873	
2549.976231					
SRMS	SRMS	0	0.880336191	0	1.961520177
FLJ40288	FLJ40288		0	0	2.942280266
C19orf70	C19orf70		2017.730652	1641.826997	
2187.747987	2003.692861				
C15orf52	C15orf52		0	17.60672383	12.2656615
15.69216142					
GPR153	GPR153	89.58432423	41.375801	42.37228518	
45.11496408					
KIAA1211L	KIAA1211L		23.95859834	14.08537906	
57.98312709	34.3266031				
LINC00381	LINC00381		0	0	1.115060136
1.961520177					
NLRP12	NLRP12	0	0	2.230120273	0
DNAH11	DNAH11	1298.972701	1132.112342	848.5607637	
771.8581898					
SNORD46	SNORD46	28.12531109	26.41008574	42.37228518	
52.96104479					

SNORD55	SNORD55	85.41761147	44.01680957	89.2048109
77.480047				
SNORA68	SNORA68	65.62572589	27.29042193	59.09818722
40.21116364				
MFSD8	MFSD8	1450.016039	1015.027629	1314.655901
1401.506167				
CATSPERD	CATSPERD		4.166712755	3.521344766
3.345180409	5.884560532			
TMEM110	TMEM110	4426.090624	3391.055009	3390.897874
3143.336084				
LHFPL4	LHFPL4	30.20866747	14.08537906	36.7969845
23.53824213				
STK32C	STK32C	301.0449965	172.5458935	409.22707
520.7836071				
PGBD5	PGBD5	4.166712755	10.5640343	3.345180409
4.903800443				
GPR1-AS	GPR1-AS	0	0.880336191	0
OGFR-AS1	OGFR-AS1		4.166712755	18.48706002
6.690360818	10.78836098			
OSGEPL1-AS1	OSGEPL1-AS1		23.95859834	29.93143051
36.7969845	33.34584301			
CDC42P3	CDC42P3	0	0	12.2656615
LOC101409256	LOC101409256		5.208390943	4.401680957
25.64638313	0.980760089			
SHC2	SHC2	0	1.760672383	0
C2orf69	C2orf69	1972.938489	1795.885831	5.884560532
1892.866971				1966.96608
SPATA24	SPATA24	248.9610871	280.8272451	126.0017954
110.82589				
ZFP36L2	ZFP36L2	3066.700588	5210.709917	7904.661306
8439.440563				
DAZAP1	DAZAP1	835.4259073	1563.477076	537.4589857
687.5128222				
RAB15	RAB15	661.4656498	1032.634353	648.9649993
1466.236333				
LINC00506	LINC00506		1.041678189	0
0.980760089				0
LAMTOR5-AS1	LAMTOR5-AS1		26.04195472	36.09378385
23.41626286	42.17268381			
LOC387810	LOC387810		2.083356377	0
TMIGD1	TMIGD1	0	0	0
LINC00911	LINC00911	0	0	0
PGBD3	PGBD3	389.5876426	248.254806	0.980760089
355.0351521				421.4927315
C16orf74	C16orf74		10.41678189	34.33311147
6.690360818	19.61520177			
EFNB2	EFNB2	1.041678189	8.803361914	21.18614259
1.961520177				
FABP3	FABP3	17.70852921	18.48706002	13.38072164
10.78836098				

DEGS2	DEGS2	7.291747321	2.641008574	14.49578177	
12.74988115					
RPS6KA2-IT1	RPS6KA2-IT1	0	0	3.345180409	0
LOC100506639	LOC100506639	209.3773159		154.0588335	
478.3607985	298.151067				
LOC101928093	LOC101928093	0	0	3.345180409	0
XYLT1	XYLT1	302.0866747	625.0386959	210.7463658	
333.4584301					
EFTUD1P1	EFTUD1P1		6.250069132	7.042689532	
1.115060136	5.884560532				
SH2D1B	SH2D1B	0	0	13.38072164	2.942280266
SLC5A8	SLC5A8	0	0	1.115060136	5.884560532
CCDC57	CCDC57	561.4645437	494.7489396	531.883685	
626.7056967					
MIR8075	MIR8075	0	0.880336191	4.460240545	0
MIR6882	MIR6882	28.12531109	14.08537906	4.460240545	
15.69216142					
MIR6880	MIR6880	0	2.641008574	3.345180409	0
MIR6877	MIR6877	5.208390943	6.16235334	6.690360818	
4.903800443					
MIR6875	MIR6875	4.166712755	1.760672383	0	0
MIR6874	MIR6874	0	0	1.961520177	
MIR6871	MIR6871	4.166712755	17.60672383	2.230120273	
12.74988115					
MIR6870	MIR6870	0	0.880336191	0	0
MIR6869	MIR6869	10.41678189	30.8117667	13.38072164	
6.865320621					
MIR6868	MIR6868	0	2.641008574	4.460240545	0.980760089
RAB39B	RAB39B	998.969383	983.3355258	883.1276279	
1134.739423					
LCE3E	LCE3E	2.083356377	0	0	0
LOC100505625	LOC100505625		2.083356377	0	0
LOC101559451	LOC101559451		15.62517283	22.00840479	0
13.38072164	23.53824213				
HKR1	HKR1	758.3417214	638.2437388	1668.129964	
1192.604268					
ARL10	ARL10	73.9591514	99.47798963	42.37228518	
194.1904976					
RNF216-IT1	RNF216-IT1		1.041678189	4.401680957	
4.460240545	5.884560532				
GLUD1P3	GLUD1P3	119.7929917	181.3492554	140.4975772	
183.4021366					
SAPCD2	SAPCD2	2033.355824	2935.921198	909.8890712	
1196.527308					
EIF2AK4	EIF2AK4	2166.690632	2574.98336	1820.893203	
2642.167679					
ZNF878	ZNF878	25.00027653	18.48706002	23.41626286	
81.40308736					
PLIN4	PLIN4	55.208944	115.3240411	52.4078264	
81.40308736					

LRRRC26	LRRRC26	1.041678189	7.042689532	1.115060136	
2.942280266					
SLX4IP	SLX4IP	376.0458261	245.6137974	324.4824997	
200.0750581					
ASB16-AS1	ASB16-AS1		638.5487297	680.499876	
557.5300681	651.2246989				
TAF1A-AS1	TAF1A-AS1		13.54181645	27.29042193	
64.6734879	42.17268381				
TP53TG3D	TP53TG3D		0	0	41.25722504
16.67292151					
LOC101929372	LOC101929372		1.041678189	13.20504287	
3.345180409	2.942280266				
MIR5703	MIR5703	129.1680954	101.238662	83.62951022	
113.7681703					
MIR5695	MIR5695	0	0.880336191	0	
MIR5694	MIR5694	0	0	2.230120273	0
MIR5690	MIR5690	7.291747321	3.521344766	5.575300681	
14.71140133					
MIR5687	MIR5687	0	0	3.345180409	0
C10orf115	C10orf115		1.041678189	1.760672383	0
0.980760089					
STAG3L5P	STAG3L5P		330.2119858	320.4423737	
380.2355065	421.7268381				
ST3GAL6-AS1	ST3GAL6-AS1		0	0	2.942280266
MIR5587	MIR5587	2.083356377	3.521344766	0	0
C3orf67	C3orf67	52.08390943	56.34151625	31.22168382	
83.36460754					
KANK3	KANK3	175.0019357	214.8020307	120.4264947	
161.8254146					
MMS22L	MMS22L	1936.479753	2729.92253	1235.486631	
1670.234431					
KLHL6-AS1	KLHL6-AS1		3.125034566	16.72638764	
7.805420954	15.69216142				
C16orf3	C16orf3	0	0	1.961520177	
KLHDC8B	KLHDC8B	63.54236951	74.82857627	108.1608332	
161.8254146					
KLRG2	KLRG2	13.54181645	4.401680957	0	10.78836098
SLC25A42	SLC25A42		1004.177774	1165.565117	
996.8637618	1211.23871				
ZNF33BP1	ZNF33BP1		0	0	6.865320621
KIAA1024L	KIAA1024L		0	1.760672383	0
0.980760089					
ALG1L9P	ALG1L9P	70.83411683	67.78588674	121.5415549	
115.7296905					
DIAPH3-AS2	DIAPH3-AS2		7.291747321	3.521344766	0
2.942280266					
ANKRD20A19P	ANKRD20A19P		1.041678189	0	3.345180409
0.980760089					
CNKSR3	CNKSR3	8.33342551	5.282017149	21.18614259	
9.807600887					

NUDT18	NUDT18	625.0069132	558.1331454	603.2475337	
610.0327752					
NARR	NARR	435.4214829	197.1953069	212.976486	
128.4795716					
ZC3H6	ZC3H6	100.0011061	203.3576602	476.1306782	
277.5551051					
LOC100996342	LOC100996342	0	0	6.690360818	0
MANEA-AS1	MANEA-AS1	46.87551849		116.2043773	
124.8867353	77.480047				
LINC00539	LINC00539	337.5037331		589.8252483	
95.89517172	176.536816				
FRY-AS1	FRY-AS1	7.291747321	5.282017149	4.460240545	
11.76912106					
FT0-IT1	FT0-IT1	31.25034566	17.60672383	55.75300681	
31.38432284					
MYCBP2-AS1	MYCBP2-AS1	104.1678189		118.8453858	
137.1523968	105.9220896				
LOC100996385	LOC100996385	0	0	3.345180409	
1.961520177					
PRRT3-AS1	PRRT3-AS1	89.58432423		83.63193819	
110.3909535	94.15296851				
ZNF598	ZNF598	854.1761147	1686.724143	1023.625205	
960.1641268					
HS6ST2	HS6ST2	0	64.26454197	0	35.30736319
LOC100128885	LOC100128885	0	0	1.115060136	
0.980760089					
CRYBG3	CRYBG3	2033.355824	1419.982277	1006.899303	
1017.048212					
HIF1A-AS1	HIF1A-AS1	1479.183028		1710.49322	
2159.871484	3271.815656				
RPS6KA2-AS1	RPS6KA2-AS1	0	1.760672383	1.115060136	
3.923040355					
ITPKB-IT1	ITPKB-IT1	7.291747321		8.803361914	
12.2656615	14.71140133				
OXCT1-AS1	OXCT1-AS1	884.3847822		724.5166856	
467.2101971	611.9942953				
ZNF350-AS1	ZNF350-AS1	5.208390943		0.880336191	0
4.903800443					
NPTN-IT1	NPTN-IT1	62.50069132		63.38420578	
32.33674395	92.19144833				
SGOL1-AS1	SGOL1-AS1	1059.386718		846.8834162	
413.6873106	546.2833694				
LOC101241902	LOC101241902	8.33342551		8.803361914	0
0.980760089					
LINC00398	LINC00398	4.166712755		1.760672383	
21.18614259	6.865320621				
RNF219-AS1	RNF219-AS1	1181.263066		1065.206792	
1427.276974	1248.507593				
HM13-AS1	HM13-AS1	33.33370204		29.93143051	
28.99156354	14.71140133				

CCKBR	CCKBR	0	1.760672383	0	4.903800443		
MRPL21	MRPL21	2914.615572		2660.375971	2339.396166		
		2319.49761					
ACKR3	ACKR3	78.12586415		47.53815434	118.1963744		
		78.46080709					
SMG8	SMG8	3556.289336		2506.317137	3378.632213		
		3013.875752					
SOX21-AS1	SOX21-AS1			5.208390943	0	0	0
EMC3-AS1	EMC3-AS1			239.5859834	311.6390118		
		151.6481785		179.4790962			
ADAMTSL4-AS1	ADAMTSL4-AS1			26.04195472	60.74319721		
		84.74457036		82.38384745			
LINC00545	LINC00545			0	0	1.115060136	0
INTS6-AS1	INTS6-AS1			103.1261407	183.1099278		
		73.59396899		175.5560559			
LINC00540	LINC00540			86.45928966	91.55496391		
		286.570455		340.3237508			
LOC101929181	LOC101929181			0	0.880336191	0	0
LOC102546226	LOC102546226			1.041678189	0.880336191		0
		5.884560532					
YWHAEP1	YWHAEP1	2.083356377		0.880336191	0	0.980760089	
MIR642A	MIR642A	1.041678189		0	0	0	
KRT16P2	KRT16P2	0	0	0	0.980760089		
LINC01271	LINC01271			31.25034566	14.08537906		
		6.690360818		2.942280266			
OSMR-AS1	OSMR-AS1			0	0	0	0.980760089
LINC01431	LINC01431			5.208390943	14.96571525		
		6.690360818		1.961520177			
SNCA-AS1	SNCA-AS1			0	0.880336191	0	0
CCDC182	CCDC182	0	0	0	0.980760089		
CCL3L1	CCL3L1	52.08390943		92.4353001	117.0813143		
		257.9399033					
PACS1	PACS1	2158.357207		4534.611722	3403.163536		
		4422.24724					
GLDN	GLDN	0	0	2.230120273	0		
LOC100101148	LOC100101148			20.83356377	40.49546481		
		52.4078264		38.24964346			
NUDT4P2	NUDT4P2	5664.64599		4216.810357	5317.72179		
		4844.954838					
TVP23B	TVP23B	3198.993717		1790.603813	4308.592367		
		2797.127773					
ZNF253	ZNF253	871.8846439		495.6292758	1683.740806		
		1197.508068					
KRTAP5-8	KRTAP5-8			0	0	0	0.980760089
MEX3B	MEX3B	0	4.401680957	15.61084191	7.846080709		
ANKRD61	ANKRD61	39.58377117		47.53815434	79.16926967		
		26.48052239					
LOC441155	LOC441155			19.79188559	9.683698106		
		23.41626286		10.78836098			
DGCR6	DGCR6	77.08418596		58.98252483	162.7987799		

157.9023743					
MST1L	MST1L	1.041678189	3.521344766	12.2656615	
4.903800443					
DDX51	DDX51	2376.067948	1674.399436	1874.416089	
1823.233005					
AAMDC	AAMDC	475.005254	420.8006995	401.4216491	
313.8432284					
PFN4	PFN4	2.083356377	3.521344766	7.805420954	
10.78836098					
XRCC2	XRCC2	831.2591946	1558.195059	576.4860904	
1277.930396					
MTDH	MTDH	6862.575907	7249.568536	7072.826444	
5757.06172					
LOC220729	LOC220729		681.2575354	786.140219	
652.3101797	645.3401383				
LOC101927204	LOC101927204		289.5865365	284.3485898	
240.8529894	324.6315893				
LOC101060385	LOC101060385	0	0	0	0.980760089
LOC101927501	LOC101927501	2.083356377	0	0	72.47890886
0					
LOC101928259	LOC101928259	2.083356377	3.521344766		
5.575300681	4.903800443				
AADACL2-AS1	AADACL2-AS1	0	0	1.115060136	0
LINC01473	LINC01473	5.208390943	3.521344766		
10.03554123	6.865320621				
LINC01213	LINC01213	0	0	4.460240545	0
LOC101929241	LOC101929241	78.12586415	70.42689532		
103.7005927	132.402612				
NUTM2B	NUTM2B	0	0.880336191	0	
MIR6780A	MIR6780A	3.125034566	4.401680957		
5.575300681	0				
MIR6779	MIR6779	16.66685102	19.36739621	5.575300681	
17.6536816					
MIR6778	MIR6778	37.50041479	34.33311147	11.15060136	
21.57672195					
MIR6777	MIR6777	2.083356377	10.5640343	1.115060136	
9.807600887					
MIR6776	MIR6776	6.250069132	7.923025723	0	5.884560532
MIR6775	MIR6775	47.91719668	75.70891246	39.02710477	
50.01876452					
MIR6774	MIR6774	2.083356377	4.401680957	11.15060136	
31.38432284					
MROH2A	MROH2A	0	1.760672383	0	
MIR7846	MIR7846	1641.684825	969.2501468	427.0680322	
714.9741046					
MIR6830	MIR6830	2.083356377	0	0	1.961520177
LOC728323	LOC728323		95.83439336	147.016144	
166.1439603	152.9985738				
FUT1	FUT1	14.58349464	7.923025723	0	4.903800443
LOC101927142	LOC101927142	0	0.880336191	0	

6.865320621					
LINC01494	LINC01494	0	0	1.115060136	
2.942280266					
NCK1-AS1	NCK1-AS1	340.6287677		382.0659071	
168.3740806	289.3242262				
AIM1	AIM1	4377.131749	6435.257559	4674.332091	
5020.510894					
C1orf189	C1orf189	12.50013826		4.401680957	
7.805420954	1.961520177				
GTPBP1	GTPBP1	3924.001737	4540.774075	4968.707967	
4682.148663					
C12orf40	C12orf40	3.125034566		5.282017149	
13.38072164	5.884560532				
ACER2	ACER2	37.50041479	29.93143051	97.01023186	
22.55748204					
ZNF391	ZNF391	39.58377117	36.97412004	75.82408927	
92.19144833					
LINC01289	LINC01289	0	0	1.115060136	
4.903800443					
CHKB-CPT1B	CHKB-CPT1B	2259.399991		3856.752855	
2485.469044	3564.082162				
GBP7	GBP7	20.83356377	0.880336191	80.28432981	
3.923040355					
TMEM41A	TMEM41A	1495.849879	1355.717735	1431.737215	
1172.989066					
GFM1	GFM1	9290.727765	5695.775159	8340.649819	
7275.278338					
MARK2P9	MARK2P9	2.083356377	0.880336191	0	0
NTRK3-AS1	NTRK3-AS1	0	0	0	6.865320621
FBXL14	FBXL14	1539.600363	1699.048849	1887.796811	
1847.752007					
AMDHD1	AMDHD1	39.58377117	7.042689532	41.25722504	
50.01876452					
BANCR	BANCR	0	0	3.345180409	0
LOC100506606	LOC100506606	272.9196854		205.1183326	
175.0644414	173.5945357				
FRG2	FRG2	0	0	0	0.980760089
MAGOH2	MAGOH2	1.041678189	0	1.115060136	0
AKAP10	AKAP10	3286.494685	2819.716821	3280.506921	
3136.470764					
PRSS46	PRSS46	0	0	2.942280266	
FAM83C	FAM83C	3.125034566	10.5640343	10.03554123	0
DNAAF1	DNAAF1	25.00027653	44.89714576	35.68192436	
40.21116364					
3-Mar	3-Mar	391.670999	254.4171593	423.7228518	
272.6513047					
NAT8L	NAT8L	0	8.803361914	0	0
HSP90B2P	HSP90B2P	15.62517283		14.08537906	
14.49578177	7.846080709				
CNTNAP3B	CNTNAP3B	0	0	0	1.961520177

LINC00618	LINC00618	5.208390943	13.20504287	
7.805420954	6.865320621			
AARD AARD	59.37565676	82.751602	1.115060136	
18.63444168				
CYP2A6 CYP2A6	1.041678189	0 0	0	
CHRN2 CHRN2	5.208390943	8.803361914	18.95602232	
10.78836098				
LOC101929340	LOC101929340	2.083356377	5.282017149	
6.690360818	5.884560532			
ZNF827 ZNF827	126.0430608	229.767746	491.7415201	
291.2857463				
LOC339539	LOC339539	1.041678189	2.641008574	0
0.980760089				
LOC388780	LOC388780	3.125034566	2.641008574	
4.460240545	9.807600887			
COL20A1 COL20A1	0 0	0 1.961520177		
IL21-AS1	IL21-AS1	156.2517283	261.4598489	
471.6704376	927.7990439			
LINC01111	LINC01111	0 0	1.115060136	0
LINC01100	LINC01100	2.083356377	5.282017149	0
0				
LINC01057	LINC01057	3.125034566	0 0	
6.865320621				
NBPF25P NBPF25P	740.6331922	804.627279	1139.591459	
803.2425126				
ARMC2-AS1	ARMC2-AS1	1.041678189	3.521344766	
3.345180409	6.865320621			
NPC2 NPC2	1271.889068	1775.638098	2718.516612	
1411.313768				
AHCTF1P1	AHCTF1P1	23.95859834	44.01680957	
35.68192436	29.42280266			
FAM87B FAM87B	18.7502074	15.84605145	25.64638313	
20.59596186				
LINC00337	LINC00337	40.62544936	88.03361914	
5.575300681	40.21116364			
ZNF433 ZNF433	37.50041479	67.78588674	157.2234792	
201.0558182				
ZNF99 ZNF99	0 0	2.230120273	0.980760089	
IRAK1BP1	IRAK1BP1	190.6271085	253.5368231	
134.9222765	230.4786208			
GBP3 GBP3	1103.137202	692.8245827	1614.607077	
872.8764789				
LGR4 LGR4	17.70852921	41.375801	5.575300681	
28.44204257				
ADI1 ADI1	7201.121318	5664.963392	5318.83685	
4619.380018				
WDR41 WDR41	1659.393355	1705.211203	1294.584818	
1846.771247				
DISC1FP1	DISC1FP1	4.166712755	2.641008574	
13.38072164	1.961520177			

LOC100506688	LOC100506688	351.0455496	222.7250564
55.75300681	66.69168603		
LOC100996447	LOC100996447	21.87524196	100.3583258
40.14216491	46.09572417		
LOC103021295	LOC103021295	1939.604787	2547.692938
1471.87938	1876.19405		
RALGAPA1P	RALGAPA1P	1442.724291	1380.367148
1949.125118	1311.276239		
RPL24 RPL24	7675.084894	8381.680879	9183.635282
8051.059568			
LOC440311	LOC440311	3.125034566	2.641008574
3.345180409	0		
SRGAP2-AS1	SRGAP2-AS1	4.166712755	0 0
13.73064124			
LOC102288414	LOC102288414	5700.063049	4660.499797
4412.292959	4404.593558		
CPTP CPTP	1177.096353	1196.376884	885.3577482
784.6080709			
PLEKHG1 PLEKHG1	92.70935879	169.9048849	233.0475685
372.6888337			
RPA1 RPA1	15581.42235	13402.23818	13489.99753
13192.20395			
DCUN1D3 DCUN1D3	280.2114328	260.5795127	270.9596131
174.5752958			
TRIL TRIL	2.083356377	57.22185244	0 12.74988115
CCAT1 CCAT1	1.041678189	0 0	5.884560532
MIR6890 MIR6890	6.250069132	9.683698106	11.15060136
15.69216142			
MIR7703 MIR7703	10756.36898	6523.291179	9019.721442
8051.059568			
DNAH17-AS1	DNAH17-AS1	3.125034566	0 7.805420954
0.980760089			
PYCARDOS	PYCARDOS	1003.136096	959.5664487
259.8090118	433.4959592		
TAS2R42 TAS2R42	0 1.760672383	0	0
LOC100507642	LOC100507642	70.83411683	38.73479242
95.89517172	84.34536763		
CD81-AS1	CD81-AS1	575.0063602	288.7502708
457.1746559	151.0370537		
LOC102467073	LOC102467073	19.79188559	12.32470668
18.95602232	10.78836098		
LOC101928370	LOC101928370	537.5059454	465.6978453
231.9325083	426.6306386		
ZNF852 ZNF852	139.5848773	140.8537906	201.8258847
158.8831344			
LINC01108	LINC01108	0 2.641008574	0
1.961520177			
FLJ31356	FLJ31356	0 1.760672383	8.92048109
0			
LOC100287098	LOC100287098	359.3789751	494.7489396

245.31323	384.4579548				
MIR6719	MIR6719	0	0.880336191	17.84096218	1.961520177
TMEM183B	TMEM183B		4799.011415	3516.062749	
3635.096044	3820.060545				
CCNK	CCNK	577.0897165	836.3193819	835.1800421	
539.4180488					
LOC101593348	LOC101593348		18.7502074	21.12806859	
46.83252572	7.846080709				
MIR6069	MIR6069	0	0	2.230120273	0
MIR1199	MIR1199	1.041678189	1.760672383	0	2.942280266
LOC102546298	LOC102546298	0	0	2.230120273	
2.942280266					
ACTG1P4	ACTG1P4	0	0.880336191	0	0.980760089
LINC00850	LINC00850		1.041678189	0	0
MIR6755	MIR6755	21.87524196	20.2477324	11.15060136	0
17.6536816					
MIR6754	MIR6754	7.291747321	1.760672383	4.460240545	
12.74988115					
MIR6753	MIR6753	45.8338403	42.25613719	22.30120273	
35.30736319					
MIR6741	MIR6741	9.375103698	15.84605145	23.41626286	
14.71140133					
NEXN-AS1	NEXN-AS1		2.083356377	0	3.345180409
0.980760089					
MIR6084	MIR6084	46.87551849	41.375801	134.9222765	
63.74940576					
MIR6080	MIR6080	0	3.521344766	0	0
MIR6739	MIR6739	7.291747321	15.84605145	3.345180409	
10.78836098					
MIR6748	MIR6748	39.58377117	37.85445623	54.63794668	
33.34584301					
MIR6738	MIR6738	1.041678189	4.401680957	0	0
MIR6747	MIR6747	84.37593328	57.22185244	84.74457036	
76.49928692					
MIR6737	MIR6737	4.166712755	7.923025723	4.460240545	
3.923040355					
MIR6746	MIR6746	1.041678189	0.880336191	0	2.942280266
MIR6736	MIR6736	1.041678189	2.641008574	3.345180409	
0.980760089					
MIR6734	MIR6734	3.125034566	4.401680957	7.805420954	
9.807600887					
MESP2	MESP2	6.250069132	4.401680957	0	0
MIR6743	MIR6743	7.291747321	3.521344766	7.805420954	
7.846080709					
MIR6733	MIR6733	63.54236951	30.8117667	78.05420954	
54.92256497					
MIR6731	MIR6731	20.83356377	29.05109432	32.33674395	
12.74988115					
MIR6732	MIR6732	26.04195472	14.96571525	22.30120273	
28.44204257					

MIR6742	MIR6742	6.250069132	7.923025723	8.92048109
2.942280266				
MIR6729	MIR6729	5.208390943	3.521344766	3.345180409
0.980760089				
MIR6728	MIR6728	394.7960335	215.6823669	264.2692523
345.2275512				
MIR6727	MIR6727	16.66685102	27.29042193	11.15060136
8.826840798				
MIR6726	MIR6726	1.041678189	0	3.345180409
				1.961520177
MIR6723	MIR6723	0	2.641008574	1.115060136
				1.961520177
IP05P1	IP05P1	180.2103266	444.5697767	438.2186336
419.765318				
FSBP	FSBP	193.7521431	345.091787	364.6246646
316.7855086				
MIR6751	MIR6751	0	1.760672383	2.230120273
				1.961520177
MIR6752	MIR6752	34.37538023	21.12806859	32.33674395
32.36508293				
MIR6740	MIR6740	3.125034566	3.521344766	5.575300681
3.923040355				
MIR6750	MIR6750	0	0	2.230120273
				0.980760089
MIR6749	MIR6749	0	1.760672383	0
				0
C9orf85	C9orf85	508.3389561	453.3731386	433.758393
463.8995219				
MYLK3	MYLK3	5.208390943	10.5640343	6.690360818
6.865320621				
MIR6828	MIR6828	3.125034566	0	0
				0
MIR6807	MIR6807	55.208944	45.77748195	44.60240545
50.99952461				
MIR6806	MIR6806	1.041678189	0	2.230120273
				0
MIR6805	MIR6805	4.166712755	13.20504287	11.15060136
9.807600887				
MIR6826	MIR6826	59.37565676	33.45277527	44.60240545
62.76864567				
MIR6825	MIR6825	48.95887487	16.72638764	50.17770613
24.51900222				
MIR6821	MIR6821	119.7929917	118.8453858	88.08975076
156.9216142				
MIR6820	MIR6820	21.87524196	19.36739621	30.10662368
31.38432284				
MIR6819	MIR6819	44.79216211	72.1875677	11.15060136
34.3266031				
MIR6818	MIR6818	1.041678189	0	0
				0
MIR6817	MIR6817	15.62517283	8.803361914	15.61084191
11.76912106				
MIR6816	MIR6816	15.62517283	21.12806859	8.92048109
11.76912106				
MIR6815	MIR6815	0	4.401680957	2.230120273
				2.942280266
MIR6813	MIR6813	2.083356377	6.16235334	1.115060136
3.923040355				
MIR6812	MIR6812	0	1.760672383	4.460240545
				0.980760089

GOLGA80	GOLGA80	1.041678189	0.880336191	0	2.942280266
MAGEB17	MAGEB17	0	0	3.923040355	
TMEM255B	TMEM255B	1.041678189	0	0	0
SMARCA5-AS1	SMARCA5-AS1	1095.845455	1250.957728		
986.8282206	1034.701894				
CYTH3	CYTH3	54.16726581	47.53815434	683.5318635	
421.7268381					
C1orf233	C1orf233		58.33397857	66.90555055	
46.83252572	159.8638945				
POT1	POT1	8.33342551	0	1.115060136	0.980760089
RDH12	RDH12	8.33342551	4.401680957	6.690360818	0
MIR6850	MIR6850	92.70935879	104.7600068	110.3909535	
129.4603317					
MIR7856	MIR7856	1.041678189	1.760672383	0	0
MIR7855	MIR7855	0	1.115060136	0	
TPSD1	TPSD1	1.041678189	0	0	0
LOC101929680	LOC101929680		2.083356377	11.44437049	
1.115060136	0.980760089				
CD38	CD38	7726.127126	6973.142972	2281.413039	
2128.249392					
NTSR1	NTSR1	1.041678189	0	0	0
NMI	NMI	4557.342076	3347.0382	5937.695226	
3632.735368					
MIR6842	MIR6842	23.95859834	14.96571525	14.49578177	
15.69216142					
LINC01215	LINC01215		47.91719668	135.5717735	
147.187938	155.9408541				
MIR6851	MIR6851	1.041678189	0.880336191	2.230120273	
1.961520177					
MIR6849	MIR6849	9.375103698	14.08537906	13.38072164	
20.59596186					
MIR6839	MIR6839	0	1.760672383	7.805420954	0
MIR6848	MIR6848	168.7518666	166.3835402	153.8782988	
168.6907353					
ERI3-IT1	ERI3-IT1		41.66712755	29.05109432	
66.90360818	44.13420399				
MIR6836	MIR6836	12.50013826	7.042689532	0	4.903800443
MIR6837	MIR6837	52.08390943	34.33311147	47.94758586	
38.24964346					
MIR6862-1	MIR6862-1		6.250069132	4.401680957	
5.575300681	12.74988115				
MIR8055	MIR8055	9.375103698	8.803361914	7.805420954	
7.846080709					
MIR6769B	MIR6769B		7.291747321	7.042689532	
6.690360818	6.865320621				
HIST1H2BF	HIST1H2BF		80.20922053	895.3019067	
86.97469063	89.24916807				
MIR8071-1	MIR8071-1		0	0	12.74988115
MIR6878	MIR6878	16.66685102	7.923025723	16.72590204	
11.76912106					

MIR6879	MIR6879	16.66685102	19.36739621	22.30120273	
37.26888337					
MIR8072	MIR8072	169.7935448	133.8111011	182.8698623	
124.5565313					
MIR6883	MIR6883	0	0.880336191	3.345180409	0
MIR6867	MIR6867	0	0	3.345180409	0
MIR6866	MIR6866	9.375103698	18.48706002	31.22168382	
24.51900222					
TTLL13	TTLL13	25.00027653	32.57243908	35.68192436	
43.1534439					
LOC101928682	LOC101928682	0	0	2.230120273	
3.923040355					
LINC00501	LINC00501	0	1.041678189	3.521344766	0
0					
LOC102467146	LOC102467146	9.375103698	9.683698106		
1.115060136	3.923040355				
LINC01206	LINC01206	0	0	1.115060136	0
ABHD5	ABHD5	1495.849879	1408.537906	937.7655746	
915.0491627					
LOC100507389	LOC100507389	0	0	0	2.942280266
OPLAH	OPLAH	27.08363291	47.53815434	35.68192436	
87.28764789					
MIR7107	MIR7107	6.250069132	22.88874098	12.2656615	
8.826840798					
MIR7106	MIR7106	2.083356377	2.641008574	5.575300681	
0.980760089					
PARGP1	PARGP1	241.6693398	220.0840479	235.2776888	
288.3434661					
MRPL45	MRPL45	3641.706948	2270.387038	2743.047935	
2547.03395					
MIR6862-2	MIR6862-2	6.250069132	4.401680957		
5.575300681	12.74988115				
MIR7108	MIR7108	7.291747321	4.401680957	3.345180409	
6.865320621					
MIR7112	MIR7112	13.54181645	8.803361914	10.03554123	
15.69216142					
MIR8071-2	MIR8071-2	0	0	0	12.74988115
LINC01208	LINC01208	0	0	0	0.980760089
LINC00867	LINC00867	1.041678189	0	0	0
MIR6859-2	MIR6859-2	9.375103698	7.042689532		
6.690360818	8.826840798				
LOC644919	LOC644919	2.083356377	0	6.690360818	
5.884560532					
LOC101927100	LOC101927100	53.12558762	80.99092961		
36.7969845	47.07648426				
VIM-AS1	VIM-AS1	9901.151184	8664.268796	4871.697735	
4324.171231					
RNF139-AS1	RNF139-AS1	18.7502074	53.70050768		
53.52288654	35.30736319				
HERC2P4	HERC2P4	17.70852921	9.683698106	2.230120273	

3.923040355					
MIR6075	MIR6075	0	0.880336191	2.230120273	0
DNAJB5-AS1	DNAJB5-AS1	0	0	0	3.923040355
LOC102546229	LOC102546229	0	0	0	0.980760089
B4GALT1-AS1	B4GALT1-AS1	105.2094971		226.2464012	
83.62951022	177.517576				
LOC101928401	LOC101928401	0	0	3.345180409	0
FAM83C-AS1	FAM83C-AS1	2.083356377		4.401680957	
1.115060136	0				
LPP-AS1	LPP-AS1	1.041678189	0.880336191	1.115060136	0
IL12A-AS1	IL12A-AS1	55.208944		56.34151625	
8.92048109	6.865320621				
LOC102606465	LOC102606465	698.9660646		471.8601986	
469.4403174	484.4954838				
CLYBL-AS2	CLYBL-AS2	0	0	0	0.980760089
LOC102467147	LOC102467147	1.041678189		0.880336191	
1.115060136	4.903800443				
LOC101928438	LOC101928438	0	0	3.345180409	0
LOC102467081	LOC102467081	9.375103698		23.76907717	
15.61084191	26.48052239				
LOC101927847	LOC101927847	0	0	1.115060136	0
LOC100506985	LOC100506985	192.7104649		216.5627031	
380.2355065	300.1125871				
LOC100505942	LOC100505942	2.083356377		1.760672383	
6.690360818	3.923040355				
ITPR1-AS1	ITPR1-AS1	4.166712755		10.5640343	0
8.826840798					
LINC01279	LINC01279	2.083356377		14.96571525	0
0.980760089					
SYP-AS1	SYP-AS1	4.166712755	0.880336191	17.84096218	
6.865320621					
MIR6858	MIR6858	3.125034566	3.521344766	2.230120273	
3.923040355					
MIR6857	MIR6857	7.291747321	7.923025723	13.38072164	
7.846080709					
LOC101926911	LOC101926911	19.79188559		17.60672383	
17.84096218	13.73064124				
MIR6885	MIR6885	8.33342551	6.16235334	5.575300681	
3.923040355					
CCDC78	CCDC78	25.00027653	24.64941336	36.7969845	
48.05724434					
MIR6759	MIR6759	22.91692015	22.00840479	43.48734531	
26.48052239					
MIR6758	MIR6758	123.9597045	62.50386959	141.6126373	
116.7104506					
MIR6769A	MIR6769A	1.041678189	0	0	
1.961520177					
MIR6768	MIR6768	2.083356377	1.760672383	2.230120273	
2.942280266					
MIR6767	MIR6767	29.16698928	38.73479242	15.61084191	

18.63444168					
MIR6766	MIR6766	6.250069132	14.96571525	3.345180409	
0.980760089					
MIR6838	MIR6838	17.70852921	18.48706002	37.91204463	
39.23040355					
MIR6847	MIR6847	27.08363291	10.5640343	45.71746559	
24.51900222					
LINC01212	LINC01212	0	1.760672383	0	0
SNHG24	SNHG24	0	0	0.980760089	
LOC101060091	LOC101060091	139.5848773	141.7341268		
163.91384	110.82589				
MIR6770-2	MIR6770-2	1.041678189	0	1.115060136	
0					
LOC101929295	LOC101929295	13.54181645	14.96571525		
22.30120273	25.49976231				
LOC100129203	LOC100129203	103.1261407	44.01680957		
266.4993726	221.65178				
PANDAR	PANDAR	0	0.880336191	0	0.980760089
RASSF1-AS1	RASSF1-AS1	335.4203768	253.5368231		
153.8782988	234.4016612				
LOC101927379	LOC101927379	0	0	1.115060136	0
LINC01176	LINC01176	3.125034566	0.880336191	0	0
4.903800443					
LOC101926943	LOC101926943	3065.658909	2420.924526		
2399.609413	2728.474567				
LOC100506860	LOC100506860	105.2094971	69.54655912		
104.8156528	91.21068825				
LOC100147773	LOC100147773	23.95859834	46.65781815		
55.75300681	24.51900222				
TNKS2-AS1	TNKS2-AS1	15.62517283	19.36739621		
47.94758586	29.42280266				
HP09025	HP09025	1.041678189	0	0	0.980760089
LOC100506281	LOC100506281	2.083356377	0	0	0
MIR7109	MIR7109	292.711571	250.8958146	293.2608158	
410.9384772					
MIR7111	MIR7111	95.83439336	111.8026963	124.8867353	
104.9413295					
TDRG1	TDRG1	1.041678189	1.760672383	20.07108245	0
PP14571	PP14571	0	0	5.575300681	
CSNK2A3	CSNK2A3	44.79216211	21.12806859	26.76144327	
20.59596186					
SRCIN1	SRCIN1	1.041678189	0.880336191	0	0
HLX-AS1	HLX-AS1	0	5.282017149	1.115060136	1.961520177
LOC101929657	LOC101929657	26.04195472	18.48706002		
7.805420954	13.73064124				
USP12-AS2	USP12-AS2	8.33342551	0.880336191		
32.33674395	1.961520177				
LOC101929608	LOC101929608	13.54181645	7.923025723		
52.4078264	36.28812328				
LOC101928020	LOC101928020	16.66685102	17.60672383		

50.17770613	28.44204257				
MIR6886 MIR6886	1.041678189	6.16235334		4.460240545	
5.884560532					
LOC101929526	LOC101929526	0	0	2.230120273	0
LOC101927797	LOC101927797	0	0	0	2.942280266
CTB-1202.1	CTB-1202.1	0	0	0	0.980760089
LOC101928539	LOC101928539	0	0	0	1.961520177
LINC01483	LINC01483	2.083356377		0	0
1.961520177					
ANKRD44-IT1	ANKRD44-IT1	54.16726581		73.06790389	
70.24878858	50.99952461				
DARS-AS1	DARS-AS1	651.0488679		651.4487817	
711.4083669	867.9726785				
LOC101927257	LOC101927257	9.375103698		17.60672383	
4.460240545	7.846080709				
LOC101927631	LOC101927631	59.37565676		44.89714576	
55.75300681	40.21116364				
LOC101929106	LOC101929106	0	0	0	2.942280266
LOC101927770	LOC101927770	9.375103698		18.48706002	
13.38072164	6.865320621				
LOC101927418	LOC101927418	1.041678189		0	1.115060136
1.961520177					
LOC101928435	LOC101928435	0	2.641008574	0	0
METRNL METRNL	61.45901313	211.2806859		130.4620359	
215.7672195					
LOC100996579	LOC100996579	123.9597045		217.4430393	
71.36384872	99.05676896				
LOC100505921	LOC100505921	39.58377117		18.48706002	
35.68192436	38.24964346				
LOC101927630	LOC101927630	1.041678189		0	0
0.980760089					
CTC-436P18.1	CTC-436P18.1	567.7146128		342.4507785	
391.3861078	399.1693561				
SUCLG2-AS1	SUCLG2-AS1	86.45928966		53.70050768	
71.36384872	80.42232727				
ALMS1-IT1	ALMS1-IT1	2.083356377		8.803361914	
3.345180409	5.884560532				
LOC101927668	LOC101927668	2.083356377		1.760672383	
1.115060136	0				
DPYD-AS2	DPYD-AS2	3.125034566		3.521344766	0
3.923040355					
KCNC4-AS1	KCNC4-AS1	1.041678189		3.521344766	
6.690360818	11.76912106				
LOC101928767	LOC101928767	63.54236951		35.21344766	
56.86806695	48.05724434				
LOC101927058	LOC101927058	0	0	0	0.980760089
USP32P2 USP32P2	6.250069132	0	1.115060136	0	0.980760089
TRPM2-AS	TRPM2-AS	2.083356377		0	0
0.980760089					
LOC101929591	LOC101929591	3.125034566		0	1.115060136

0					
TCEAL5	TCEAL5	0	0	1.115060136	0
CTC-338M12.4	CTC-338M12.4			115.6262789	183.990264
166.1439603	205.9596186				
RPLP0P2	RPLP0P2	0	0.880336191	1.115060136	0.980760089
LOC101929319	LOC101929319			3.125034566	5.282017149
1.115060136	1.961520177				
LOC101929260	LOC101929260	0	0	5.575300681	0
LOC101929452	LOC101929452			2.083356377	0
					3.345180409
					7.846080709
LOC101927021	LOC101927021			347.920515	522.9196977
285.4553949	412.8999973				
LOC101927045	LOC101927045			185.4187176	195.4346345
262.039132	181.4406164				
LOC101928002	LOC101928002			4.166712755	0.880336191
5.575300681	0				
ADNP-AS1	ADNP-AS1			53.12558762	39.61512861
51.29276627	39.23040355				
IL7R	IL7R			825.0091254	1567.878757
9378.027968					10416.89179
FBX033	FBX033	2523.986251		2926.2375	2129.76486
2306.747729					
ARNTL2-AS1	ARNTL2-AS1			562.5062219	377.6642261
244.1981698	208.9018989				
LOC101927391	LOC101927391			2.083356377	8.803361914
12.2656615	35.30736319				
LOC101927497	LOC101927497			57.29230038	88.91395534
98.12529199	50.01876452				
LOC101929549	LOC101929549			0	4.401680957
					1.115060136
					0
LOC101926928	LOC101926928			1.041678189	0
LOC101928731	LOC101928731			0	0.880336191
					3.345180409
					0
LOC101927550	LOC101927550			230.2108797	310.7586756
163.91384	191.2482173				
DCTPP1	DCTPP1	10004.27732		6779.46901	6847.584297
7157.587127					
RP9	RP9	721.8829848		575.7398692	929.9601536
594.3406137					
LOC100996654	LOC100996654			8.33342551	9.683698106
5.575300681	4.903800443				
LOC101928882	LOC101928882			0	0
LOC101927243	LOC101927243			0	6.16235334
					13.38072164
					9.807600887
LOC101927053	LOC101927053			0	0
11.76912106					15.61084191
LOC101927394	LOC101927394			0	0
LOC101928909	LOC101928909			31.25034566	29.93143051
47.94758586	24.51900222				
LINC01282	LINC01282			0	0
					0
					0.980760089

LOC101927795	LOC101927795	1389.598704	1206.940918
1206.495067	1470.159373		
RPRM RPRM	4.166712755	0 20.07108245	0
SLC01B3 SLC01B3	0 0	0 0.980760089	
GLT1D1 GLT1D1	96.87607155	322.2030461	25.64638313
112.7874102			
LOC101927746	LOC101927746	115.6262789	77.46958485
37.91204463	56.88408514		
UBXN10-AS1	UBXN10-AS1	68.75076045	107.4010154
52.4078264	85.32612771		
LOC101929010	LOC101929010	90.62600242	175.1869021
71.36384872	157.9023743		
LOC101927811	LOC101927811	7.291747321	18.48706002
15.61084191	0		
RRP7A RRP7A	10980.32979	9870.329378	9336.398521
12054.52225			
DEPDC1-AS1	DEPDC1-AS1	23.95859834	27.29042193
4.460240545	21.57672195		
LOC101927865	LOC101927865	1.041678189	2.641008574
3.345180409	6.865320621		
ST3GAL5-AS1	ST3GAL5-AS1	0 1.760672383	11.15060136
0.980760089			
SNORD43 SNORD43	14.58349464	10.5640343	11.15060136
16.67292151			
SNORD54 SNORD54	11.45846008	6.16235334	22.30120273
14.71140133			
SNORA33 SNORA33	16.66685102	26.41008574	47.94758586
39.23040355			
ZCCHC14 ZCCHC14	32.29202385	36.97412004	154.9933589
110.82589			
RFTN1 RFTN1	6677.15719	8110.537332	7199.9433
9464.334856			
TET3 TET3	131.2514518	276.4255641	236.3927489
209.882659			
ERICH3 ERICH3	0 1.760672383	11.15060136	0.980760089
SCAMP1-AS1	SCAMP1-AS1	237.502627	236.8104355
380.2355065	312.8624683		
PLS3-AS1	PLS3-AS1	0 0.880336191	0 0
LINC01284	LINC01284	0 0	4.460240545
3.923040355			
RASL10B RASL10B	5.208390943	23.76907717	12.2656615
37.26888337			
SUZ12 SUZ12	3766.70833	6884.229017	3253.745478
3474.832994			
MIR505 MIR505	0 0	0 0.980760089	
TMED10P1	TMED10P1	31.25034566	44.01680957
130.4620359	100.037529		
MGC16142	MGC16142	53.12558762	44.01680957
78.05420954	45.11496408		
ZNF766 ZNF766	2031.272468	1704.330867	4527.144153

3110.971001					
GRHL1 GRHL1	134.3764863	160.2211868	27.87650341		
113.7681703					
OR2AE1 OR2AE1	0 0	1.115060136	0		
FAM109B FAM109B	148.959981	176.0672383	133.8072164		
199.094298					
PPP1R27 PPP1R27	1.041678189	1.760672383	0 0.980760089		
NKAPL NKAPL	7.291747321	2.641008574	45.71746559		
11.76912106					
CDRT15 CDRT15	3.125034566	9.683698106	1.115060136		
0.980760089					
F8A3 F8A3	578.1313947	617.9960064	645.6198189		
815.9923938					
IGIP IGIP	7.291747321	26.41008574	31.22168382		
32.36508293					
C8orf48 C8orf48	5.208390943	6.16235334	0 16.67292151		
ITGA11 ITGA11	2.083356377	3.521344766	0 4.903800443		
LRRC18 LRRC18	0 1.760672383	0 0	0		
FAM227A FAM227A	3.125034566	4.401680957	57.98312709		
11.76912106					
LKAAEAR1 LKAAEAR1		8.33342551	3.521344766		
6.690360818	2.942280266				
TMEM220 TMEM220	23.95859834	33.45277527	160.5686596		
50.01876452					
OR11G2 OR11G2	0 0	0 2.942280266			
OR2A7 OR2A7	2.083356377	4.401680957	0 3.923040355		
OR52H1 OR52H1	0 0	11.15060136	0		
OR2A1 OR2A1	1.041678189	3.521344766	0 0		
LOC101927237 LOC101927237		0 0	0 3.923040355		
OR52N2 OR52N2	6.250069132	4.401680957	0 0		
PAGE2B PAGE2B	4.166712755	1.760672383	2.230120273		
0.980760089					
OR2AK2 OR2AK2	0 0	0 0.980760089			
OR2AG2 OR2AG2	2.083356377	3.521344766	0 22.55748204		
OR10K2 OR10K2	0 0	0 0.980760089			
STAM-AS1 STAM-AS1		60.41733494	71.30723151		
33.45180409	32.36508293				
MIR133A1HG MIR133A1HG		12.50013826	7.923025723		
1.115060136	2.942280266				
PRKX-AS1 PRKX-AS1		4.166712755	5.282017149		
3.345180409	7.846080709				
MED140S MED140S	48.95887487	65.14487817	39.02710477		
40.21116364					
HCFC1-AS1 HCFC1-AS1		7.291747321	6.16235334		
4.460240545	3.923040355				
MID1IP1-AS1 MID1IP1-AS1		9.375103698	12.32470668		
11.15060136	16.67292151				
LOC101927780 LOC101927780		12.50013826	19.36739621		
7.805420954	8.826840798				
PM20D2 PM20D2	553.1311182	1332.828994	1295.699878		

1830.098325					
LOC100505592	LOC100505592	4.166712755	0	0	0
DDX26B-AS1	DDX26B-AS1	3.125034566	16.72638764		
3.345180409	16.67292151				
LOC101927178	LOC101927178	1600.017698	1133.873015		
1225.45109	1218.10403				
RTCA-AS1	RTCA-AS1	42.70880574	28.17075813		
61.32830749	24.51900222				
HAGLROS HAGLROS	0 0.880336191	1.115060136	0		
LOC101929760	LOC101929760	16.66685102	12.32470668		
15.61084191	33.34584301				
LOC102724153	LOC102724153	154.1683719	113.5633687		
107.0457731	203.9980984				
LINC01422	LINC01422	0	0.880336191	2.230120273	
3.923040355					
OTUD6B-AS1	OTUD6B-AS1	1335.431438	1309.940253		
2249.076295	1674.157471				
MIRLET7BHG	MIRLET7BHG	5.208390943	14.08537906		
46.83252572	38.24964346				
LINC01246	LINC01246	0	0	0	0.980760089
POTEH-AS1	POTEH-AS1	0	0	0	0.980760089
EP300-AS1	EP300-AS1	33.33370204	16.72638764		
64.6734879	35.30736319				
PADI6 PADI6	3.125034566	0	6.690360818	3.923040355	
LOC101927069	LOC101927069	522.9224507	514.996672		
130.4620359	101.9990492				
LOC102723854	LOC102723854	0	0	0	0.980760089
LOC101929512	LOC101929512	19.79188559	31.69210289		
12.2656615	16.67292151				
LOC102723927	LOC102723927	0	0.880336191	0	
4.903800443					
MIATNB MIATNB	126.0430608	188.391945	158.3385393		
204.9788585					
HORMAD2-AS1	HORMAD2-AS1	113.5429226	160.2211868		
208.5162455	203.9980984				
LANCL1-AS1	LANCL1-AS1	7.291747321	9.683698106		
10.03554123	6.865320621				
LOC102724691	LOC102724691	4.166712755	4.401680957		
3.345180409	1.961520177				
CHKB-AS1	CHKB-AS1	144.7932682	175.1869021		
172.8343211	153.9793339				
LOC102723824	LOC102723824	46.87551849	23.76907717		
15.61084191	27.46128248				
ITGA9-AS1	ITGA9-AS1	1.041678189	18.48706002		
2.230120273	1.961520177				
CHMP1B2P	CHMP1B2P	0	0.880336191	0	
8.826840798					
LRCH4 LRCH4	4268.797217	4575.987523	3163.425607		
3514.063398					
ZASP ZASP	756.258365	823.9946752	595.4421128		

664.9553401				
POTEF POTEF	27.08363291	2.641008574	1.115060136	
0.980760089				
LOC101928063	LOC101928063	101.0427843	183.1099278	
157.2234792	274.6128248			
LOC101927143	LOC101927143	3.125034566	0	8.92048109
0				
LOC102723809	LOC102723809	31.25034566	53.70050768	
44.60240545	27.46128248			
LOC102723354	LOC102723354	3.125034566	4.401680957	
10.03554123	7.846080709			
LOC101928517	LOC101928517	0	0	1.961520177
LOC101929715	LOC101929715	11.45846008	33.45277527	
17.84096218	25.49976231			
LOC101928886	LOC101928886	4.166712755	0.880336191	0
0.980760089				
C10orf90	C10orf90	0	6.16235334	0
0.980760089				
GLTPD2 GLTPD2	9.375103698	8.803361914	6.690360818	
19.61520177				
COA5 COA5	1166.679571	1302.017227	1445.117937	
1533.908779				
C20orf202	C20orf202	0	0.880336191	42.37228518
1.961520177				
JMJD8 JMJD8	7652.167974	5429.033293	6629.03251	
6752.53321				
CSE1L-AS1	CSE1L-AS1	10.41678189	0.880336191	
18.95602232	1.961520177			
LOC101927322	LOC101927322	172.9185793	253.5368231	
223.0120273	211.8441792			
LOC101929733	LOC101929733	2.083356377	0	0
0.980760089				
LOC101927720	LOC101927720	21.87524196	9.683698106	
75.82408927	43.1534439			
KCTD2 KCTD2	663.5490062	1505.374887	1092.758934	
959.1833667				
LOC100996324	LOC100996324	159.3767629	125.0077392	
98.12529199	126.5180514			
LOC101060542	LOC101060542	0	0	0.980760089
LINC01232	LINC01232	39.58377117	44.01680957	
70.24878858	47.07648426			
LINC01477	LINC01477	0	0.880336191	0
DSCAS DSCAS	0	0	1.115060136	1.961520177
LOC101927571	LOC101927571	2.083356377	14.96571525	
8.92048109	5.884560532			
LOC101927229	LOC101927229	0	0	2.230120273
LOC101927166	LOC101927166	4.166712755	2.641008574	0
1.115060136	3.923040355			
NUCB1-AS1	NUCB1-AS1	1631.268044	2041.499628	
1612.376957	1685.926592			

LOC101928571	LOC101928571	68.75076045	72.1875677	
105.9307129	98.07600887			
NDUFV2-AS1	NDUFV2-AS1	14.58349464	22.00840479	
118.1963744	57.86484523			
MAP3K14 MAP3K14	2586.486943	5238.000339	2872.394911	
3816.137505				
TIMM23B TIMM23B	716.6745938	617.1156702	592.0969324	
748.3199477				
GPR89B GPR89B	134.3764863	157.5801783	180.6397421	
126.5180514				
CELA2B CELA2B	12.50013826	12.32470668	4.460240545	
8.826840798				
RYBP RYBP	437.5048393	1171.727471	574.2559702	
620.8211361				
LOC101929224	LOC101929224	8.33342551	10.5640343	
6.690360818	10.78836098			
LOC102724246	LOC102724246	10.41678189	22.88874098	
55.75300681	65.71092594			
LOC101928710	LOC101928710	21.87524196	46.65781815	
6.690360818	27.46128248			
HP09053 HP09053	734.383123	538.7657492	853.0210042	
609.0520151				
LOC101927911	LOC101927911	26.04195472	51.93983529	
11.15060136	3.923040355			
GFER GFER	923.9685534	1076.651162	729.2493291	
848.3574767				
HAGHL HAGHL	47.91719668	125.8880754	65.78854804	
164.7676949				
LINC01352	LINC01352	0 0	0 1.961520177	
LOC100507002	LOC100507002	47.91719668	62.50386959	
30.10662368	27.46128248			
LINC01504	LINC01504	19.79188559	9.683698106	
17.84096218	1.961520177			
LOC101927018	LOC101927018	1.041678189	7.042689532	
10.03554123	10.78836098			
LOC101926996	LOC101926996	6.250069132	7.923025723 0	
9.807600887				
TMEM108-AS1	TMEM108-AS1	0 0	0 2.942280266	
LOC101927688	LOC101927688	12.50013826	7.042689532	
34.56686422	11.76912106			
LOC101927666	LOC101927666	0 4.401680957	0 0	
LOC101927557	LOC101927557	2.083356377	2.641008574 0	
1.961520177				
LOC101927539	LOC101927539	0 0	5.575300681 0	
LOC101927730	LOC101927730	467.7135067	337.1687613	
870.8619664	776.7619902			
LOC101927829	LOC101927829	0 0	0 6.865320621	
LOC101928514	LOC101928514	0 0	2.230120273	
4.903800443				
LOC100420587	LOC100420587	1.041678189	12.32470668	

1.115060136	12.74988115				
LOC101928163	LOC101928163	230.2108797		448.0911214	
50.17770613	79.44156718				
C19orf48	C19orf48	8348.009004		6081.36241	
7707.295662	7201.721331				
CCR7 CCR7	22496.08216	15505.36134		60276.80579	
48664.33484					
LOC101929099	LOC101929099	156.2517283		169.0245488	
113.7361339	114.7489304				
MYADM MYADM	1855.228854	3740.548477		1836.504044	
2394.035376					
LINC01363	LINC01363	0 0	0	3.923040355	
C1orf115	C1orf115	38.54209298		21.12806859	
81.39938995	83.36460754				
AGRN ARN	14.58349464	86.27294676		81.39938995	
69.6339663					
LOC102724508	LOC102724508	2.083356377		2.641008574	
1.115060136	1.961520177				
LOC101929555	LOC101929555	7.291747321		6.16235334	
11.15060136	12.74988115				
LOC101929767	LOC101929767	77.08418596		91.55496391	
36.7969845	69.6339663				
LOC102724596	LOC102724596	10.41678189		25.52974955	
13.38072164	10.78836098				
SLC14A2-AS1	SLC14A2-AS1	0 0.880336191	0	0	
RARA-AS1	RARA-AS1	26.04195472		24.64941336	
11.15060136	21.57672195				
TSPAN10 TSPAN10	4.166712755	2.641008574		2.230120273	
18.63444168					
LOC101927755	LOC101927755	46.87551849		34.33311147	
71.36384872	41.19192372				
LOC101928001	LOC101928001	5.208390943		7.923025723	
5.575300681	4.903800443				
LOC101927919	LOC101927919	25.00027653		38.73479242	
17.84096218	21.57672195				
LOC101929717	LOC101929717	26.04195472		7.042689532	
34.56686422	23.53824213				
LOC101927950	LOC101927950	0 3.521344766		2.230120273	
4.903800443					
LINC01448	LINC01448	0 0	3.345180409	0	
LOC101928674	LOC101928674	17.70852921		47.53815434	
14.49578177	33.34584301				
LOC101928855	LOC101928855	14.58349464		41.375801	
1.115060136	13.73064124				
PHF20 PHF20	2100.023228	2071.431058		3160.080426	
2763.78193					
ZSCAN22 ZSCAN22	620.8402005	673.4571864		853.0210042	
770.8774297					
ERCC6L ERCC6L	1900.021016	1931.457604		995.7487017	
1346.583602					

FBX02 FBX02	36.4587366	29.05109432	103.7005927		
205.9596186					
FBX010 FBX010	125.0013826	239.4514441	179.5246819		
266.7667441					
BAALC-AS1	BAALC-AS1	5.208390943	4.401680957		
20.07108245	0				
LINC00515	LINC00515	8.33342551	13.20504287		
25.64638313	39.23040355				
TMED7-TICAM2	TMED7-TICAM2	1514.600086	1243.915039		
1500.870943	1199.469588				
LMF1-AS1	LMF1-AS1	55.208944	38.73479242		
107.0457731	106.9028497				
LOC553103	LOC553103	35.41705842	43.13647338		
75.82408927	58.84560532				
LOC101927102	LOC101927102	568.756291	371.5018728		
526.3083843	390.3425153				
LOC101927272	LOC101927272	381.2542171	393.5102776		
215.2066063	262.8437038				
LOC101928530	LOC101928530	41.66712755	24.64941336		
27.87650341	19.61520177				
LOC101928203	LOC101928203	0	2.641008574	0	0
CHRNA5 CHRNA5	585.423142	639.124075	469.4403174		
450.1688807					
LOC101928737	LOC101928737	1.041678189	0	0	0
LOC100129697	LOC100129697	0	0	0	0.980760089
LOC101927817	LOC101927817	66.66740408	64.26454197		
50.17770613	57.86484523				
NKPD1 NKPD1	4.166712755	7.042689532	27.87650341		
3.923040355					
GALNT10 GALNT10	2227.107967	4343.578769	2503.310006		
2905.011383					
SOCS7 SOCS7	105.2094971	231.5284183	224.1270874		
183.4021366					
DENND1C DENND1C	5044.847468	4783.746864	2641.577463		
4619.380018					
LOC101060376	LOC101060376	42.70880574	54.58084387		
51.29276627	65.71092594				
VPREB1 VPREB1	0	12.32470668	0	1.961520177	
VCP VCP	68202.83773	43099.49926	40736.49196		
40482.83418					
BRWD1-AS1	BRWD1-AS1	0	2.641008574	0	
3.923040355					
TEKT4P2 TEKT4P2	54.16726581	79.23025723	47.94758586		
72.57624656					
LINC01258	LINC01258	7.291747321	0.880336191		
5.575300681	0.980760089				
MAFIP MAFIP	425.004701	100.3583258	462.7499566		
104.9413295					
LOC101927040	LOC101927040	2.083356377	0	0	0
LINC01503	LINC01503	0	0	0	0.980760089

LCMT1-AS1	LCMT1-AS1	69.79243864	60.74319721	
70.24878858	72.57624656			
KLHL31 KLHL31	2.083356377	5.282017149	1.115060136	
5.884560532				
FAM150B FAM150B	2.083356377	4.401680957	14.49578177	
8.826840798				
KCTD11 KCTD11	97.91774974	180.4689192	226.3572077	
346.2083113				
CYP27C1 CYP27C1	2.083356377	0	0	7.846080709
FAT3 FAT3	0	0	3.923040355	
OR2L8 OR2L8	0	0.880336191	0	0
OR2W3 OR2W3	8.33342551	8.803361914	1.115060136	
0.980760089				
ASTL ASTL	25.00027653	19.36739621	16.72590204	
44.13420399				
C14orf37	C14orf37	2.083356377	2.641008574	
1.115060136	1.961520177			
OR2A42 OR2A42	1.041678189	3.521344766	0	0
C10orf55	C10orf55	103.1261407	30.8117667	
92.54999131	29.42280266			
LCN10 LCN10	45.8338403	7.923025723	128.2319157	
56.88408514				
MED11 MED11	1172.92964	1066.967464	1023.625205	
1087.662938				
SPOPL SPOPL	195.8354995	361.8181747	225.2421475	
357.9774324				
LYRM5 LYRM5	414.5879191	588.9449121	821.7993204	
755.1852683				
TIMM50 TIMM50	5994.857976	4133.178419	4631.959806	
4684.110183				
JARID2-AS1	JARID2-AS1	1.041678189	3.521344766	0
1.961520177				
KCNQ5-IT1	KCNQ5-IT1	8.33342551	9.683698106	
10.03554123	11.76912106			
FAM223A FAM223A	1.041678189	0.880336191	0	0
LOC102724484	LOC102724484	1.041678189	0	0
SEMA6A-AS1	SEMA6A-AS1	15.62517283	17.60672383	
22.30120273	33.34584301			
LOC102723885	LOC102723885	3627.123453	3543.353171	
2232.350393	2900.107582			
FER1L5 FER1L5	2.083356377	0	7.805420954	1.961520177
ELFN1-AS1	ELFN1-AS1	12.50013826	5.282017149	
14.49578177	14.71140133			
FNDC9 FNDC9	21.87524196	22.88874098	26.76144327	
87.28764789				
C14orf64	C14orf64	278.1280764	331.8867442	
605.477654	617.8788559			
LINC01341	LINC01341	0	0.880336191	0
0.980760089				
EXPH5 EXPH5	59.37565676	67.78588674	468.3252572	

254.9976231					
LOC143666	LOC143666	0	6.16235334	20.07108245	
	8.826840798				
LOC101927181	LOC101927181	35.41705842	31.69210289		
52.4078264	18.63444168				
CYP4F29P	CYP4F29P	0	30.8117667	0	
2.942280266					
LINC00866	LINC00866	0	0.880336191	0	
1.961520177					
SFN	SFN	4.166712755	4.401680957	0	4.903800443
IRF9	IRF9	8331.342153	5349.803035	18272.49045	
9499.642219					
MIR7110	MIR7110	7.291747321	14.08537906	10.03554123	
14.71140133					
CNTNAP3	CNTNAP3	1.041678189	0	0	
LOC101448202	LOC101448202	1.041678189	0	0	0
FAM120C	FAM120C	138.5431991	148.7768164	188.445163	
131.4218519					
TNFSF9	TNFSF9	763.5501123	335.4080889	381.3505666	
420.746078					
LOC101928794	LOC101928794	15.62517283	9.683698106		
15.61084191	5.884560532				
LOC101928068	LOC101928068	16.66685102	4.401680957		
3.345180409	14.71140133				
LOC388813	LOC388813	6.250069132	1.760672383		
41.25722504	6.865320621				
KIAA1161	KIAA1161	215.6273851	269.3828746		
191.7903434	281.4781454				
PNMA6A	PNMA6A	1.041678189	0	2.230120273	0
LOC100130691	LOC100130691	70.83411683	160.2211868		
73.59396899	140.2486927				
NOP16	NOP16	8827.180971	4144.622789	7674.958918	
6728.014208					
RHOD	RHOD	14.58349464	3.521344766	26.76144327	
54.92256497					
LOC100506551	LOC100506551	77.08418596	121.4863944		
97.01023186	134.3641321				
LOC100132529	LOC100132529	1.041678189	1.760672383		
20.07108245	5.884560532				
LINC01301	LINC01301	11.45846008	1.760672383		
2.230120273	7.846080709				
LINC00869	LINC00869	58.33397857	44.89714576		
314.4469584	164.7676949				
BRWD1-IT2	BRWD1-IT2	22.91692015	20.2477324		
14.49578177	16.67292151				
FCGBP	FCGBP	5.208390943	18.48706002	115.9662542	
44.13420399					
PRAMEF4	PRAMEF4	2.083356377	0	0	0
AGAP4	AGAP4	114.5846008	123.2470668	122.656615	
120.6334909					

C5orf34	C5orf34	491.6721051	582.7825587	735.9396899
775.7812301				
GOLGA6L17P	GOLGA6L17P	0	3.521344766	0
4.903800443				
CEP19	CEP19	701.049421	636.4830664	801.728238
615.9173357				
FAM21A	FAM21A	2943.782561	2040.619292	3316.188845
3337.526582				
LOC100132062	LOC100132062	0	2.641008574	0
0.980760089				
GLUD1P7	GLUD1P7	0	0	6.690360818
0				0
LOC103091866	LOC103091866	209.6313056	126.5180514	35.41705842
209.6313056				42.25613719
LPGAT1	LPGAT1	1960.438351	2458.778983	1508.676364
2155.710675				
SNORA4	SNORA4	90.62600242	58.10218863	147.187938
123.5757712				
SNORA63	SNORA63	95.83439336	66.02521436	173.9493813
137.3064124				
SNORA52	SNORA52	19.79188559	12.32470668	20.07108245
24.51900222				
SNORA7A	SNORA7A	59.37565676	47.53815434	81.39938995
73.55700665				
SNORA72	SNORA72	1.041678189	1.760672383	8.92048109
1.961520177				
TOP1P1	TOP1P1	15.62517283	16.72638764	30.10662368
13.73064124				
CXCR2P1	CXCR2P1	15.62517283	14.96571525	17.84096218
34.3266031				
FM06P	FM06P	0	0	0.980760089
0				0
SNORD60	SNORD60	3.125034566	2.641008574	5.575300681
5.884560532				
PTTG3P	PTTG3P	0	0.880336191	0
0				1.961520177
HYALP1	HYALP1	2.083356377	1.760672383	0
0				0.980760089
BRD7P3	BRD7P3	27.08363291	44.89714576	16.72590204
8.826840798				
HNRNPA3P1	HNRNPA3P1	0	1.760672383	0
0.980760089				
INE2	INE2	31.25034566	36.09378385	70.24878858
27.46128248				
SNORD53	SNORD53	0	0.880336191	3.345180409
0				1.961520177
SNORD59A	SNORD59A	60.21324736	87.28764789	76.04250777
60.21324736				29.05109432
SNORD45A	SNORD45A	32.33674395	38.24964346	32.29202385
32.33674395				27.29042193
SNORD45B	SNORD45B	70.24878858	45.11496408	34.37538023
70.24878858				29.93143051
SNORD47	SNORD47	219.7940978	161.9818592	233.0475685
241.2669818				
SNORD48	SNORD48	1.041678189	0	0
0				0

SNORD49A	SNORD49A	59.37565676	51.93983529	
54.63794668	56.88408514			
LOC100506730	LOC100506730	20.83356377	27.29042193	
17.84096218	15.69216142			
LINC01006	LINC01006	1.041678189	3.521344766	0
4.903800443				
EDNRB-AS1	EDNRB-AS1	1.041678189	0	0
3.923040355				
SH3BGRL2	SH3BGRL2	6.250069132	23.76907717	
147.187938	21.57672195			
LENG8 LENG8	263.5445817	1209.581927	440.4487538	
652.205459				
MOXD1 MOXD1	8.33342551	14.96571525	14.49578177	
6.865320621				
KIAA2018	KIAA2018	407.2961718	794.9435809	
711.4083669	619.840376			
C1orf167	C1orf167	55.208944	164.6228678	
170.6042008	114.7489304			
PPP1R15B	PPP1R15B	3096.909255	4028.418412	
5031.151335	3660.196651			
RMDN2 RMDN2	161.4601192	106.5206792	370.1999652	
155.9408541				
RNF222 RNF222	4.166712755	2.641008574	11.15060136	0
BHLHE40-AS1	BHLHE40-AS1	275.0030418	140.8537906	
161.6837198	110.82589			
MIR3652 MIR3652	2798.989293	2666.538324	2059.516072	
2157.672195				
PPP1R2 PPP1R2	9825.108676	6503.923782	11345.73689	
8330.576193				
HSD17B11	HSD17B11	1288.555919	1130.35167	
1349.222765	897.3954811			
DDX60L DDX60L	2229.191324	1548.511361	4861.662194	
2260.652004				
SOWAHA SOWAHA	10.41678189	1.760672383	13.38072164	0
HIVEP1 HIVEP1	766.6751469	1778.279107	1478.569741	
1409.352247				
FREM2 FREM2	4.166712755	0	5.575300681	1.961520177
SLC5A3 SLC5A3	2376.067948	3539.831826	2516.690728	
2455.823262				
FOCAD FOCAD	4319.839449	4591.833575	3058.609954	
3916.175034				
PNPLA7 PNPLA7	29.16698928	18.48706002	71.36384872	
98.07600887				
PPCDC PPCDC	2206.274404	2137.456273	977.9077395	
1049.413295				
CCDC53 CCDC53	3115.659462	3428.909466	2718.516612	
2724.551526				
KIAA2026	KIAA2026	611.4650968	910.2676219	
946.6860557	929.7605641			
IP09-AS1	IP09-AS1	544.7976927	443.6894405	

362.3945443	449.1881206				
DOCK9-AS1	DOCK9-AS1	0	0	0	1.961520177
ZNF180 ZNF180	837.5092637	741.2430732		952.2613564	
755.1852683					
ADRA2B ADRA2B	0	4.401680957	15.61084191	2.942280266	
SVILP1 SVILP1	495.8388178	419.0400271		359.0493639	
352.0928718					
GRIP2 GRIP2	26.04195472	54.58084387		40.14216491	
22.55748204					
VNN3 VNN3	0	0	10.03554123	0.980760089	
CNNM1 CNNM1	1.041678189	14.96571525		54.63794668	
102.9798093					
OTUD7B OTUD7B	197.9188559	351.2541404		332.2879206	
333.4584301					
CD109 CD109	3086.492473	2923.596492		1079.378212	
1058.240136					
TMEM242 TMEM242	1984.396949	1517.699594		1549.933589	
1347.564362					
AOC4P AOC4P	0	0	0	1.961520177	
DLEU2L DLEU2L	6.250069132	16.72638764		2.230120273	
4.903800443					
LYPLA2 LYPLA2	7551.12519	5774.12508		5569.725381	
6920.243186					
LINC01353	LINC01353	44.79216211		36.09378385	
18.95602232	36.28812328				
LOC102723373	LOC102723373	3.125034566		2.641008574	
64.6734879	22.55748204				
FER1L4 FER1L4	7.291747321	5.282017149		11.15060136	
18.63444168					
DLGAP4 DLGAP4	1428.140797	1208.701591		1383.789629	
1437.79429					
CASC21 CASC21	0	0	12.2656615	1.961520177	
LOC101927560	LOC101927560	3.125034566		7.042689532	
14.49578177	17.6536816				
LOC102724467	LOC102724467	20.83356377		22.00840479	
26.76144327	19.61520177				
LOC101927587	LOC101927587	1.041678189		12.32470668	
15.61084191	9.807600887				
SRRM3 SRRM3	0	4.401680957	0	0	
PERP PERP	2318.775648	2184.114091		1441.772756	
1978.193099					
PLEKHA2 PLEKHA2	507.2972779	990.3782154		525.1933242	
611.0135352					
MIR503 MIR503	0	2.641008574	0	0	
MIR499A MIR499A	0	0.880336191	0	0	
MUC3A MUC3A	0	1.760672383	3.345180409	0	
SPDYE6 SPDYE6	45.8338403	20.2477324		64.6734879	
15.69216142					
LOC101928414	LOC101928414	3.125034566		5.282017149	
14.49578177	6.865320621				

LOC101928388	LOC101928388	3.125034566	12.32470668	
5.575300681	2.942280266			
LINC01479	LINC01479	0	0.880336191	0
4.903800443				
LOC101929655	LOC101929655	9.375103698	21.12806859	
46.83252572	40.21116364			
LINC01359	LINC01359	1.041678189	1.760672383	
5.575300681	8.826840798			
LOC101929679	LOC101929679	0	0	12.2656615
4.903800443				
CA2	CA2	68.75076045	667.2948331	268.7294928
518.8220869				
PAPOLA	PAPOLA	6869.867654	13656.65534	6839.778876
7879.426552				
CASC19	CASC19	2.083356377	0.880336191	0
LOC101926895	LOC101926895	137.5015209	248.254806	0.980760089
216.3216664	154.960094			
LOC101929765	LOC101929765	5.208390943	3.521344766	0
3.923040355				
LOC102724034	LOC102724034	0	0	3.345180409
LOC54944	LOC54944	20.83356377	61.6235334	0
23.41626286	58.84560532			
UPK3B	UPK3B	3.125034566	0.880336191	0
AOAH-IT1	AOAH-IT1	4.166712755	4.401680957	2.942280266
4.460240545	7.846080709			
LINC00400	LINC00400	0	0.880336191	0
1.961520177				
LOC388436	LOC388436	1.041678189	0	2.230120273
0				
TADA2A	TADA2A	1937.521431	1591.647834	1392.71011
1371.102604				
SNRPD1	SNRPD1	13017.85232	10826.37448	9103.350952
11228.72226				
SH3GL2	SH3GL2	0	0	2.942280266
RXRA	RXRA	165.626832	28.17075813	185.0999826
121.614251				
SLC25A30-AS1	SLC25A30-AS1	8.33342551	11.44437049	
8.92048109	3.923040355			
LM07-AS1	LM07-AS1	1175.012997	615.3549978	
740.3999305	684.5705419			
LOC101927248	LOC101927248	0	0	0
ZNF316	ZNF316	363.5456879	988.617543	0.980760089
721.8394253				807.3035387
LOC400867	LOC400867	1.041678189	0	0
PKD1L3	PKD1L3	47.91719668	19.36739621	0
12.74988115				61.32830749
LINC01314	LINC01314	0	0.880336191	23.41626286
4.903800443				
ZNF213-AS1	ZNF213-AS1	226.0441669	264.9811936	
227.4722678	245.1900222			

PLAA	PLAA	6482.363368	4873.541156	4900.689299	
4213.345341					
SLC35F1	SLC35F1	2.083356377	1.760672383	0	2.942280266
C2orf68	C2orf68	475.005254	1164.684781	921.0396726	
734.5893064					
HNRNPCL1	HNRNPCL1		2.083356377	0	0
0.980760089					
ANKRD20A2	ANKRD20A2		3.125034566	9.683698106	
3.345180409		1.961520177			
C1QL3	C1QL3	35.41705842	39.61512861	47.94758586	
52.96104479					
SLC6A17	SLC6A17	0	0	9.807600887	
IL17REL	IL17REL	1.041678189	0	0	0
CALHM1	CALHM1	6.250069132	13.20504287	0	1.961520177
LINC01053	LINC01053		0	0	1.961520177
LINC00412	LINC00412		4.166712755	10.5640343	
6.690360818		2.942280266			
LOC101929140	LOC101929140		56.25062219	68.66622293	
57.98312709		67.67244612			
LOC101929259	LOC101929259		0	0	3.345180409
1.961520177					
LOC101927437	LOC101927437		36.4587366	33.45277527	
65.78854804		107.8836098			
ZNF710	ZNF710	147.9183028	417.2793547	273.1897334	
223.6133002					
LINC00683	LINC00683		0	0	3.345180409
LOC100507006	LOC100507006		62.50069132	84.51227438	0
57.98312709		74.53776674			
ADPRH	ADPRH	1168.762928	700.7476084	479.4758586	
947.4142457					
NMU	NMU	28.12531109	41.375801	63.55842777	
16.67292151					
ENOPH1	ENOPH1	5244.84968	4599.7566	5333.332632	
5705.081436					
ING2	ING2	534.3809108	612.7139892	502.8921215	
648.2824186					
ZNF76	ZNF76	2355.234385	2297.67746	2670.569026	
3446.390952					
MAP3K4	MAP3K4	1648.976573	2368.984691	2098.543176	
2380.304735					
RPL34-AS1	RPL34-AS1		75.00082959	22.88874098	
52.4078264		40.21116364			
PANO	PANO	26.04195472	36.09378385	13.38072164	
24.51900222					
TBC1D19	TBC1D19	406.2544936	261.4598489	353.4740632	
369.7465534					
MSRA	MSRA	64.5840477	188.391945	76.9391494	
75.51852683					
CACNA1C-AS2	CACNA1C-AS2		6.250069132	7.042689532	
62.44336763		53.94180488			

LOC101928100	LOC101928100	53.12558762	12.32470668	
444.9089944	48.05724434			
LOC101927267	LOC101927267	623.965235	487.7062501	
198.4807043	234.4016612			
OR7E47P OR7E47P	2.083356377	0 0	0	
NCK1 NCK1	2413.568363	1971.072733	2583.594336	
1979.173859				
ZNF330 ZNF330	3459.413265	2794.187072	3623.945443	
3449.333232				
SSR1 SSR1	18180.40943	15311.68738	13934.90652	
12488.99897				
SRF SRF	2144.815391	2685.90572	1631.332979	
2001.731341				
LOC101929162	LOC101929162	483.3386796	379.4248985	
582.0613911	482.5339636			
TESC-AS1	TESC-AS1	8.33342551	12.32470668	
15.61084191	10.78836098			
STAC STAC	14.58349464	7.042689532	0 9.807600887	
HCLS1 HCLS1	30349.29403	29235.96492	20398.91013	
24166.90934				
MAN2B2 MAN2B2	1578.142456	2895.425734	1199.804707	
2261.632764				
ADAMTS1 ADAMTS1	137.5015209	16.72638764	22.30120273	
5.884560532				
NBPF10 NBPF10	453.1300121	432.24507	556.415008	
379.5541543				
GSTA7P GSTA7P	0 0	2.230120273	0	
LINCR-0001	LINCR-0001	1.041678189	0 0 0	
LOC101927964	LOC101927964	0 0	1.115060136	
4.903800443				
LOC101928150	LOC101928150	15.62517283	9.683698106	
65.78854804	22.55748204			
LOC101928272	LOC101928272	0 0.880336191	0	
0.980760089				
SLC16A12-AS1	SLC16A12-AS1	2.083356377	0 0 0	
LINC01475	LINC01475	0 0	1.115060136	0
LOC101927472	LOC101927472	7.291747321	12.32470668	
11.15060136	10.78836098			
LOC101927692	LOC101927692	3.125034566	14.08537906	
2.230120273	4.903800443			
FAM53B-AS1	FAM53B-AS1	27.08363291	25.52974955	
24.531323	11.76912106			
EDRF1-AS1	EDRF1-AS1	190.6271085	203.3576602	
150.5331184	208.9018989			
LINC01163	LINC01163	5.208390943	14.96571525	0
13.73064124				
LINC01516	LINC01516	5.208390943	0 0 0	
LOC101929279	LOC101929279	3.125034566	0 0 0	
LOC101929431	LOC101929431	31.25034566	58.10218863	
13.38072164	21.57672195			

LINC01518	LINC01518	0	0	1.115060136	0
LOC101928994	LOC101928994	1.041678189	0	0	0
ZNF503 ZNF503	0	0.880336191	7.805420954	0.980760089	
LOC101929574	LOC101929574	78.12586415		81.8712658	
83.62951022	71.59548647				
LOC102723703	LOC102723703	38.54209298		17.60672383	
31.22168382	23.53824213				
DYRK1B DYRK1B	281.2531109	270.2632108		389.1559876	
247.1515423					
MCCC1 MCCC1	3414.621103	2926.2375		2948.219	
2974.645349					
LOC101926941	LOC101926941	0	0	0	1.961520177
CEMIP CEMIP	10.41678189	23.76907717		43.48734531	
24.51900222					
LOC102724009	LOC102724009	130.2097736		156.6998421	
158.3385393	160.8446545				
C8orf59 C8orf59	2281.275233	2485.189068		2755.313597	
2613.725636					
LOC100507316	LOC100507316	126.0430608		113.5633687	
142.7276974	99.05676896				
PGM5P3-AS1	PGM5P3-AS1	0	0	2.230120273	0
PGM5P4-AS1	PGM5P4-AS1	0	0	2.230120273	0
LOC100507651	LOC100507651	1.041678189	0	0	0
C9orf41-AS1	C9orf41-AS1	458.338403		386.467588	
399.1915288	420.746078				
HOMEZ HOMEZ	483.3386796	643.5257559		789.4625765	
694.3781428					
LOC414300	LOC414300	12.50013826		3.521344766	
8.92048109	6.865320621				
LOC93432	LOC93432	0	0	2.230120273	
0.980760089					
LINC01189	LINC01189	0	0	1.115060136	0
LINC01507	LINC01507	0	2.641008574	0	0
LOC101927954	LOC101927954	1381.265278		1098.659567	
1495.295643	1371.102604				
PCAT7 PCAT7	2.083356377	0	0	1.961520177	
RFX3-AS1	RFX3-AS1	27.08363291		54.58084387	
8.92048109	24.51900222				
CDC37L1-AS1	CDC37L1-AS1	41.66712755		28.17075813	
66.90360818	27.46128248				
FOCAD-AS1	FOCAD-AS1	3.125034566		4.401680957	
11.15060136	3.923040355				
LOC101929563	LOC101929563	0	0	1.115060136	
1.961520177					
LINC01241	LINC01241	2.083356377	0	0	0
SMC2-AS1	SMC2-AS1	3.125034566	0.880336191		
2.230120273	0				
LOC101928525	LOC101928525	2832.322995		1706.091539	
2070.666673	2001.731341				
MIR4674HG	MIR4674HG	0	4.401680957	0	

2.942280266					
LOC100507291	LOC100507291	27.08363291		29.05109432	
61.32830749	59.82636541				
LOC100507639	LOC100507639	0	0	6.690360818	0
LOC100996286	LOC100996286	329.1703076		881.2165276	
185.0999826	447.2266004				
LOC100507406	LOC100507406	69.79243864		38.73479242	
22.30120273	18.63444168				
IFT74-AS1	IFT74-AS1	0	1.760672383		2.230120273
0					
LOC102723709	LOC102723709	0	0	1.115060136	0
LOC100996583	LOC100996583	48.95887487		76.58924866	
103.7005927	128.4795716				
FOX D3-AS1	FOX D3-AS1	1.041678189		1.760672383	0
0.980760089					
RNVU1-8	RNVU1-8	1.041678189	0.880336191	0	1.961520177
LOC101060498	LOC101060498	15.62517283		13.20504287	
24.531323	30.40356275				
LOC100996694	LOC100996694	0	0	0	0.980760089
LOC100996348	LOC100996348	0	1.760672383		1.115060136
4.903800443					
MIR3663HG	MIR3663HG	0	1.760672383	0	0
LINC01465	LINC01465	31.25034566		29.05109432	
24.531323	25.49976231				
ITIH4-AS1	ITIH4-AS1	6.250069132		10.5640343	
8.92048109	15.69216142				
MYLK-AS1	MYLK-AS1	52.08390943		55.46118006	
75.82408927	64.73016585				
LOC440982	LOC440982	0	0	1.115060136	0
LMLN-AS1	LMLN-AS1	65.62572589		29.05109432	
92.54999131	83.36460754				
LINC01410	LINC01410	9.375103698		6.16235334	
10.03554123	0.980760089				
ZNF385D-AS1	ZNF385D-AS1	0	0.880336191	0	0
STT3B	STT3B	24880.48354	25145.04264	18145.3736	
17342.78065					
GLYCTK-AS1	GLYCTK-AS1	13.54181645		14.08537906	0
6.865320621					
PLCXD2-AS1	PLCXD2-AS1	56.25062219		44.01680957	
26.76144327	27.46128248				
ZBTB20	ZBTB20	155.2100501	207.7593412	1055.961949	
967.0294474					
LOC101929754	LOC101929754	1.041678189		0	0
ZBTB20-AS4	ZBTB20-AS4	1.041678189		0.880336191	
5.575300681	3.923040355				
B4GALT4-AS1	B4GALT4-AS1	142.7099119		95.07630868	
183.9849225	194.1904976				
ATP13A4-AS1	ATP13A4-AS1	4.166712755		1.760672383	0
0					
TM4SF19-AS1	TM4SF19-AS1	7.291747321		7.042689532	

12.2656615	12.74988115				
HDAC11-AS1	HDAC11-AS1	8.33342551	5.282017149		
11.15060136	7.846080709				
LOC101927854	LOC101927854	1.041678189	0	0	
2.942280266					
ARHGAP31-AS1	ARHGAP31-AS1	4.166712755	0	5.575300681	
	7.846080709				
ERICH6-AS1	ERICH6-AS1	66.66740408	75.70891246		
83.62951022	99.05676896				
IQCJ-SCHIP1-AS1	IQCJ-SCHIP1-AS1	0	0.880336191	0	0
NAALADL2-AS2	NAALADL2-AS2	0	0	0	3.923040355
SPINK1 SPINK1	0 0	1.115060136	0		
LINC00824	LINC00824	2.083356377	4.401680957		
140.4975772	17.6536816				
LOC51145	LOC51145	0	0.880336191	0	0
C1orf95 C1orf95	0 1.760672383	3.345180409	0		
ZNF561-AS1	ZNF561-AS1	193.7521431	132.0504287		
325.5975598	140.2486927				
LOC284930	LOC284930	2.083356377	0	0	
0.980760089					
KRBOX1-AS1	KRBOX1-AS1	0	1.760672383	0	0
ARRDC1-AS1	ARRDC1-AS1	701.049421	757.9694608		
810.6487191	814.0308736				
LOC285043	LOC285043	0	1.760672383	0	
2.942280266					
LOC400997	LOC400997	0	0	0	0.980760089
LOC642757	LOC642757	4.166712755	7.923025723		
7.805420954	11.76912106				
LOC729083	LOC729083	1.041678189	3.521344766		
5.575300681	1.961520177				
H0XA-AS2	H0XA-AS2	0	0	3.345180409	
0.980760089					
LOC403323	LOC403323	23.95859834	27.29042193		
24.531323	15.69216142				
LINC01296	LINC01296	25.00027653	0	32.33674395	
	2.942280266				
DOK5 DOK5	434.3798047	519.3983529	94.78011158		
133.3833721					
DUXAP8 DUXAP8	15.62517283	5.282017149	16.72590204		
0.980760089					
LINC00969	LINC00969	337.5037331	333.6474166		
287.6855152	350.1313517				
LOC439933	LOC439933	161.4601192	155.8195059		
252.0035908	251.0745827				
CYP51A1-AS1	CYP51A1-AS1	38.54209298	54.58084387		
36.7969845	27.46128248				
BICC1 BICC1	11.45846008	48.41849053	0	13.73064124	
LOC100049716	LOC100049716	109.3762098	207.7593412		
113.7361339	179.4790962				
TGFB3 TGFB3	14.58349464	46.65781815	3.345180409		

30.40356275				
LOC730202	LOC730202		65.62572589	88.91395534
14.49578177	46.09572417			
LOC728485	LOC728485		39.58377117	28.17075813
30.10662368	65.71092594			
TSL TSL	1.041678189		6.16235334	0 4.903800443
NINJ2 NINJ2	858.3428275		1072.249481	502.8921215
569.8216115				
MTMR12 MTMR12	3151.076521		3327.670804	2405.184714
3062.913757				
CLK2 CLK2	1158.346146		2166.507367	1323.576382
1614.331106				
MFSD7 MFSD7	30.20866747		32.57243908	46.83252572
49.03800443				
SDHA SDHA	24608.60553		19161.39754	19205.79579
18327.46378				
DAPK3 DAPK3	1509.391695		1823.176252	1088.298693
1296.564837				
HAS1 HAS1	0 0		18.95602232	7.846080709
TMEM175 TMEM175	839.5926201		735.0807199	735.9396899
727.7239858				
MAEA MAEA	4612.55102		3816.25739	3788.974343
4294.748428				
HGFAC HGFAC	0 0		0 0.980760089	
LOC399491	LOC399491		244.7943743	589.8252483
378.0053862	455.0726811			
PKD1P6 PKD1P6	166.6685102		382.9462433	252.0035908
310.9009481				
TMEM128 TMEM128	1731.26915		1441.990682	2299.254001
1774.195				
HTRA3 HTRA3	18.7502074		7.923025723	0 0.980760089
ZNF131 ZNF131	1520.850156		1560.836067	1878.87633
1615.311866				
TRERF1 TRERF1	540.6309799		3939.504457	788.3475163
1993.88526				
FAM9B FAM9B	0 0		3.345180409	0.980760089
TCEANC TCEANC	377.0875043		262.340185	879.7824475
449.1881206				
HNRNPR HNRNPR	24829.44131		21246.03364	16144.95571
19700.5279				
MAP3K6 MAP3K6	330.2119858		679.6195398	307.7565976
668.8783805				
LOC729867	LOC729867		37.50041479	121.4863944
45.71746559	53.94180488			
CDCA3 CDCA3	4035.461303		3587.36998	1961.39078
2776.531811				
ZNF823 ZNF823	346.8788368		244.7334612	625.5487364
344.2467911				
SIN3B SIN3B	717.716272		868.8918209	605.477654
642.3978581				

ZNF461	ZNF461	277.0863982	210.4003498	556.415008	
317.7662687					
ZNF480	ZNF480	1488.558132	1342.512692	1563.314311	
1265.180514					
SEL1L3	SEL1L3	7094.870143	9550.767341	5293.190467	
6944.762188					
SPATA18	SPATA18	23.95859834	11.44437049	55.75300681	0
SNX14	SNX14	4340.673012	4357.664148	3258.205718	
4051.519926					
MIER3	MIER3	1875.02074	2413.881837	1964.73596	
1838.925166					
EIF3K	EIF3K	7464.6659	7166.816934	5971.14703	
5467.737494					
ZNF570	ZNF570	194.7938213	201.5969878	689.1071642	
256.9591432					
TMEM53	TMEM53	187.502074	240.3317803	206.2861252	
226.5555805					
LMBR1L	LMBR1L	1827.103543	2003.645172	2680.604568	
2420.515899					
RASGEF1B	RASGEF1B		51.04223125	110.0420239	
908.7740111	412.8999973				
MRPL9	MRPL9	6394.8624	4884.985526	5170.533852	
4812.589755					
TSEN15	TSEN15	5379.226166	5559.323049	4705.553775	
5520.698539					
ANGEL2	ANGEL2	2388.568087	2173.550057	2613.700959	
2782.416372					
LYPLAL1	LYPLAL1	1452.099395	1331.948658	1390.47999	
1387.775525					
PRIMPOL	PRIMPOL	1325.014656	1222.78697	853.0210042	
1079.816858					
LOH12CR1	LOH12CR1		1412.515624	1232.470668	
1178.618564	1085.701418				
SLC9B2	SLC9B2	2178.149093	1240.393694	1541.013108	
1824.213765					
NUDT12	NUDT12	9.375103698	35.21344766	99.24035213	
124.5565313					
NAA40	NAA40	1590.642594	1843.423985	1072.687851	
1494.678375					
C11orf85	C11orf85		0	11.44437049	12.2656615
	23.53824213				
KIF3A	KIF3A	2483.360802	1177.889824	1923.478735	
1092.566739					
ERP27	ERP27	319.7952039	378.5445623	185.0999826	
209.882659					
DERA	DERA	3042.741989	3127.834488	2503.310006	
2400.900697					
RAN	RAN	65517.39136	46708.87765	53736.97809	
52670.7398					
ZNF140	ZNF140	1526.058546	1300.256555	2700.67565	

1797.733243				
MTTP	MTTP	8.33342551	0	0
SEMA6A	SEMA6A	47.91719668	44.89714576	1.961520177
78.46080709				97.01023186
RNF19B	RNF19B	846.8843674	670.8161779	617.7433155
402.1116364				
ZCCHC10	ZCCHC10	2621.904001	2090.798455	2270.262437
1894.828491				
TEX38	TEX38	3.125034566	1.760672383	6.690360818
4.903800443				
PIF0	PIF0	7.291747321	2.641008574	12.2656615
15.69216142				
C1orf162	C1orf162		52.08390943	38.73479242
1038.120987		502.1491654		
CIART	CIART	20.83356377	30.8117667	160.5686596
237.3439415				
PCDH18	PCDH18	0	4.401680957	36.7969845
				0
C1orf131	C1orf131		1581.26749	1478.084465
1090.528813		1161.219945		
RC3H1	RC3H1	1748.977679	2398.035785	2063.976312
1899.732292				
FOSL1	FOSL1	356.2539405	165.503204	506.2373019
610.0327752				
SLC35F3	SLC35F3	713.5495593	291.3912794	340.0933416
276.574345				
MIA3	MIA3	3379.204044	3703.574357	7108.508369
4688.033224				
SLC25A45	SLC25A45		442.7132302	508.8343187
468.3252572		574.725412		
KRT78	KRT78	1.041678189	0	0
EIF4B	EIF4B	7064.661476	6912.399775	10003.20448
8714.053388				
MPND	MPND	145.8349464	419.0400271	128.2319157
179.4790962				
DDX46	DDX46	3385.454113	3385.772992	2643.807583
2777.512571				
LOC102724105	LOC102724105		23.95859834	19.36739621
114.851194		20.59596186		
CCDC181	CCDC181	8.33342551	4.401680957	4.460240545
5.884560532				
MRPL2	MRPL2	2042.730928	2008.927189	1832.043804
1988.98146				
ABLIM3	ABLIM3	21.87524196	28.17075813	0
CD55	CD55	5766.730453	3164.808608	25.49976231
4110.365532				8049.619124
DNAJB1	DNAJB1	8700.096232	7174.73996	11129.41522
8267.807547				
SYDE1	SYDE1	35.41705842	26.41008574	15.61084191
32.36508293				
CIB3	CIB3	2.083356377	3.521344766	1.115060136

3.923040355				
SCLT1	SCLT1	2010.438904	1421.742949	1234.371571
1142.585503				
GMFG	GMFG	18152.28412	21913.32848	8045.158883
12032.94553				
IBTK	IBTK	4202.129813	4829.524346	3280.506921
3228.662212				
SRSF10	SRSF10	1187.513135	948.1220782	1121.750497
1125.912582				
BSDC1	BSDC1	3289.61972	2978.177336	4067.739377
3606.254846				
YEATS4	YEATS4	3279.202938	3513.42174	2320.440144
2489.169105				
CNOT8	CNOT8	8505.302411	8236.425407	8102.02695
7385.123468				
ZNF567	ZNF567	754.1750086	706.9099617	1401.630591
908.1838421				
TMCC3	TMCC3	15.62517283	66.02521436	3.345180409
88.26840798				
C11orf30	C11orf30		1867.728992	2192.917453
2096.313056	1775.17576			
ACER3	ACER3	1491.683166	1161.163437	1142.93664
850.3189969				
CSRP2	CSRP2	79.16754234	22.88874098	16.72590204
22.55748204				
ANKRD42	ANKRD42	201.0438904	184.8706002	642.2746385
480.5724434				
SNRNP70	SNRNP70	9936.568242	9077.14647	6331.311454
8484.555527				
MORN1	MORN1	81.25089872	93.31563629	140.4975772
130.4410918				
LONP2	LONP2	5760.480384	5054.890411	5137.082048
5683.504714				
NR2C2AP	NR2C2AP	2126.065183	1945.542983	1885.56669
2271.440365				
ZNF101	ZNF101	3139.618061	3273.08996	2881.315392
3889.694512				
ZNF91	ZNF91	822.9257691	1282.649831	2941.528639
2004.673621				
C19orf40	C19orf40		594.7982457	782.6188742
317.7921388	487.4377641			
ETV2	ETV2	16.66685102	37.85445623	7.805420954
19.61520177				
CDK19	CDK19	237.502627	542.2870939	204.0560049
178.4983361				
PPIA	PPIA	105629.2934	102963.2406	78369.77156
84347.32915				
TMC06	TMC06	977.094141	1200.778565	813.9938995
1379.929445				
MT1F	MT1F	231.2525579	306.3569946	263.1541922

253.0361029					
FAM221A	FAM221A	198.960534	172.5458935	333.4029807	
246.1707823					
TJP1	TJP1	2.083356377	0	0	18.63444168
USP28	USP28	3697.95757	4049.546481	1882.22151	
2491.130625					
NUDT4	NUDT4	5778.188913	4305.724312	5501.706712	
4929.300206					
ERF	ERF	83.3342551	285.228926	192.9054036	
160.8446545					
ARL1	ARL1	3158.368268	2490.471086	3339.605108	
2830.473616					
VASH2	VASH2	37.50041479	91.55496391	39.02710477	
54.92256497					
ZNF114	ZNF114	29.16698928	12.32470668	0	12.74988115
RRN3	RRN3	5052.139215	4620.004333	5672.310913	
5820.811126					
LOC100506679	LOC100506679		61.45901313	59.86286102	
31.22168382	69.6339663				
USP46-AS1	USP46-AS1		22.91692015	23.76907717	
13.38072164	16.67292151				
MKLN1-AS	MKLN1-AS		116.6679571	100.3583258	
146.0728779	149.0755335				
LOC401585	LOC401585		31.25034566	22.88874098	
18.95602232	12.74988115				
HNRNPUL1	HNRNPUL1		5485.477342	12205.86129	
5391.315759	5244.124194				
BAHD1	BAHD1	119.7929917	647.0471007	401.4216491	
257.9399033					
MTERF1	MTERF1	1395.848773	993.0192239	1265.593255	
1329.91068					
VPS39	VPS39	6020.899931	5948.431646	6446.162648	
6723.110408					
LOC100419583	LOC100419583		4733.385689	4502.039283	
4867.237495	4223.152942				
LOC100288152	LOC100288152		15.62517283	4.401680957	
10.03554123	3.923040355				
USP30	USP30	970.8440719	767.6531589	1374.869148	
868.9534386					
LOC100507437	LOC100507437		40.62544936	55.46118006	
44.60240545	45.11496408				
NHLRC4	NHLRC4	11.45846008	30.8117667	13.38072164	
24.51900222					
LOC100507530	LOC100507530		119.7929917	117.9650497	
148.3029981	151.0370537				
LOC101926926	LOC101926926		18.7502074	17.60672383	
1.115060136	2.942280266				
LOC101927003	LOC101927003		47.91719668	18.48706002	
41.25722504	59.82636541				
LOC101927066	LOC101927066		0	0	7.805420954
					0

DIAPH2-AS1	DIAPH2-AS1	1.041678189	0	0	0
MYEF2 MYEF2	452.0883339	665.5341607	289.9156354		
491.3608044					
TMED3 TMED3	3606.289889	2775.700012	2309.289542		
2468.573143					
CDKN2AIP	CDKN2AIP	3316.703353	2759.85396		
4460.240545	2973.664589				
LING01 LING01	0 0	0	4.903800443		
LOC101928323	LOC101928323	1.041678189	0.880336191		
3.345180409	0.980760089				
LOC102724297	LOC102724297	34.37538023	30.8117667		
21.18614259	21.57672195				
LOC102723582	LOC102723582	26.04195472	11.44437049		
26.76144327	8.826840798				
LOC101927056	LOC101927056	4.166712755	1.760672383		
11.15060136	2.942280266				
GATA2-AS1	GATA2-AS1	3.125034566	1.760672383		0
0					
PAQR9-AS1	PAQR9-AS1	15.62517283	25.52974955		
3.345180409	20.59596186				
LOC101928739	LOC101928739	0	1.760672383	0	0
LOC102724699	LOC102724699	1.041678189	24.64941336		
4.460240545	4.903800443				
LOC100505920	LOC100505920	5.208390943	13.20504287		0
0					
LOC101929337	LOC101929337	0	9.683698106	0	0
TUSC2 TUSC2	2636.487496	2411.240828	2859.014189		
2165.518276					
LOC101927815	LOC101927815	26.04195472	20.2477324		
8.92048109	14.71140133				
LOC101929128	LOC101929128	1.041678189	0	0	
1.961520177					
LOC101929229	LOC101929229	2.083356377	0	11.15060136	
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LOC101929066	LOC101929066	7.291747321	22.88874098		
36.7969845	30.40356275				
LOC101929237	LOC101929237	0	0	0	0.980760089
LOC101927067	LOC101927067	1.041678189	0	0	0
LOC101927221	LOC101927221	15.62517283	13.20504287		
28.99156354	22.55748204				
LOC101927543	LOC101927543	7.291747321	2.641008574		
22.30120273	2.942280266				
LOC101927588	LOC101927588	10.41678189	2.641008574		
1.115060136	0.980760089				
LOC101927657	LOC101927657	3.125034566	5.282017149		0
0					
LOC101927822	LOC101927822	0	2.641008574	0	
1.961520177					
ERC1 ERC1	1389.598704	1716.655573	1340.302284		
1586.869823					

METTL8	METTL8	1369.806818	1096.898895	1548.818529	
1519.197377					
N6AMT1	N6AMT1	477.0886104	377.6642261	448.2541748	
501.1684053					
LOC100506022	LOC100506022		13.54181645	9.683698106	
31.22168382	6.865320621				
OAZ2	OAZ2	3768.791687	3862.034872	3389.782814	
3909.309713					
APOBEC3H	APOBEC3H		1447.932682	871.5328295	
618.8583756	495.2838448				
POT1-AS1	POT1-AS1		21.87524196	18.48706002	
21.18614259	21.57672195				
ZNF169	ZNF169	122.9180263	184.8706002	389.1559876	
206.9403787					
RNU6-2	RNU6-2	30.20866747	58.10218863	44.60240545	
40.21116364					
LLPH-AS1	LLPH-AS1		52.08390943	66.90555055	
42.37228518	67.67244612				
MT1G	MT1G	189.5854303	393.5102776	212.976486	
296.1895468					
MIR325HG	MIR325HG		0	0.880336191	0
CYP2C19	CYP2C19	1.041678189	0	8.92048109	0
TTTY14	TTTY14	0	7.923025723	0	10.78836098
UNC93B1	UNC93B1	1169.804606	949.8827506	1271.168555	
1083.739898					
LOC154872	LOC154872		0	0	1.115060136
NUDT17	NUDT17	138.5431991	161.101523	157.2234792	0
180.4598563					
C1orf186	C1orf186		8.33342551	3.521344766	0
7.846080709					
TBC1D3C	TBC1D3C	42.70880574	54.58084387	51.29276627	
65.71092594					
FM02	FM02	0	0.880336191	0	0
LINC01058	LINC01058		2.083356377	4.401680957	
7.805420954	3.923040355				
LINC01068	LINC01068		6.250069132	14.08537906	0
20.59596186					
LINC00377	LINC00377		0	0	0
LINC01269	LINC01269		1.041678189	0	2.942280266
3.923040355					1.115060136
HTN1	HTN1	0	0	0.980760089	
LINC01287	LINC01287		0	0	1.115060136
LURAP1L-AS1	LURAP1L-AS1		0	0	2.230120273
LINC01038	LINC01038		0	0	0
MYCNUT	MYCNUT	0	0	0.980760089	1.961520177
BIRC6-AS2	BIRC6-AS2		9.375103698	16.72638764	
16.72590204	11.76912106				