

SUPPLEMENTAL TABLE 13. Results of bulk RNA-seq comparing GBM43 knockdown vs. GBM43 control cells in the core fractions after invading 3D hydrogels.

gene_id	CTHKD_CORE1	CTHKD_CORE2	CTHKD_CORE3	NT_CORE1	
	NT_CORE2	NT_CORE3	CTH_KD_Core	Wt_Core	
log2FoldChange	pvalue	padj	gene_name	gene_chr	
gene_start	gene_end	gene_strand	gene_length		
gene_biotype	gene_description	tf_family			
CTHKD_CORE1_count	CTHKD_CORE2_count	CTHKD_CORE3_count			
NT_CORE1_count	NT_CORE2_count	NT_CORE3_count			
CTHKD_CORE1_fpk	CTHKD_CORE2_fpk	CTHKD_CORE3_fpk			
NT_CORE1_fpk	NT_CORE2_fpk	NT_CORE3_fpk			
ENSG00000251562	8418.163108	6151.503808	7290.64312		
3726.095814	3439.975321	3772.086973	7286.770012		
3646.052703	0.998740712	4.92E-14	9.03E-11		MALAT1
11	65497688	65506516	+	8829	
lincRNA metastasis associated lung adenocarcinoma transcript 1					
[Source:HGNC Symbol;Acc:HGNC:29665]					
	-	8752	7070		7836
3381	2838	4086	47.92885	34.89526451	
41.43133681	21.27872969	19.758239	21.51879081		
ENSG00000245532	17718.3481	12167.27429	21162.96177		
6395.307309	8206.001735	8008.530223	17016.19472		
7536.613089	1.174889579	2.42E-12	2.22E-09		NEAT1
11	65422774	65445540	+	22767	
lincRNA nuclear paraspeckle assembly transcript 1 [Source:HGNC					
Symbol;Acc:HGNC:30815]					
	-	18421	13984	22746	5803
8675	39.12087965	26.76604511	46.63857399		6770
14.16311582	18.27806516	17.71718394			
ENSG00000248527	2322.882073	2289.194699	2012.463128		
3827.486177	3753.912463	3700.079439	2208.179967		
3760.492693	-0.768019881	3.06E-10	1.87E-07		
MTATP6P1	1	633696	634376	+	681
unprocessed_pseudogene MT-ATP6 pseudogene 1 [Source:HGNC					
Symbol;Acc:HGNC:44575]					
	-	2415	2631	2163	3473
4008	171.4633244	168.357448	148.270736		3097
283.3803387	279.5383862	273.6601868			
ENSG00000179813	448.2248638	405.4597984	330.2933011		
109.1048464	88.48421369	144.015068	394.6593211		
113.8680427	1.788974628	6.31E-09	1		FAM216B 13
42781550	42791549	+	3308		protein_coding
family with sequence similarity 216 member B [Source:HGNC					
Symbol;Acc:HGNC:26883]					
	-	466	466	355	99
156	6.811168625	6.138736804	5.009667339		73
1.662959748	1.356452903	2.192755028			
ENSG00000172893	2137.243879	2056.01181	2262.741714		
3492.457154	4946.631179	3393.585833	2151.999134		

3944.224722	-0.873728204	2.36E-08	1.08E-05	DHCR7
11	71428193	71452868	- 4160	
protein_coding	7-dehydrocholesterol reductase [Source:HGNC			
Symbol;Acc:HGNC:2860]	-	2222 2363	2432 3169	4081
3676	25.82569041	24.75306537	27.29080057	
42.3292869	60.30045989	41.08782858		
ENSG00000185567	2601.820293	2379.683581	3317.81947	
1740.167196	1203.627729	1283.211183	2766.441115	
1409.002036	0.973307642	4.16E-08	1	AHNAK2 14
104937244	104978357	-	18771	protein_coding
AHNAK nucleoprotein 2 [Source:HGNC				
Symbol;Acc:HGNC:20125]	-	2705 2735	3566 1579	993 1390
6.967565759	6.34933905	8.868291604	4.674194327	
3.251690476	3.443169548			
ENSG00000137310	1799.632447	1821.088751	2067.356944	
3192.694343	3152.704655	2861.837889	1896.026047	
3069.078963	-0.694647523	8.78E-08	3.17E-05	TCF19
6	31158542	31167159	+ 3538	
protein_coding	transcription factor 19 [Source:HGNC			
Symbol;Acc:HGNC:11629]	Others	1871 2093	2222 2897	2601
3100	25.56920207	25.77923334	29.31785968	
45.49908996	45.18870377	40.74130007		
ENSG00000188486	4075.383579	3967.589443	4610.150161	
6392.001101	6237.531009	6536.06847	4217.707728	
6388.533527	-0.599112744	1.03E-07	3.17E-05	H2AFX
11	119093854	119095467	- 1614	
protein_coding	H2A histone family member X [Source:HGNC			
Symbol;Acc:HGNC:4739]	-	4237 4560	4955 5800	5146
7080	126.9276239	123.1175345	143.3131904	
199.6808914	195.9808386	203.9673932		
ENSG00000116133	5156.509646	3934.526198	4950.677902	
7583.337858	9215.691461	6849.947464	4680.571249	
7882.992261	-0.751974055	1.57E-07	4.12E-05	DHCR24
1	54849627	54887271	- 6290	
protein_coding	24-dehydrocholesterol reductase [Source:HGNC			
Symbol;Acc:HGNC:2859]	-	5361 4522	5321 6881	7603
7420	41.20940825	31.32842129	39.49013781	
60.78731433	74.29878387	54.85096568		
ENSG00000134824	6015.446992	6123.661075	7994.958695	
13860.72377	14472.62344	8374.106934	6711.355587	
12235.81805	-0.86630761	9.92E-07	0.000227623	FADS2
11	61792980	61867354	+ 11026	
protein_coding	fatty acid desaturase 2 [Source:HGNC			
Symbol;Acc:HGNC:3575]	-	6254 7038	8593 12577	11940
9071	27.42465073	27.81569221	36.38085149	
63.38275559	66.56312437	38.25323751		
ENSG00000137857	88.49074565	27.84273294	70.71067855	
5.510345777	0	1.846347025	62.34805238	2.452230934
4.656022391	4.07E-06	1	DUOX1	15
45129933	45165576	+ 8784	protein_coding	dual

oxidase 1 [Source:HGNC Symbol;Acc:HGNC:3062]	-	92	32	
76	5	0	2	0.506403521
0.403893906	0.03162931	0	0.010586897	0.158750919
ENSG00000115758	5353.690112	4725.43383	4933.930637	
6449.308698	7483.582676	7960.5252	5004.351526	
7297.805524	-0.544415778	6.17E-06	0.001258086	ODC1
2	10439968	10448504	-	2968
protein_coding	ornithine decarboxylase 1 [Source:HGNC			
Symbol;Acc:HGNC:8109]	-	5566	5431	5303
8623	90.67352966	79.73968284	83.40724307	5852
109.5601112	127.8645306	135.0907173		6174
ENSG00000167615	2322.882073	1444.341771	2527.906758	
1110.885709	1218.173079	1127.194859	2098.376868	
1152.084549	0.864992883	8.38E-06	1	LENG8
54448887	54462037	+	6469	19
leukocyte receptor cluster member 8 [Source:HGNC				protein_coding
Symbol;Acc:HGNC:15500]	-	2415	1660	2717
1221	18.05016601	11.18225868	19.60643	1008
8.658355724	9.549404081	8.776261011		1005
ENSG00000105011	732.9342194	656.0443948	876.4402526	
1671.838909	1421.807982	1083.805704	755.1396223	
1392.484198	-0.882485311	8.73E-06	1	ASF1B
14119509	14136956	-	2304	19
anti-silencing function 1B histone chaperone [Source:HGNC				protein_coding
Symbol;Acc:HGNC:20996]	-	762	754	942
1174	15.99092967	14.26091755	19.08597998	1517
36.5860185	31.2941311	23.69281374		1173
ENSG00000165029	711.7733889	671.7059321	466.1322363	
307.4772944	178.1805399	301.8777387	616.5371857	
262.5118576	1.229816883	9.39E-06	1	ABCA1
104781002	104928237	-	11350	9
ATP binding cassette subfamily A member 1 [Source:HGNC				protein_coding
Symbol;Acc:HGNC:29]	-	740	772	501
327	3.152369193	2.964012539	2.060572503	279
1.365904656	0.796102217	1.339623968		147
ENSG00000196230	32233.71596	31872.96853	30615.86301	
42975.18672	44387.56035	39229.33525	31574.1825	
42197.36077	-0.418376976	1.66E-05	0.003040965	TUBB
6	30720201	30725426	+	3359
protein_coding	tubulin beta class I [Source:HGNC			
Symbol;Acc:HGNC:20778]	-	33512	36632	32906
42494	482.3825178	475.2358825	457.3104498	38995
645.0761191	670.1248088	588.2319746		36620
ENSG00000114270	2227.658336	1518.29903	2551.16685	
1261.869183	1263.021242	1072.727622	2099.041405	
1199.206016	0.80786716	1.84E-05	1	COL7A1
48564073	48595267	-	11071	3
collagen type VII alpha 1 chain [Source:HGNC				protein_coding
Symbol;Acc:HGNC:2214]	-	2316	1745	2742
1162	10.11469801	6.868583437	11.56183149	1145
				1042

5.746860823	5.785331224	4.88034243							
ENSG00000141030	3347.25864	3386.372393	3328.984314						
4626.486314	4797.54134	4438.618249	3354.205116						
4620.881968	-0.462051879	2.65E-05	0.004416978	COPS3					
17	17246820	17281293	-	2788					
protein_coding	COP9 signalosome subunit 3 [Source:HGNC								
Symbol;Acc:HGNC:2239]	-	3480	3892	3578	4198	3958			
4808	60.35144752	60.83291953	59.90921136						
83.6684471	87.26304846	80.18676772							
ENSG00000254527	36.55052538	26.10256213	18.6080733	0					
0	0	27.0870536	0	7.101184645					
2.87E-05	1	ENPP7P12	8	12205759					
12206389	-	631	processed_pseudogene	ectonucleotide					
pyrophosphatase/phosphodiesterase 7	pseudogene 12 [Source:HGNC								
Symbol;Acc:HGNC:48697]	-	38	30	20	0	0			
0	2.911759183	2.071812711	1.479608005	0					
0	0								
ENSG00000179698	38.47423724	43.50427021	6.512825656	0					
0	0	29.49711104	0	7.224634276					
2.90E-05	1	WDR97	8	144107726	144118315				
+	8967	protein_coding	WD repeat domain	97					
[Source:HGNC	Symbol;Acc:HGNC:26959]					-	40	50	7
0	0	0	0.215682068	0.242986101					
0.036441555	0	0	0						
ENSG00000146670	915.6868463	897.9281372	805.7295741						
1580.367169	1206.051954	1461.383671	873.1148525						
1415.934264	-0.697875686	3.27E-05	1	CDCA5	11				
65066300	65084164	-	3925	protein_coding					
cell division cycle associated 5	[Source:HGNC								
Symbol;Acc:HGNC:14626]	-	952	1032	866	1434	995			
1583	11.72731266	11.45773132	10.29969269						
20.30119178	15.58227196	18.75306556							
ENSG00000111863	733.8960753	948.3930906	940.6381055						
466.1752527	504.2388068	529.9015963	874.3090905						
500.1052186	0.805781529	3.86E-05	1	ADTRP	6				
11712054	11807046	-	4150	protein_coding					
androgen dependent TFPI	regulating protein [Source:HGNC								
Symbol;Acc:HGNC:21214]	-	763	1090	1011	423	416			
574	8.889506621	11.44555875	11.37232061						
5.663753118	6.16158713	6.431241436							
ENSG00000187778	1202.319914	1152.863161	1166.726196						
1622.245797	1852.107925	1808.496911	1173.969757						
1760.950211	-0.584995272	3.93E-05	1	MCRS1	12				
49556544	49568153	-	3269	protein_coding					
microspherule protein 1	[Source:HGNC								
Symbol;Acc:HGNC:6960]	-	1250	1325	1254	1472	1528	1959		
18.48827145	17.66280017	17.9072399	25.02101556						
28.7313342	27.86445374								
ENSG00000240342	6749.343067	7002.447333	7245.983744						
8726.183573	9689.627455	10114.28901	6999.258048						

9510.033344	-0.442295515	3.94E-05	0.006028478	RPS2P5
12	118246084	118246962	+ 879	
processed_pseudogene	ribosomal protein S2 pseudogene 5 [Source:HGNC			
Symbol;Acc:HGNC:31386]	-	7017 8048	7788 7918	7994
10956	385.9791256	398.9860307	413.6024509	
500.5398579	559.0139286	579.5543457		
ENSG00000089157	36136.92733	40262.332	42767.86528	
47242.39849	61490.46795	59038.79249	39722.37487	
55923.88631	-0.493507862	4.64E-05	0.006369658	RPLP0
12	120196686	120201235	- 4001	
protein_coding	ribosomal protein lateral stalk subunit P0			
[Source:HGNC Symbol;Acc:HGNC:10371]	-		37570 46274	45967
42867	50730 63952	454.0188248	503.9959988	
536.319571	595.3420838	779.3699758	743.2186475	
ENSG00000231595	30.77938979	20.0119643	25.12089896	0
0	0	25.30408435	0	7.00284443
4.71E-05	1	AC005224.1	17	14210488
14217922	+	1537	lincRNA novel transcript	-
32	23	27	0	0
0.652097547	0.820041691	0	0	1.006647287
ENSG00000160408	15.3896949	25.23247672	36.28574294	0
0	0	25.63597152	0	7.022149988
4.81E-05	1	ST6GALNAC6	9	127885321
127905408	-	5307	protein_coding "ST6 N-	
acetylgalactosaminide alpha-2,6-sialyltransferase 6 [Source:HGNC				
Symbol;Acc:HGNC:23364]"	-	16	29	39
0	0.145771328	0.238126379	0.343053264	0
0	0			
ENSG00000142230	2960.592555	2741.639109	2910.302665	
4066.635183	3858.154139	3946.566767	2870.844776	
3957.118697	-0.463070535	4.86E-05	0.006369658	SAE1
19	47113274	47210636	+ 3396	
protein_coding	SUM01 activating enzyme subunit 1 [Source:HGNC			
Symbol;Acc:HGNC:30660]	-	3078 3151	3128 3690	3183
4275	43.8230046	40.43331222	42.99768747	
60.37688852	57.61244642	58.53282101		
ENSG00000129003	1268.687973	1182.446064	1136.022875	
830.9601432	721.2069472	560.3663222	1195.718971	
704.1778042	0.764864413	4.88E-05	1	VPS13C 15
61852389	62060473	-	19703	protein_coding
vacuolar protein sorting 13 homolog C [Source:HGNC				
Symbol;Acc:HGNC:23594]	-	1319 1359	1221 754	595
607	3.236783523	3.005700455	2.892872829	
2.126429713	1.856230775	1.432475991		
ENSG00000229163	0	0	18.73517564	14.5453502
38.77328753	0	24.01793779	-7.151429952	
5.22E-05	1	NAP1L1P2	Y	2929001 2931120 -
1089	processed_pseudogene	nucleosome assembly protein 1		
like 1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:38005]	-			0
0	0	17	12	42
			0	0
			0	0

	0.867427298	0.677330647	1.793297854			
ENSG0000073756	202.9516014	220.1316073	150.7253938			
465.0731836	424.2393807	356.3449759	191.2695342			
415.2191801	-1.117343433	5.27E-05	1	PTGS2	1	
186671791	186680427	-	5269	protein_coding		
	prostaglandin-endoperoxide synthase 2 [Source:HGNC					
Symbol;Acc:HGNC:9605]	-	211	253	162	422	350
386	1.936223439	2.092429915	1.435267503			
4.45037181	4.083073577	3.406356705				
ENSG00000101057	1224.4426	1164.174271	1397.466305			
2399.204551	2094.530428	1622.939035	1262.027725			
2038.891338	-0.691663815	5.29E-05	1	MYBL2	20	
43667019	43716496	+	2777	protein_coding		
	MYB proto-oncogene like 2 [Source:HGNC Symbol;Acc:HGNC:7548]					
MYB	1273	1338	1502	2177	1728	1758
22.16428574	20.99610961	25.24876201	43.56067421			
38.24857139	29.43567567					
ENSG0000010256	3671.404088	3452.498884	3927.233871			
4672.773219	5390.26436	5303.631831	3683.712281			
5122.223137	-0.475662462	6.42E-05	0.00786335			UQCRC1
3	48599002	48610976	-	3236		
	protein_coding ubiquinol-cytochrome c reductase core protein 1					
[Source:HGNC Symbol;Acc:HGNC:12585]	-		3817	3968	4221	
4240	4447	5745	57.0315091	53.4344998		
60.89096756	72.80637149	84.47067735	82.54913717			
ENSG00000196460	852.2043548	773.5059244	1009.487977			
511.3600881	564.8444326	427.4293364	878.3994186			
501.2112857	0.81061857	6.73E-05	1	RFX8	2	
101397361	101474703	-	2854	protein_coding		
	"RFX family member 8, lacking RFX DNA binding domain					
[Source:HGNC Symbol;Acc:HGNC:37253]"	RFX		886	889	1085	
464	466	463	15.01000959	13.57395453		
17.74687152	9.033916153	10.03643111	7.543241992			
ENSG00000185813	653.1001771	660.3948218	760.1397945			
1088.844326	1133.325203	1071.804448	691.2115978			
1097.991326	-0.667530015	6.81E-05	1	PCYT2	17	
81900965	81911464	-	6897	protein_coding		
	"phosphate cytidyltransferase 2, ethanolamine [Source:HGNC					
Symbol;Acc:HGNC:8756]"	-	679	759	817	988	935
1161	4.760041782	4.795569039	5.529780165			
7.959921087	8.332949408	7.827138378				
ENSG00000254995	23.08454234	26.10256213	21.3992843			0
0	0	23.52879626	0	6.898341234		
8.17E-05	1	STX16-NPEPL1	20	58651434		
58715410	+	3859	protein_coding	STX16-NPEPL1		
	readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:41993] -					
24	30	23	0	0	0	0.300702944
0.338770101	0.278226885	0	0	0		
ENSG00000251050	19.23711862	22.62222051	26.98170629			0
0	0	22.94701514	0	6.862170183		

0.000101052	1	AC112184.1	5	80019609		
80019920	+	312	processed_pseudogene	ring-box 1		
(RBX1) pseudogene	-	20	26	29	0	0
0	3.099392788	3.631427279	4.338997898	0		
0	0					
ENSG00000124766	1197.510634	1542.661422	1030.887261			
692.0994296	700.6010344	843.7805906	1257.019772			
745.4936849	0.75324673	0.000105682	1	SOX4	6	
21592768	21598619	+	5852	protein_coding		
SRY-box 4 [Source:HGNC Symbol;Acc:HGNC:11200]		HMG	1245			
1773	1108	628	578	914	10.28646732	
13.20270793	8.838559274	5.963035158	6.071148854			
7.262278447						
ENSG00000150672	3.847423724	31.32307455	41.86816493	0		
0	0	25.6795544	0	7.024952204		
0.000105795	1	DLG2	11	83455012	85627922	
-	16709	protein_coding	discs large	MAGUK scaffold		
protein 2 [Source:HGNC Symbol;Acc:HGNC:2901]	-	4	36			
45	0	0	0	0.011574727	0.093888119	
0.125721076	0	0	0			
ENSG00000099250	6226.093441	6094.078171	6748.217784			
5159.887786	4401.180547	4321.375213	6356.129799			
4627.481182	0.457973969	0.000111898	0.012840275		NRP1	
10	33177492	33336262	-	11522		
protein_coding	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]	-				
6473	7004	7253	4682	3631	4681	27.16307624
26.48968929	29.38568659	22.57956558	19.37071887			
18.89042759						
ENSG00000198482	215.4557285	144.4341771	100.4835958			
40.77655875	35.15126297	51.69771671	153.4578338			
42.54184615	1.846828916	0.00011429	1	ZNF808	19	
52527652	52564464	+	5008	protein_coding		
zinc finger protein 808 [Source:HGNC Symbol;Acc:HGNC:33230]						
zf-C2H2	224	166	108	37	29	56
2.162643402	1.444449509	1.006712523	0.410534299			
0.355943477	0.51994179					
ENSG00000079459	3219.331801	2959.16046	3096.383398			
4525.095952	5511.475612	3712.080695	3091.625219			
4582.884086	-0.567551648	0.000120366	0.012999581		FDFT1	
8	11795573	11839309	+	5202		
protein_coding	farnesyl-diphosphate farnesyltransferase 1					
[Source:HGNC Symbol;Acc:HGNC:3629]	-	3347	3401	3328		
4106	4547	4021	31.10903797	28.49015958		
29.86475839	43.85919344	53.72815985	35.9413796			
ENSG00000167900	933.000253	1257.273409	1220.689609			
2378.265237	2296.953218	1317.368603	1136.987757			
1997.529019	-0.812267602	0.000131135	1	TK1	17	
78174075	78187233	-	1861	protein_coding		
thymidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11830]	-					
970	1445	1312	2158	1895	1427	25.20151084

	33.83608223	32.91042553	64.43429942	62.5907566	
	35.65402939				
ENSG00000279425	31.74124572	6.960683234	56.75462358		
1.102069155	0	0	31.81885084	0.367356385	
6.371191191	0.000139208	1	AC092279.2	19	
24078481	24080669	+	2189	TEC	TEC -
	33	8	61	1	0
	0.159258574	1.30085865	0.025384364	0	0.728902425
ENSG00000186871	319.3361691	401.1093714	345.1797598		
786.877377	584.2382329	576.0602719	355.2084334		
649.0586273	-0.869107472	0.00014297	1	ERCC6L	X
	72204657	72239047	-	4364	protein_coding
	"ERCC excision repair 6 like, spindle assembly checkpoint				
helicase [Source:HGNC Symbol;Acc:HGNC:20794]"	-			332	461
	371	714	482	624	3.67836277
	3.968580586	9.091290044	6.789060151	6.648610114	
ENSG00000167513	3303.975123	3243.678387	3800.698972		
4161.413131	5110.266369	5661.823154	3449.450827		
4977.834218	-0.52932382	0.000148836	0.015066501		CDT1
	16	88803213	88809258	+	3336
protein_coding	chromatin licensing and DNA replication factor 1				
[Source:HGNC Symbol;Acc:HGNC:24576]	-			3435	3728
	3776	4216	6133	49.78539027	48.69770107
57.16261061	62.89527021	77.68227225	85.48264288		
ENSG00000109971	89632.46864	82091.6878	83199.48695		
103935.04	112222.2252	110225.9942	84974.5478		
108794.4198	-0.35650451	0.000155917	0.015066501		HSPA8
	11	123057489	123063230	-	4849
protein_coding	heat shock protein family A (Hsp70) member 8				
[Source:HGNC Symbol;Acc:HGNC:5241]	-			93187	94349
	94309	92584	119399	929.1896485	847.8982035
860.8809297	1080.719529	1173.629767	1144.931551		
ENSG00000106133	7.694847448	26.10256213	34.42493561		0
	0	0	22.74078173	0	6.849525207
0.000159348	1	NSUN5P2	7	72947581	72954790
	-	2576	transcribed_unprocessed_pseudogene		NOP2/
Sun RNA methyltransferase family member 5 pseudogene 2 [Source:HGNC					
Symbol;Acc:HGNC:16609]	-	8	30	37	0
	0	0.150156918	0.507497601	0.670504815	0
	0				
ENSG00000254266	24.04639827	22.62222051	17.67766964		0
	0	0	21.44876281	0	6.764679253
0.00016848	1	PKIA-AS1	8	78426103	
78558503	-	2656	lincRNA PKIA antisense RNA 1		
[Source:HGNC Symbol;Acc:HGNC:51659]	-			25	26
	0	0	0.455106622	0.426583325	19
0.333942402	0	0	0		
ENSG00000119333	1165.769388	1154.603331	1132.301261		
1818.414106	1471.504595	1824.190861	1150.891327		
1704.703187	-0.56724229	0.000193753	1	WDR34	9

128633661	128656787	-	2604	protein_coding	
WD repeat domain 34 [Source:HGNC Symbol;Acc:HGNC:28296] -					
1212	1327	1217	1650	1214	1976
22.20693087	21.81703027	35.20910681	28.65662675		
35.28393217					
ENSG00000072840	1332.170464	1239.001616	1286.748269		
924.6360214	655.7528713	857.6281933	1285.97345		
812.672362	0.661262211	0.00019564	1	EVC	4
5711197	5814305 +	7148	protein_coding	EvC	ciliary
complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:3497] - 1385					
1424	1383	839	541	929	9.368422017
8.681285584	9.031994659	6.522130145	4.652218259		
6.043133498					
ENSG00000186603	39.43609317	12.18119566	13.95605498		0
0	0	21.85778127	0	6.791134924	
0.000199687	1	HPDL	1	45326905	45328533
+	1629	protein_coding	4-hydroxyphenylpyruvate		
dioxygenase like [Source:HGNC Symbol;Acc:HGNC:28242] - 41					
14	15	0	0	0	1.216925492
0.374511837	0.429849287	0	0	0	
ENSG00000159720	1670.743752	1974.223782	1706.360322		
2258.139699	2849.676526	2670.740972	1783.775952		
2592.852399	-0.539389244	0.000200799	1	ATP6V0D1	
16	67438014	67481237	-	8212	
protein_coding ATPase H+ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:HGNC:13724] - 2351					
2893	10.22709039	12.04048977	10.42548881		
13.86452711	17.59750303	16.38062662			
ENSG00000099797	2397.906836	2279.623759	2471.152135		
3187.183997	3723.60965	3066.782409	2382.894243		
3325.858686	-0.480733685	0.000204397	0.018763635		TECR
19	14517085	14565980	+	5918	
protein_coding "trans-2,3-enoyl-CoA reductase [Source:HGNC Symbol;Acc:HGNC:4551]" - 3072					
3322	20.36800693	19.29234094	20.95072931		
27.1540974	31.90756119	26.10091218			
ENSG00000179532	732.9342194	436.7828729	587.0847127		
320.7021242	235.1498282	333.2656381	585.6006017		
296.3725302	0.980699097	0.000206404	1	DNHD1	11
6497260	6593758 +	19629	protein_coding	dynein heavy	
chain domain 1 [Source:HGNC Symbol;Acc:HGNC:26532] - 762					
502	631	291	194	361	1.876972946
1.114459113	1.500642424	0.82377168	0.607506481		
0.85514556					
ENSG00000219470	31.74124572	20.0119643	12.09524765		0
0	0	21.28281922	0	6.753176427	
0.000207302	1	AL355802.1	6	43538822	
43539703	-	882	processed_pseudogene	40S ribosomal	
protein S2 (RPS2) pseudogene - 33 23 13 0					
0	0	1.809033342	1.136364999	0.688051273	

0	0	0					
ENSG00000248323	1143.646702		1927.23917		1184.403866		
790.1835844	825.4486236		878.8611841		1418.429913		
831.4977974	0.77061159		0.000223771		1	LUCAT1	5
91054834	91314547		-		16538	antisense	
lung cancer associated transcript 1 [Source:HGNC							
Symbol;Acc:HGNC:48498]	-		1189	2215	1273	717	681
952	3.476162607		5.836457679		3.593283241		
2.409063301	2.531112709		2.676609277				
ENSG00000254910	21.16083048		25.23247672		14.88645864		0
0	0	20.42658862	0		6.69445621		
0.000248671	1	AC136475.2	11		310139	311141	-
392	antisense		novel transcript		-		22
29	16	0	0	0	2.713550012		
3.223818095	1.905372757		0	0	0		
ENSG00000071054	8827.913734		7832.508809		7776.313834		
6325.876952	6381.772398		5731.061167		8145.578792		
6146.236839	0.406423765		0.000255204		0.021487853		MAP4K4
2	101696850		101894689		+	11961	
protein_coding	mitogen-activated protein kinase kinase kinase kinase						
4 [Source:HGNC	Symbol;Acc:HGNC:6866]	-			9178	9002	8358
5740	5265	6208	37.1006723		32.79669764		
32.61977133	26.66591225		27.05691301		24.133218		
ENSG00000184009	122007.5774		127926.0467		130604.4841		
157820.7113	160482.485		159034.1779		126846.0361		
159112.4581	-0.326966765		0.000262595		0.021487853		ACTG1
17	81509971		81523847		-	2993	
protein_coding	actin gamma 1 [Source:HGNC						
Symbol;Acc:HGNC:144]	-						
126846	147027	140374	143204	132399	172269	2049.138326	
2140.666323		2189.40444		2658.645762		2719.101054	
2676.279294							
ENSG00000187144	48.09279655		2.610256213		18.6080733		0
0	0	23.10370869	0		6.870775843		
0.000284082	1	SPATA21	1	16387117		16437424	
-	4506	protein_coding	spermatogenesis associated				21
[Source:HGNC	Symbol;Acc:HGNC:28026]	-			50	3	20
0	0	0	0.536512733		0.029012735		
0.207197659	0	0	0				
ENSG00000168003	17709.6914		15000.27237		15635.43359		
19557.31923	21005.90991		24404.09181		16115.13245		
21655.77365	-0.426415511		0.000288782		0.021487853		SLC3A2
11	62856102		62888875		+	5178	
protein_coding	solute carrier family 3 member 2 [Source:HGNC						
Symbol;Acc:HGNC:11026]	-						
26435	171.9254369		145.0887747		16805	17746	17330
190.4366244	205.7234869		237.3822745				
ENSG00000100297	2922.118318		2652.020312		3124.295508		
3882.589635	3816.942314		4085.042794		2899.478046		
3928.191581	-0.438276297		0.000291908		0.021487853		MCM5
22	35400063		35425430		+	7338	

protein_coding	minichromosome maintenance complex component 5					
[Source:HGNC Symbol;Acc:HGNC:6948]	-	3038	3048	3358		
3523	3149	4425	20.01756644	18.10072011		
21.3623497	26.67761369		26.3780273	28.03926245		
ENSG00000167553	9584.894352		9135.896745	8803.47948		
11243.30952	12575.66736		11810.15875	9174.756859		
11876.37854	-0.37232495		0.000295247	0.021487853		TUBA1C
12	49188736		49274603	+	4631	
protein_coding	tubulin alpha 1c [Source:HGNC Symbol;Acc:HGNC:20768]					
-	9965	10500	9462	10202	10375	12793
104.0408133	98.80367895		95.37931489	122.4116021		
137.70848	128.4483817					
ENSG00000244313	1849.648955		2291.804955	2397.650245		
3086.895704	3100.583817		3034.471336	2179.701385		
3073.983619	-0.495814139		0.000304294	0.021487853		
AC024293.1	11	46428653	46429150	-		498
processed_pseudogene	ribosomal protein S10 (RPS10)					
pseudogene	-	1923	2634	2577	2801	2558 3287
186.7029405	230.4862519		241.5633877	312.5329489		
315.7319687	306.9031737					
ENSG00000196123	496.3176604		402.8495422	489.3923279		
251.2717674	276.3616537		224.3311636	462.8531768		
250.6548616	0.88590099		0.000310326	1		KIAA0895L
16	67175602		67184040	-		4780
protein_coding	KIAA0895 like [Source:HGNC Symbol;Acc:HGNC:34408]					
-	516	463	526	228	228	243
5.219429328	4.220964428		5.136932787	2.650446205		
2.931934816	2.363792744					
ENSG00000141499	899.3352954		759.5845579	834.5720877		
1084.436049	1301.808843		1503.849652	831.1639803		
1296.698181	-0.642292935		0.000316801	1		WRAP53 17
7686071	7703502	+	5087	protein_coding	WD repeat	
containing antisense to TP53	[Source:HGNC Symbol;Acc:HGNC:25522]					
-	935	873	897	984	1074	1629
8.886916297	7.478441553		8.23145752	10.74843921		
12.97746613	14.88985144					
ENSG00000169908	1779.433472		2885.2032	2536.280391		
4061.124838	4003.607641		3099.093482	2400.305688		
3721.27532	-0.632173768		0.000321556	0.021865841		TM4SF1
3	149369022		149377865	-		3668
protein_coding	transmembrane 4 L six family member 1 [Source:HGNC					
Symbol;Acc:HGNC:11853]	-		1850	3316	2726	3685 3303
3357	24.38617117		39.39524381	34.69305626		
55.82390446	55.35114471		42.55523885			
ENSG00000101096	46.16908469		58.29572208	66.05866023		
103.5945006	220.604478		194.7896112	56.84115567		
172.9961966	-1.605161356		0.000322574	1		NFATC2 20
51386957	51562831		-	8286		protein_coding
nuclear factor of activated T cells 2	[Source:HGNC					
Symbol;Acc:HGNC:7776]	RHD	48	67	71	94	182

211	0.280089949	0.352361517	0.399999507			
0.630369175	1.350124503	1.184045917				
ENSG00000120658	195.256754	163.576056	217.7144577			
321.8041934	438.7847309	387.7328753	192.1824225			
382.7739332	-0.994124002	0.0003252	1	ENOX1	13	
43213518	43786908	-	3101	protein_coding		
ecto-NOX disulfide-thiol exchanger 1 [Source:HGNC						
Symbol;Acc:HGNC:25474]	-	203	188	234	292	362
420	3.165158685	2.641889694	3.522574014			
5.232305928	7.175532974	6.297650316				
ENSG00000171848	752.171338	1249.44264	993.6711144			
2639.455627	1630.291334	1243.514722	998.4283643			
1837.753894	-0.879682836	0.000333079	1	RRM2	2	
10120698	10131419	+	5323	protein_coding		
ribonucleotide reductase regulatory subunit M2 [Source:HGNC						
Symbol;Acc:HGNC:10452]	-	782	1436	1068	2395	1345
1347	7.103158463	11.75591863	9.366143823			
25.00121387	15.53149204	11.76636043				
ENSG00000174371	495.3558044	798.7384011	777.8174641			
1459.139562	1056.962114	1057.956846	690.6372232			
1191.352841	-0.786147897	0.000355231	1	EX01	1	
241847967	241895148	+	4140	protein_coding		
exonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3511]						
515	918	836	1324	872	1146	6.014618758
9.662754326	9.426532564	17.77050164	12.94683174			
12.87108904						
ENSG00000117410	2894.224496	3022.676694	2937.284371			
3619.195106	4128.455231	4111.814826	2951.395187			
3953.155054	-0.421602511	0.000372266	0.024410026			
ATP6V0B 1	43974487	43978295	+	3535		
protein_coding ATPase H+ transporting V0 subunit b [Source:HGNC						
Symbol;Acc:HGNC:861]	-	3009	3474	3157	3284	3406
4454	41.15607842	42.82515995	41.68993323			
51.62092399	59.2246613	58.58572554				
ENSG00000251093	9.618559309	33.06324536	16.74726597	0		
0	0	19.80969021	0	6.650885519		
0.000377159	1	AC093281.2	5	91226475		
91227071	-	597	lincRNA novel transcript			-
10	38	18	0	0	0.809891583	
2.7737535	1.407486409	0	0	0		
ENSG00000130193	850.280643	866.6050626	1034.608876			
1142.845714	1532.110221	1641.402506	917.1648604			
1438.786147	-0.649875492	0.000378445	1	THEM6	8	
142727203	142736927	+	3055	protein_coding		
thioesterase superfamily member 6 [Source:HGNC						
Symbol;Acc:HGNC:29656]	-	884	996	1112	1037	1264
1778	13.99079093	14.20714201	16.99180864			
18.86164582	25.43215838	27.06148097				
ENSG00000133424	15.3896949	9.570939447	34.42493561	0		
0	0	19.79518998	0	6.64856299		

0.000390682	1	LARGE1	22	33162226	33922841	
-	10687	protein_coding	LARGE	xylosyl-	and	
glucuronyltransferase 1	[Source:HGNC	Symbol;Acc:HGNC:6511]				-
16	11	37	0	0	0	0.072387802
0.044853411		0.161618827		0	0	0
ENSG00000119725	32.70310165	20.8820497		6.512825656		0
0	0	20.032659		0	6.665881168	
0.000397739	1	ZNF410	14	73886617	73932511	
+	6486	protein_coding	zinc	finger	protein	410
[Source:HGNC	Symbol;Acc:HGNC:20144]		zf-C2H2	34	24	7
0	0	0	0.253456357	0.161247465		
0.05038104	0	0	0			
ENSG00000207751	25.0082542	17.40170808		14.88645864		0
0	0	19.09880698		0	6.597025424	
0.00039967	1	AP000553.1	22	21652270		
21670237	+	1093	processed_transcript	novel		
transcript	-	26	20	16	0	0
1.150149785		0.797385679		0.683354182	0	0
0						
ENSG00000255142	19.23711862	12.18119566		25.12089896		0
0	0	18.84640441		0	6.577720518	
0.000453753	1	AP006621.2	11	781645	782105	+
284	lincRNA	novel	transcript	-	20	14
27	0	0	0	3.404966725	2.14816825	
4.438042532		0	0			
ENSG00000097021	1882.352057	2221.328037		2366.946924		
2826.807384	3156.340992	3013.238346		2156.875673		
2998.795574	-0.475284209	0.000469891		0.02905492		ACOT7
1	6264269	6394391	-	4124	protein_coding	acyl-
CoA thioesterase 7	[Source:HGNC	Symbol;Acc:HGNC:24157]				1957
2553	2544	2565	2604	3264	22.94422461	
26.97682011	28.79681698	34.56055885		38.81232716		
36.80124503						
ENSG00000088325	1714.989125	1797.596445		1900.814688		
3036.200523	2478.770096	2241.465289		1804.466753		
2585.478636	-0.518610025	0.000485404		1	TPX2	20
31739271	31801805	+	3605	protein_coding		
"TPX2, microtubule	nucleation	factor	[Source:HGNC			
Symbol;Acc:HGNC:1249]"	-	1783	2066	2043	2755	2045
2428	23.9137283	24.97374344		26.4550833		
42.46473105	34.8686717	31.31658747				
ENSG00000182481	3725.268021	3608.244171		3289.90736		
5351.647819	4890.874003	4231.827382		3541.139851		
4824.783068	-0.446056652	0.000488327		0.02905492		KPNA2
17	68035519	68046842	+	3140		
protein_coding	karyopherin	subunit	alpha	2	[Source:HGNC	
Symbol;Acc:HGNC:6395]	-	3873	4147	3536	4856	4035
4584	59.63744999	57.55233985		52.56887029		
85.93321765	78.98802431	67.88064792				
ENSG00000197912	4976.642587	4105.933023		4785.06605		

3004.240518	3247.249431	3778.549188	4622.54722		
3343.346379	0.467027879	0.000490579	0.02905492	SPG7	
16	89490719	89557768	+ 36008		
protein_coding	"SPG7, paraplegin matrix AAA peptidase subunit				
[Source:HGNC Symbol;Acc:HGNC:11237]"	-	5174	4719	5143	
2726	2679	4093	6.947501368	5.710966007	
6.667508227	4.206674367	4.573209257	5.285350133		
ENSG00000130584	243.3495505	251.4546818	241.9049529		
135.5545061	87.27210117	105.2417805	245.5697284		
109.3561292	1.166360556	0.000522608	1	ZBTB46	20
63743666	63831244	-	6084	protein_coding	
zinc finger and BTB domain containing 46	[Source:HGNC				
Symbol;Acc:HGNC:16094]	-	253	289	260	123 72
114	2.010631732	2.069985175	1.994941562		
1.123383264	0.727429068	0.87125777			
ENSG00000090615	5730.737637	4275.599676	5640.107018		
3860.548251	3499.368835	3891.176356	5215.481444		
3750.364481	0.475541356	0.000524808	0.030110856	GOLGA3	
12	132768909	132828858	-	10549	
protein_coding	golgin A3 [Source:HGNC Symbol;Acc:HGNC:4426]				-
5958	4914	6062	3503	2887	4215 27.30803325
20.29936523	26.82567604	18.45189135	16.82220231		
18.57878482					
ENSG00000125971	2780.725496	2967.861314	2866.573692		
3505.681983	4224.212119	3846.864028	2871.720168		
3858.919377	-0.426110887	0.000543821	0.030256217		
DYNLRB1	20	34516409	34540958	+ 2460	
protein_coding	dynein light chain roadblock-type 1 [Source:HGNC				
Symbol;Acc:HGNC:15468]	-	2891	3411	3081	3181 3485
4167	56.82169715	60.42340707	58.46589833		
71.85228861	87.07932131	78.76248528			
ENSG00000188177	621.3589314	476.8068015	367.5094478		
270.0069431	225.452928	275.1057068	488.5583936		
256.8551926	0.926467583	0.000579781	1	ZC3H6	2
112275594	112340063	+	11803	protein_coding	
zinc finger CCCH-type containing 6	[Source:HGNC				
Symbol;Acc:HGNC:24762]	-	646	548	395	245 186
298	2.646313713	2.023236956	1.562250687		
1.153415334	0.968652263	1.173964259			
ENSG00000112715	3837.805164	5628.58248	5914.5761		
3560.785441	3832.699777	3069.55193	5126.987915		
3487.679049	0.55614878	0.000585378	0.031530171	VEGFA	
6	43770184	43786487	+ 14431		
protein_coding	vascular endothelial growth factor A [Source:HGNC				
Symbol;Acc:HGNC:12680]	-	3990	6469	6357	3231 3162
3325	13.36834625	19.53436608	20.56372657		
12.44092222	13.46830055	10.71337338			
ENSG00000166803	219.3031523	160.0957144	196.3151734		
524.584918	332.1188295	320.3412089	191.90468		
392.3483188	-1.031985418	0.000587937	1	PCLAF	15

64364311	64387687	-	3734	protein_coding	
PCNA clamp associated factor [Source:HGNC					
Symbol;Acc:HGNC:28961]	-	228	184	211	476 274
347	2.952308588	2.147346393	2.637874791		
7.083447554	4.510488807	4.321019033			
ENSG00000120279	8.656703379	22.62222051	10.23444032		
24.24552142	139.3929394	90.47100425	13.83778807		
84.70315501	-2.609028105	0.000599424	1	MYCT1	6
152697895	152724567	+	3030	protein_coding	
MYC target 1 [Source:HGNC Symbol;Acc:HGNC:23172]					
9	26	11	22	115	98 0.143615428
0.373929146	0.169471273	0.403452207	2.332934642		
1.503884438					
ENSG00000113575	2576.812039	2788.623721	2293.445035		
3453.884733	3511.48996	3367.736974	2552.960265		
3444.370556	-0.43190731	0.000601065	0.031530171	PPP2CA	
5	134194334	134226142	-	5661	
protein_coding	protein phosphatase 2 catalytic	subunit alpha			
[Source:HGNC Symbol;Acc:HGNC:9299]					
3134	2897	3648	22.88130421	24.67138194	2465
20.326837	30.76223467	31.45594237	29.96351045		
ENSG00000258458	18.27526269	14.79145187	20.46888063	0	
0	0	17.8451984	0	6.499142424	
0.000613949	1	AL160314.2	14	22701476	
22766562	-	2513	processed_transcript	"novel	
transcript, antisense to OXA1L"					
0	0	0.365563081	0.29479155	0.408673266	0
0	0	0			
ENSG00000140365	584.808406	642.9931137	632.6744923		
867.3284253	905.4480497	1094.883786	620.1586707		
955.8867537	-0.62474632	0.000627548	1	COMMD4	15
75335891	75343224	+	6779	protein_coding	
COMM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:26027]					
-	608	739	680	787	747 1186
4.336498114	4.750478996	4.682624301	6.450912365		
6.77333145	8.134859814				
ENSG00000225806	0	0	0	19.8372448	21.81802529
9.231735127	0	16.96233507	-6.645410704		
0.000630072	1	AL121917.1	20	58863528	
58888809	-	1521	antisense	uncharacterized	
LOC101927932 [Source:NCBI gene;Acc:101927932]					
0	18	18	10	0	0 0
0.657590204	0.727429068	0.305704481			
ENSG00000209082	69.25362703	95.70939447	73.50188955		
197.2703788	226.6650405	161.5553647	79.48830368		
195.1635947	-1.29374168	0.000633478	1	MT-TL1	MT
3230	3304	+	75	Mt_tRNA	mitochondrially
encoded tRNA leucine 1 (UUA/G) [Source:HGNC Symbol;Acc:HGNC:7490]					
-	72	110	79	179	187 175
46.41650639	63.91312012	49.17131962	132.6184083		

153.2596055	108.4945202						
ENSG00000108518	10419.7853	10878.67781	12184.5664				
14268.48936	14348.98797	14203.02449	11161.00984				
14273.50061	-0.354862241	0.000633596	0.032313373	PFN1			
17	4945652	4949061	-	1987	protein_coding		
profilin 1 [Source:HGNC Symbol;Acc:HGNC:8881]						10833	12503
13096	12947	11838	15385	263.6040585	274.2047425		
307.6711927	362.0623155	366.2080011	360.0233358				
ENSG00000117318	2162.252133	2257.871624	2483.247382				
2759.581165	3226.643518	3648.381722	2301.123713				
3211.535469	-0.481162835	0.000661357	0.032817595	ID3			
1	23557918	23559794	-	1797			
protein_coding	"inhibitor of DNA binding 3, HLH protein [Source:HGNC Symbol;Acc:HGNC:5362]"	bHLH	2248	2595	2669	2504	2662
3952	60.4852453	62.92857289	69.33404412				
77.42804452	91.05574127	102.2586081					
ENSG00000242071	129.8505507	203.5999846	260.5130263				
523.4828488	638.7832961	240.0251133	197.9878538				
467.4304194	-1.237628339	0.000662158	1	RPL7AP6	14		
69885340	69886140	-	801				
processed_pseudogene	ribosomal protein L7a pseudogene 6						
[Source:HGNC Symbol;Acc:HGNC:19785]						135	234
475	527	260	8.148965308	12.73039676			280
16.31817368	32.95134431	40.44133274	15.09287065				
ENSG00000160796	1124.409583	772.635839	887.6050966				
567.565615	608.4804832	566.8285368	928.2168396				
580.9582117	0.675991052	0.000670311	1	NBEAL2	3		
46979683	47009703	+	9819	protein_coding			
neurobeachin like 2 [Source:HGNC Symbol;Acc:HGNC:31928]							
1169	888	954	515	502	614	5.756366905	
3.940980659	4.53552067	2.914419155	3.14256173				
2.907583055							
ENSG00000104969	4692.895087	4183.370624	4304.977759				
4967.025683	6237.531009	7131.515386	4393.747823				
6112.024026	-0.476390661	0.000679546	0.032832791	SGTA			
19	2754714	2783371	-	3801	protein_coding	small	
glutamine rich tetratricopeptide repeat containing alpha [Source:HGNC Symbol;Acc:HGNC:10819]							
7725	62.06320011	55.12202797	56.82607573				
65.88730321	83.21838293	94.4999626					
ENSG00000083223	2366.16559	2747.729707	2106.433898				
1364.361614	1718.775548	1850.962893	2406.776398				
1644.700019	0.549103585	0.00068757	1	TUT7	9		
86287733	86354454	-	6707	protein_coding			
terminal uridylyl transferase 7 [Source:HGNC Symbol;Acc:HGNC:25817]							
2005	17.73405362	20.51834921	15.75774804				
10.25662275	12.99556856	13.90007325					
ENSG00000188807	1665.934472	1548.75202	1383.51025				
1897.763086	2220.59013	2443.640288	1532.732247				

2187.331168	-0.513364192	0.000699769	1	TMEM201	1	
9588922	9614873	+	6966	protein_coding	transmembrane	
protein 201	[Source:HGNC Symbol;Acc:HGNC:33719]			-	1732	1780
1487	1722	1832	2647	12.02169303	11.13512585	
9.964913524	13.7360455	16.1655081		17.66857357		
ENSG00000227775	29.81753386	18.27179349	6.512825656	0		
0	0	18.20071767	0	6.52747843		
0.000713462	1	AL031282.1	1	1724512	1737251	+
2759	transcribed_processed_pseudogene				ribosomal	
protein S7 (RPS7)	pseudogene			-	31	21
0	0	0.543264354	0.331685275	0.118438357	7	0
0	0	0				
ENSG00000143702	5497.968501	5813.910671	4560.838767			
3784.50548	3955.123141	4079.503753	5290.90598			
3939.710791	0.425399602	0.000721628	0.032853751	CEP170		
1	243124428	243255348	-	10939		
protein_coding	centrosomal protein 170 [Source:HGNC					
Symbol;Acc:HGNC:28920]	-	5716	6682	4902	3434	3263
4419	25.26479707	26.61873709	20.91903856			
17.44354348	18.33524898	18.78353798				
ENSG00000073111	4711.17035	3843.167231	5163.740342			
6110.973467	6250.864247	6171.414933	4572.692641			
6177.750882	-0.434121472	0.000733082	0.032853751	MCM2		
3	127598223	127622436	+	4902		
protein_coding	minichromosome maintenance complex component 2					
[Source:HGNC Symbol;Acc:HGNC:6944]	-	4898	4417	5550		
5545	5157	6685	48.31107378	39.26564087		
52.85252156	62.85506607	64.66528332	63.41019997			
ENSG00000125166	3274.157589	3140.138224	2925.189123			
3888.09998	4078.758617	4335.222816	3113.161645			
4100.693804	-0.397631917	0.000739964	0.032853751	GOT2		
16	58707131	58734357	-	3766		
protein_coding	glutamic-oxaloacetic transaminase 2 [Source:HGNC					
Symbol;Acc:HGNC:4433]	-	3404	3609	3144	3528	3365
4696	43.7029197	41.76044945	38.9716019			
52.05474273	54.9227296	57.98007739				
ENSG00000136930	3505.003012	3372.451027	3594.149359			
4177.944168	4631.481925	5048.835941	3490.534466			
4619.420678	-0.404456991	0.00076221	0.032853751	PSMB7		
9	124353466	124415444	-	1787		
protein_coding	proteasome subunit beta 7 [Source:HGNC					
Symbol;Acc:HGNC:9544]	-	3644	3876	3863	3791	3821
5469	98.595032	94.51871607	100.9127849			
117.8803117	131.4316153	142.3031092				
ENSG00000173821	3422.283402	2979.172424	3807.211798			
2389.285929	2735.737949	2211.923737	3402.889208			
2445.649205	0.476873738	0.000775355	0.032853751	RNF213		
17	80260866	80398786	+	28570		
protein_coding	ring finger protein 213 [Source:HGNC					
Symbol;Acc:HGNC:14539]	-	3558	3424	4092	2168	2257

2396	6.021392258	5.222544069	6.686077718			
4.216587152	4.855888197	3.899488029				
ENSG00000142657	2536.41409	2648.539971	2554.888465			
3086.895704	3769.669926	3534.83138	2579.947508			
3463.799003	-0.424906887	0.000787345	0.032853751	PGD		
1	10398592	10420144	+	2966		
protein_coding	phosphogluconate dehydrogenase		[Source:HGNC			
Symbol;Acc:HGNC:8891]	-	2637	3044	2746	2801	3110
3829	42.9873031	44.72312059	43.21907046			
52.47518831	64.45203029	60.02680634				
ENSG00000234393	0	0	0	7.714484088	8.484787614	
35.08059348	0	17.0932884	-6.661985457			
0.000797834	1	AL592546.1	10	113710681		
113719332	-	692	antisense	novel transcript		
-	0	0	0	7	38	0
0	0	0.56208758	0.621783661	2.553339244		
ENSG00000188897	25.97011014	9.570939447	16.74726597	0		
0	0	17.42943852	0	6.464627698		
0.000806086	1	AC099489.1	16	11359845		
11527245	-	12027	protein_coding	vitellogenin		
[Source:NCBI gene;Acc:400499]	-	27	11	18	0	
0	0	0.108544462	0.039856024	0.069865252		
0	0	0				
ENSG00000205138	664.6424483	675.1862737	650.352162			
864.0222178	1024.235076	1129.96438	663.393628			
1006.073891	-0.601185126	0.000820781	1	SDHAF1	19	
35995199	35996315	+	1117	protein_coding		
succinate dehydrogenase complex assembly factor 1			[Source:HGNC			
Symbol;Acc:HGNC:33867]	-	691	776	699	784	845
1224	29.91066651	30.27381453	29.21258832			
39.00092731	46.49977977	50.95176852				
ENSG00000181019	277.0145081	399.3692005	351.6925854			
671.1601157	553.93542	541.902852	342.692098			
588.9994625	-0.780629878	0.000878986	1	NQ01	16	
69706996	69726951	-	3254	protein_coding		
NAD(P)H quinone dehydrogenase 1			[Source:HGNC			
Symbol;Acc:HGNC:2874]	-	288	459	378	609	457
587	4.279333718	6.146865844	5.422758791			
10.39948392	8.632687336	8.38786768				
ENSG00000079385	19.23711862	17.40170808	13.95605498	0		
0	0	16.86496056	0	6.417777761		
0.000884845	1	CEACAM1	19	42507304	42561234	
-	5524	protein_coding	carcinoembryonic antigen			
related cell adhesion molecule 1			[Source:HGNC Symbol;Acc:HGNC:1814]			
-	20	20	15	0	0	0
0.175056218	0.157773814	0.126760407	0	0	0	0
ENSG00000161203	7012.891593	7268.693467	7938.204071			
9174.725719	10379.31948	9113.568918	7406.596377			
9555.871371	-0.367471181	0.000885502	0.036128494	AP2M1		
3	184174689	184184091	+	4756		

protein_coding	adaptor related protein complex 2 subunit mu 1						
[Source:HGNC Symbol;Acc:HGNC:564]	-	7291	8354	8532			
8325	8563	9872	74.12188729	76.54401218			
83.74425756	97.26451821		110.6703946	96.51488974			
ENSG00000174282	1923.711862		1751.481919	2207.847897			
1340.116093	1486.049945		1354.295543	1961.013893			
1393.487194	0.493074017		0.00088887	1	ZBTB4	17	
7459366	7484263	-	6126	protein_coding	zinc finger		
and BTB domain containing 4	[Source:HGNC Symbol;Acc:HGNC:23847]	ZBTB					
2000	2013	2373	1216	1226	1467	15.78535014	
14.31941844		18.08284591		11.02982511		12.30157838	
11.13484407							
ENSG00000163754	820.4631091		790.0375471	762.0006018			
1149.458129	1147.870553		1115.193603	790.8337526			
1137.507428	-0.524364091		0.000896353	1	GYG1	3	
148991341		149027668	+	3511	protein_coding		
glycogenin 1	[Source:HGNC Symbol;Acc:HGNC:4699]	-				853	
908	819	1043	947	1208	11.74679577		
11.26973274	10.88927857		16.50690009	16.5793122			
15.99805269							
ENSG00000143195	247.1969743		135.7333231	205.61921			
577.4842374	336.9672795		331.4192911	196.1831691			
415.2902693	-1.082525192		0.000904516	1	ILDR2	1	
166895711		166975482	-	13884	protein_coding		
immunoglobulin like domain containing receptor 2	[Source:HGNC						
Symbol;Acc:HGNC:18131]	-	257	156	221	524	278	
359	0.894993198		0.489630644	0.743059694			
2.097146286	1.23077184		1.202294504				
ENSG00000092847	1839.06854		1485.235785	1665.422561			
1255.256768	1098.17394		1154.890064	1663.242295			
1169.440257	0.507905777		0.000934601	1	AG01	1	
35869808		35930528	+	13886	protein_coding		
"argonaute 1, RISC catalytic component	[Source:HGNC						
Symbol;Acc:HGNC:3262]"	-	1912	1707	1790	1139	906	
1251	6.657511779		5.356917499	6.01758046			
4.557835081	4.010498857		4.18900778				
ENSG00000115268	22813.29897		25299.4733	24819.44817			
28271.38004	31971.89184		31948.26576	24310.74015			
30730.51255	-0.338072076		0.00095375	0.037601102		RPS15	
19	1438358	1440494	+	2137	protein_coding		
ribosomal protein S15	[Source:HGNC Symbol;Acc:HGNC:10388]						
23718	29077	26676	25653	26377	34607	536.6297665	
592.9303379		582.7230838		667.0304848		758.6967739	
752.9921504							
ENSG00000198899	61331.78158		59122.30322	64470.46117			
67685.78132	86366.65312		87186.35289	61641.51532			
80412.92911	-0.383531366		0.000962555	0.037601102		MT-	
ATP6	MT	8527	9207	+	681	protein_coding	
mitochondrially encoded ATP synthase membrane subunit 6	[Source:HGNC						
Symbol;Acc:HGNC:7414]	-	63764	67950	69293	61417	71253	

	94442	4527.199758	4348.114249	4749.941798		
5011.336096		6431.368625	6448.357126			
ENSG00000199691	23.08454234		12.18119566	14.88645864		0
0	0	16.71739888	0	6.404673554		
0.000978451	1	RN7SKP173	20	38761528		
38761842	+	315	misc_RNA	"RNA, 7SK small		
nuclear pseudogene 173	[Source:HGNC Symbol;Acc:HGNC:45897]"					-
24	14	16	0	0	0	3.683849714
1.936761216		2.371130542	0	0	0	0
ENSG00000147421	679.0702872		358.4751865	445.6633556		
263.3945281	266.6647536		252.026369	494.4029431		
260.6952169	0.923097353		0.000993898	1	HMBOX1	8
28890394		29064764	+	6634	protein_coding	
homeobox containing 1	[Source:HGNC Symbol;Acc:HGNC:26137]					
Homeobox	706	412	479	239	220	273
5.145533978	2.706327475		3.370591196	2.001863575		
2.038424234		1.913454757				
ENSG00000267519	886.8311683		683.0170423	962.0373898		
418.7862791	616.9652708		494.8210028	843.9618668		
510.1908509	0.726672401		0.000998865	1	AC020916.1	
19	13823880		13842928	-	19049	
antisense	novel transcript		-	922	785	1034
380	509	536	2.340237616	1.795792166		
2.533928713	1.108468761		1.642453038	1.308349058		
ENSG00000149968	1254.260134		663.8751634	1208.594361		
2007.970001	1492.110508		1659.865976	1042.243219		
1719.982162	-0.723139373		0.001044038	1	MMP3	11
102835801		102843803	-	2048	protein_coding	
matrix metalloproteinase 3	[Source:HGNC Symbol;Acc:HGNC:7173]					
-	1304	763	1299	1822	1231	1798
30.78568743	16.23503329		29.6091019	49.43453621		
36.94668355	40.82166865					
ENSG00000137965	1925.635574		2149.981034	1944.54366		
1603.510621	1363.626581		1392.145657	2006.720089		
1453.094286	0.465821899		0.00106783	1	IFI44	1
78649796		78664078	+	2038	protein_coding	
interferon induced protein 44	[Source:HGNC					
Symbol;Acc:HGNC:16938]	-	2002	2471	2090	1455	1125
1508	47.49644555		52.83566324	47.87272426		
39.67079075	33.93092529		34.40552427			
ENSG00000233927	1025.338422		1249.44264	1353.737333		
1839.35342	1506.655858		1969.129103	1209.506132		
1771.712794	-0.551079967		0.001075353	1	RPS28	19
8321158	8323340	+	2119	protein_coding	ribosomal	
protein S28	[Source:HGNC Symbol;Acc:HGNC:10418]					-
1455	1669	1243	2133	24.32357825	29.53126705	
32.05369295		43.7660572		36.05682916	46.80485637	
ENSG00000105447	6714.716254		5874.816649	6387.221162		
7226.267452	8399.939738		9907.498139	6325.584688		
8511.23511	-0.428348395		0.001095645	0.041908438		GRWD1

19	48445773	48457022	+	5763		
protein_coding	glutamate rich WD repeat containing 1 [Source:HGNC					
Symbol;Acc:HGNC:21270]	-	6981	6752	6865	6557	6930
10732	58.56932716	51.05548567		55.60808737		
63.22205492	73.91489686	86.58906748				
ENSG00000104549	1485.105557	1501.767408		1598.433497		
2216.261072	2215.74168	1868.50319		1528.435487		
2100.168647	-0.458034898	0.001100564		1	SQLF	8
124998497	125022283	+	4305	protein_coding		
squalene epoxidase [Source:HGNC						
Symbol;Acc:HGNC:11279]	-					
1544	1726	1718	2011	1828	2024	17.34104865
17.47134072	18.62927868	25.9567885		26.10059428		
21.86091676						
ENSG00000215914	19.23711862	16.53162268		13.02565131		0
0	0	16.26479754	0	6.365463758		
0.001117954	1	MMP23A	1	1699942	1701782	+
unprocessed_pseudogene		matrix metalloproteinase 23A				1017
(pseudogene) [Source:HGNC						
Symbol;Acc:HGNC:7170]	-			20		19
14	0	0	0	0.950846165	0.81412529	
0.642618344	0	0	0			
ENSG00000160752	1119.600304	1033.66146		1475.620213		
1575.958892	2123.621129	1751.260154		1209.627326		
1816.946725	-0.586779239	0.001135234		1	FDPS	1
155308748	155320666	+	3718	protein_coding		
farnesyl diphosphate synthase [Source:HGNC						
Symbol;Acc:HGNC:3631]	-	1164	1188	1586	1430	1752
1897	15.13717429	13.92405253		19.91314396		
21.37168162	28.96490288	23.72405726				
ENSG00000130827	748.3239143	835.2819881		1239.297682		
578.5863066	469.0875438	636.9897238		940.9678615		
561.5545247	0.743769875	0.00115196		1	PLXNA3	X
154458281	154477779	+	11710	protein_coding		
plexin A3 [Source:HGNC						
Symbol;Acc:HGNC:9101]	-					778
960	1332	525	387	690	3.212357847	
3.572505744	5.309985872	2.491233596		2.031427981		
2.739827458						
ENSG00000104894	179.8670591	130.5128106		60.47623824		
36.36828213	14.5453502	45.23550212		123.6187027		
32.04971148	1.939976527	0.001172861		1	CD37	19
49335171	49343335	+	4161	protein_coding		
CD37 molecule [Source:HGNC						
Symbol;Acc:HGNC:1666]	-					
187	150	65	33	12	49	2.172926854
1.570913026	0.729225214	0.440684999		0.177268223		
0.547557059						
ENSG00000230648	27.893822	18.27179349		4.652018326		0
0	0	16.93921127	0	6.423918528		
0.001206072	1	AL138831.1	6	4018843	4021215	-
209	antisense	novel transcript				29
21	5	0	0	0	6.708924867	
4.378563036	1.116785468	0	0	0		

ENSG00000268218	135.6216863		115.7213588		173.0550817		
24.24552142	75.15097601		30.46472592		141.4660423		
43.28707445	1.71532948		0.001206508		1	AC137932.3	
16	89268104		89273044		+	3660	
antisense	"novel transcript, antisense to ANKRD11"					-	
141	133	186	22	62	33	1.862684256	
	1.58354042		2.372345261		0.334005516	1.041257073	
	0.41924112						
ENSG00000101440	18.27526269		29.58290374		3.721614661	0	
0	0		17.19326036		0	6.446247125	
0.001210081	1	ASIP	20	34194569		34269344	
+	778	protein_coding	agouti	signaling	protein		
[Source:HGNC Symbol;Acc:HGNC:745]			-	19	34	4	
0	0	0	1.180796944		1.904398882		
0.240008394	0	0	0				
ENSG00000127580	782.9507278		677.7965299		726.6452625		
952.1877503	1067.871127		1241.668375		729.1308401		
1087.242417	-0.577144943		0.001217205		1	WDR24 16	
684622	690444	-	3651	protein_coding	WD repeat		
domain 24	[Source:HGNC Symbol;Acc:HGNC:20852]					-	814 779
781	864	881	1345	10.77987658		9.297886116	
	9.985854567		13.14964272		14.83240023	17.12937312	
ENSG00000196670	455.9197113		530.7520966		457.7586033		
273.3131505	306.6644666		281.5679214		481.4768037		
287.1818462	0.746173004		0.001248835		1	ZFP62 5	
180847611		180861285		-	4197	protein_coding	
ZFP62	zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23241]						
zf-C2H2	474	610	492	248	253	305	
5.460602819	6.333582961		5.47232862		3.283407269		
3.70534723	3.37902876						
ENSG00000198464	253.9299658		355.8649303		319.1284572		
168.6165808	168.4836398		143.0918945		309.6411178		
160.0640383	0.953461942		0.001322894		1	ZNF480 19	
52297177		52325922		+	4836	protein_coding	
zinc finger protein	480	[Source:HGNC Symbol;Acc:HGNC:23305]					
zf-C2H2	264	409	343	153	139	155	
2.63948289	3.685493194		3.310959464		1.757993165		
1.766753125	1.490309343						
ENSG00000255741	50.01650841		3.480341617		14.88645864	0	
1.212112516	0		22.79443622		0.404037505		
5.889387411	0.001337678		1	AP000808.2	11		
68941503	68942852		-	569	antisense	novel	
transcript	-	52	4	16	0	1 0	
4.418677381		0.306341844		1.312664536	0		
0.108027691	0						
ENSG00000240694	9.618559309		14.79145187		23.26009163	0	
0	0		15.89003427		0	6.332045333	
0.001387652	1	PNMA2	8	26504686		26514092	
-	5579	protein_coding	PNMA	family member 2			
[Source:HGNC Symbol;Acc:HGNC:9159]			-	10	17	25	

0	0	0	0.086665222	0.132785654	
0.209184588	0	0	0		
ENSG00000083845	32112.52211		31749.4164	41020.56719	
41334.20574	49554.796		47192.62997	34960.83524	
46027.21057	-0.39674749		0.001411621	0.052892589	RPS5
19	58386400		58394806	+ 3617	
protein_coding	ribosomal protein S5	[Source:HGNC			
Symbol;Acc:HGNC:10426]	-		33386 36490	44089 37506	40883
51120	446.2899394		439.6265903	569.0203201	
576.1880995	694.7708813		657.1633798		
ENSG00000280424	30.77938979		17.40170808	2.791210996	0
0	0	16.99076962	0	6.428191704	
0.001443095	1	BX537318.2	22	46006616	
46010777	+	4162	TEC	dynein heavy chain -like	
pseudogene [Source:NCBI	gene;Acc:730668]		-	32	20
3	0	0	0	0.371748409	0.209404745
0.033648462	0	0	0		
ENSG00000119777	1656.315913		1375.605024	1391.883883	
2164.463821	2189.075204		1815.8823	1474.601607	
2056.473775	-0.479601975		0.001444259	1	TMEM214 2
27032910	27041695		+	4910	protein_coding
transmembrane protein 214	[Source:HGNC	Symbol;Acc:HGNC:25983]			
-	1722 1581		1496 1964	1806 1967	
16.95715038	14.0316575		14.22316137	22.22654888	
22.60911766	18.62747057				
ENSG00000167766	386.6660842		356.7350157	345.1797598	
212.699347	221.8165905		123.7052507	362.8602866	
186.0737294	0.966580661		0.001451679	1	ZNF83 19
52594060	52690496		-	8028	protein_coding
zinc finger protein 83	[Source:HGNC	Symbol;Acc:HGNC:13158]			
zf-C2H2	402 410		371 193	183 134	
2.421140016	2.225538393		2.157310124	1.335863208	
1.401170826	0.776119245				
ENSG00000163931	6780.122457		6006.199545	6718.444866	
7660.482699	9412.053689		8250.401683	6501.588956	
8440.979357	-0.376567387		0.00145485	0.053422088	TKT
3	53224707		53256052	- 9507	
protein_coding	transketolase	[Source:HGNC	Symbol;Acc:HGNC:11834]		
-	7049 6903		7221 6951	7765 8937	
35.84967585	31.64120228		35.45682851	40.62710142	
50.20480983	43.70984658				
ENSG00000213018	15.3896949		23.49230591	8.373632987	0
0	0	15.75187793	0	6.319804564	
0.001502493	1	AL590762.1	X	71420083	
71420514	-	432	processed_pseudogene	"pseudogene	
similar to part	of poly(A) binding protein,	nuclear 1 (PABPN1)"	-		
16	27	9	0	0	1.790760277
2.72357046	0.972534012		0	0	
ENSG00000144893	22.12268641		21.75213511	4.652018326	0
0	0	16.17561328	0	6.357751758	

0.001520807	1	MED12L	3	151085697	151437072		
	+	12619	protein_coding	mediator complex	subunit 12		
like [Source:HGNC Symbol;Acc:HGNC:16050]				-	23	25	
	5	0	0	0	0.088126011	0.086332371	
	0.018496566	0	0	0			
ENSG00000166682	15.3896949		28.71281834		4.652018326	0	
	0	0	16.25151052	0	6.36509284		
0.001543171	1	TMPRSS5	11	113687546	113706373		
	-	2666	protein_coding	transmembrane serine protease			
5 [Source:HGNC Symbol;Acc:HGNC:14908]				-	16	33	5
	0	0	0	0.290175709	0.539401801		
0.087549949	0	0	0				
ENSG00000105568	8283.503277		8460.710471		8707.647903		
9822.742382	10798.71041		11523.97496		8483.953884		
10715.14258	-0.336908133		0.001543715		0.055421692		
PPP2R1A	19	52190039	52229533	+	7437		
protein_coding		protein phosphatase 2 scaffold	subunit Aalpha				
[Source:HGNC Symbol;Acc:HGNC:9302]				-	8612	9724	9359
	8913	8909	12483	55.98961177	56.9778118		
58.74591893	66.59447028		73.63402449		78.04627991		
ENSG00000269486	58.67321179		68.73674694		42.7985686		
8.816553243	15.75746271		8.308561615		56.73617577		
10.96085919	2.381147924		0.001556123		1	ERVK9-11	
	19	38935297	38938632	-	3336		
lincRNA "endogenous retrovirus group K9, member 11 [Source:HGNC Symbol;Acc:HGNC:51160]"				-	61	79	46
	9	0.884107367	1.031952356		0.643691576		8
0.133252691	0.239532623		0.125443304				13
ENSG00000285103	15.3896949		12.18119566		18.6080733	0	
	0	0	15.39298795	0	6.285852777		
0.001565535	1	AL451123.1	9		27529085		
27543902	+	9804	antisense		novel transcript		
	-	16	14	20	0	0	
0.07890743	0.06222764		0.095229769		0	0	0
ENSG00000110958	7287.982389		6765.784103		6158.34186		
8089.187601	9141.752598		8657.521202		6737.369451		
8629.487134	-0.357071422		0.001569678		0.055421692		PTGES3
	12	56663341	56688408	-	3399		
protein_coding		prostaglandin E synthase 3					
[Source:HGNC Symbol;Acc:HGNC:16049]				-	7577	7776	6619
	9378	107.7822733	99.69277502		90.9048914		7340
119.9932839	136.390061		128.2891956				7542
ENSG00000203880	1892.932472		1596.606717		1596.572689		
1310.360226	1183.021816		1162.275453		1695.370626		
1218.552498	0.476428937		0.001577195		1	PCMTD2	20
	64255695	64287821	+	5997		protein_coding	
						protein-L-isoaspartate (D-aspartate) O-methyltransferase	
domain containing 2 [Source:HGNC Symbol;Acc:HGNC:15882]				-			1968
	1835	1716	1189	976	1259	15.86690647	
13.33400512	13.35762572		11.01691121		10.00375689		

9.761638025							
ENSG00000106089	1642.84993		1474.79476		1378.858232		
829.858074	886.0542494		1261.978192		1498.834307		
992.6301718	0.593319299		0.001578049		1	STX1A 7	
	73699206	73719672	-		3693	protein_coding	
	syntaxin 1A [Source:HGNC Symbol;Acc:HGNC:11433]					-	1708
	1695	1482	753	731	1367	22.36195531	
20.00087486	18.73332777		11.32994267		12.16705383		
17.2115596							
ENSG00000205534	185.6381947		275.8170731		102.3444032		
62.81794186	8.484787614		76.62340156		187.9332237		
49.30871034	1.923915847		0.001593696		1	SMG1P2 16	
	29527568	29594966	-		4221		
unprocessed_pseudogene	SMG1 pseudogene 2 [Source:HGNC						
Symbol;Acc:HGNC:49859]	-	193	317	110	57	7	
	83	2.210768018	3.272672204	1.216531528			
0.750363235	0.101936577		0.914310608				
ENSG00000257954	30.77938979		7.830768638		9.304036652	0	
	0	15.97139836	0	6.338348174			
0.001611042	1	AC125611.2	12	49389516			
49390162	+	647	processed_pseudogene	FGFR1 oncogene			
partner 2 (FGFR10P2)	pseudogene	-	32	9	10	0	
	0	2.391370757	0.606173333	0.721509004			
	0	0					
ENSG00000080854	180.828915		92.22905285		144.2125681		
41.87862791	53.33295072		54.46723725		139.0901787		
49.89293862	1.477895335		0.001629871		1	IGSF9B 11	
	133908564	133956985	-		5753	protein_coding	
	immunoglobulin superfamily member 9B [Source:HGNC						
Symbol;Acc:HGNC:32326]	-	188	106	155	38	44	
	59	1.580027667	0.802915957	1.257718242			
0.367029749	0.470116682		0.476857542				
ENSG00000173915	612.702228		1185.926406		1093.224307		
1552.81544	1447.262344		1643.248853		963.9509802		
1547.775546	-0.682960738		0.001645194		1	ATP5MD 10	
	103389041	103396492	-		924	protein_coding	
	ATP synthase membrane subunit DAPIT [Source:HGNC						
Symbol;Acc:HGNC:30889]	-	637	1363	1175	1409	1194	
	1780	33.33256062	64.28097899	59.36246564			
84.73270393	79.42911356		89.57339791				
ENSG00000204396	8.656703379		20.8820497		16.74726597	0	
	0	15.42867302	0	6.289975925			
0.001650499	1	VWA7	6	31765590	31777294		
	-	3638	protein_coding	von Willebrand factor A domain			
containing 7 [Source:HGNC Symbol;Acc:HGNC:13939]	-					9	
	24	18	0	0	0	0.119613729	
0.287479675	0.230970145		0	0	0		
ENSG00000139318	1675.553032		2488.444256		2164.118925		
1350.034715	1311.505743		1663.55867		2109.372071		
1441.699709	0.548657119		0.001653209		1	DUSP6 12	

89347232	89353271	-	4632	protein_coding
dual specificity phosphatase 6 [Source:HGNC				
Symbol;Acc:HGNC:3072]	-	1742	2860	2326 1225 1082
1802	18.18363966	26.9064301	23.441597	
14.69533807	14.35840074	18.08911226		
ENSG00000243709	7.694847448	14.79145187	24.19049529	0
0	0	15.55893154	0	6.301738806
0.001656571	1	LEFTY1	1	225886282 225911382
-	1891	protein_coding	left-right determination	
factor 1 [Source:HGNC Symbol;Acc:HGNC:6552]				
26	0	0	0	0.20455009 0.391756301
0.64184159	0	0	0	
ENSG00000279494	29.81753386	11.31111026	6.512825656	0
0	0	15.88048992	0	6.330345457
0.001666087	1	AL117328.2	22	49851425
49853364	+	1940	lincRNA novel transcript	-
31	13	7	0	0 0.772611522
0.292011678	0.16843888	0	0	0
ENSG00000150995	6262.643966	7201.696891	7512.079193	
6169.383132	4667.8453	4734.033773	6992.140017	
5190.420735	0.429940695	0.001675591	0.057177438	ITPR1
3	4493345	4847840	+	32454
protein_coding "inositol 1,4,5-trisphosphate receptor type 1				
[Source:HGNC Symbol;Acc:HGNC:6180]"				
5598	3851	5128	9.700199806	6511 8277 8074
11.61359158	9.584659875	7.293779787	7.347012907	
ENSG00000225224	9.618559309	34.80341617	4.652018326	0
0	0	16.35799794	0	6.374976407
0.001677035	1	RPS27AP12	7	157192368
157192832	+	465	processed_pseudogene	ribosomal
protein S27a pseudogene 12 [Source:HGNC Symbol;Acc:HGNC:35732]				
10	40	5	0	0 1.03979629
3.748570095	0.501953038	0	0	0
ENSG00000052802	1016.681719	1386.916134	1076.477041	
1806.291346	1940.592139	1407.839607	1160.024965	
1718.24103	-0.565939444	0.001679436	1	MSM01 4
165327623	165343160	+	2892	protein_coding
methylsterol monooxygenase 1 [Source:HGNC				
Symbol;Acc:HGNC:10545]				
1525	17.67168311	1057	1594	1157 1639 1601
31.49145368	34.02831179	24.0186518	18.67588135	
ENSG00000198886	67986.86277	67154.93167	75476.20613	
78382.46454	93765.38792	95356.43848	70206.00019	
89168.09698	-0.344938854	0.001681689	0.057177438	MT-ND4
MT	10760	12137	+	1378
mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4				
[Source:HGNC Symbol;Acc:HGNC:7459]				
71123	77357	103292	2480.087326	70683 77182 81122
2748.118575	2867.958701	3450.624977	3485.366777	
ENSG00000180610	28.85567793	7.830768638	10.23444032	0

0	0	15.64029563	0	6.308163906		
0.001745183	1	ZBTB12BP	4	39770081		
39771371	-	1122	processed_pseudogene	"zinc finger		
			and BTB domain containing 12B, pseudogene [Source:HGNC			
Symbol;Acc:HGNC:37702]"	-	30	9	11	0	0
0	1.292794853	0.34954915	0.457663064	0		
0	0					
ENSG00000272129	48.09279655	6.960683234	8.373632987			
1.102069155	0	0	21.14237092	0.367356385		
5.780896479	0.001749913	1	AL359715.3	6		
80355424	80356859	+	1436	lincRNA novel		
transcript	-	50	8	9	1	0
1.683514188	0.242769512	0.292572906	0.038695245			
0	0					
ENSG00000243243	13.46598303	13.05128106	18.6080733	0		
0	0	15.04177913	0	6.252685675		
0.001789024	1	AC073130.2	7	116237929		
116327896	-	917	antisense	novel transcript		
-	14	15	20	0	0	
0.738175992	0.712821058	1.018138115	0	0	0	
ENSG00000150637	23.08454234	9.570939447	13.02565131	0		
0	0	15.22704437	0	6.269793633		
0.001792257	1	CD226	18	69831158	69961803	
-	13638	protein_coding	CD226 molecule [Source:HGNC			
Symbol;Acc:HGNC:16961]"	-	24	11	14	0	0
0	0.085086718	0.035147998	0.047920726	0		
0	0					
ENSG00000212127	63.48249144	31.32307455	71.64108222			
6.612414933	10.90901265	12.92442918	55.48221607			
10.14861892	2.445984373	0.001820118	1	TAS2R14	12	
10937406	11171573	-	2350	protein_coding		
taste 2 receptor member 14 [Source:HGNC			Symbol;Acc:HGNC:14920]"			
-	66	36	77	6	9	14
1.357929708	0.667564504	1.529568386	0.141871589			
0.235408428	0.277007286					
ENSG00000275993	1012.834295	1099.787951	852.2497573			
504.7476732	584.2382329	787.4670064	988.2906679			
625.4843041	0.65878515	0.00182434	1	SIK1B	21	
6111134	6123739	+	4806	protein_coding	salt inducible	
kinase 1B (putative) [Source:HGNC			Symbol;Acc:HGNC:52389]"			
1053	1264	916	458	482	853	10.5936549
11.46098397	8.897289934	5.295338841	6.164681335			
8.252704272						
ENSG00000150991	16905.57984	16569.03635	15936.88438			
17682.6996	23748.92053	22988.86681	16470.50019			
21473.49565	-0.382676073	0.001842221	0.060811209	UBC		
12	124911604	124917368	-	3898		
protein_coding ubiquitin C [Source:HGNC			Symbol;Acc:HGNC:12468]"			
17576	19043	17129	16045	19593	24902	218.0115113
212.8884649	205.1333207	228.7230482	308.9629932			

297.0457972

ENSG00000181856	14.42783896	18.27179349	12.09524765	0
0	0	14.9316267	0	6.242402668
0.001869267	1	SLC2A4	17	7281667 7288257 + 4046
protein_coding solute carrier family 2 member 4 [Source:HGNC				
Symbol;Acc:HGNC:11009]	-	15	21	13 0 0
0	0.179253068	0.226178862	0.149990416	0
0	0			
ENSG00000276180	130.8124066	135.7333231	88.38834819	
286.5379804	233.9377156	219.715296	118.3113593	
246.7303307	-1.059745922	0.001878953	1	HIST1H4I
6	27138588	27139881	+	1294
protein_coding histone cluster 1 H4 family member i [Source:HGNC				
Symbol;Acc:HGNC:4793]	-	136	156	95 260 193
238	5.081662859	5.253502216	3.427167769	
11.16480431	9.16791109	8.552118282		
ENSG00000213658	10.58041524	13.05128106	21.3992843	0
0	0	15.01032687	0	6.249766697
0.001887724	1	LAT	16	28984826 28990783
+	4430	protein_coding	linker for activation of T	
cells [Source:HGNC Symbol;Acc:HGNC:18874]				
23	0	0	0	0.120057743 0.14755235
0.242365135	0	0	0	
ENSG00000213442	2457.541904	2352.710933	3037.767967	
2921.585331	3947.850466	4223.518821	2616.006934	
3697.651539	-0.499410362	0.001899428	0.060811209	
RPL18AP3	12	104265309	104265836	+ 528
processed_pseudogene ribosomal protein L18a pseudogene 3				
[Source:HGNC Symbol;Acc:HGNC:31387]				
2651	3257	4575	233.9689351	223.1677128
288.6657771	278.9894938	379.1675796	402.8915826	
ENSG00000259974	0	0	0.930403665	7.714484088
14.5453502	32.31107295	0.310134555		
18.19030241	-5.789057324	0.001912077	1	LINC00261
20	22547671	22578642	-	5552
lincRNA long intergenic non-protein coding RNA 261 [Source:HGNC				
Symbol;Acc:HGNC:16189]	-	0	0	1 7 12
35	0	0	0.008408075	0.070058466
0.132855381	0.293122803			
ENSG00000185989	3727.191732	3834.466377	3773.717266	
2984.403273	2838.767513	3058.473848	3778.458458	
2960.548211	0.351769658	0.001918573	0.060811209	RASA3
13	113977783	114132611	-	4763
protein_coding RAS p21 protein activator 3 [Source:HGNC				
Symbol;Acc:HGNC:20331]	-	3875	4407	4056 2708 2342
3313	39.33619442	40.32005044	39.75240429	
31.59221833	30.22412032	32.34237233		
ENSG00000103018	3035.617318	3056.610025	2660.954482	
3786.709618	4088.455517	3562.526586	2917.727275	
3812.563907	-0.385669345	0.001921051	0.060811209	CYB5B

16	69424525	69466266	+	6903		
protein_coding	cytochrome b5 type B [Source:HGNC					
Symbol;Acc:HGNC:24374]	-	3156 3513	2860	3436	3373	
3859	22.10549975	22.17679971	19.34078938			
27.65841734	30.03487494	25.99368929				
ENSG00000226419	413.5980503	415.9008232	508.0004012			
224.8221077	259.3920785	295.4155241	445.8330916			
259.8765701	0.777638813	0.001927318	1	SLC16A1-AS1		
1	112956415	113047055	+	10138		
antisense	SLC16A1 antisense RNA 1 [Source:HGNC					
Symbol;Acc:HGNC:49445]	-	430 478	546	204	214	
320	2.050772028	2.054632755	2.51412225			
1.118123883	1.297504422	1.467670988				
ENSG00000197702	2240.162463	2256.131453	2102.712283			
3188.286067	2841.191738	2675.35684	2199.668733			
2901.611548	-0.399388501	0.001979733	0.061606617	PARVA		
11	12377185	12535356	+	12849		
protein_coding	parvin alpha [Source:HGNC Symbol;Acc:HGNC:14652]					
-	2329 2593	2260 2893	2344	2898		
8.763979962	8.794107808	8.210793803	12.51097477			
11.21335673	10.48721255					
ENSG00000126091	187.5619065	187.9384473	174.9158891			
84.85932497	79.99942608	87.70148371	183.472081			
84.18674492	1.12317073	0.002000341	1	ST3GAL3 1		
43705824	43931165	+	19475	protein_coding		
"ST3 beta-galactoside alpha-2,3-sialyltransferase 3						
[Source:HGNC Symbol;Acc:HGNC:10866]"	-		195	216	188	
77	66 95	0.484125949	0.483320129			
0.450636556	0.219697595	0.20831178	0.226817812			
ENSG00000198804	159805.6299	146103.0009	144089.7548			
153933.7134	219105.0948	230517.3493	149999.4619			
201185.3858	-0.423572067	0.002014645	0.06164813	MT-C01		
MT	5904 7445	+	1542	protein_coding		
mitochondrially encoded cytochrome c oxidase I [Source:HGNC						
Symbol;Acc:HGNC:7419]	-	166143 167918	154868 139677	180763		
249701	5209.534169	4745.38526	4688.385908			
5033.297127	7205.639441	7529.513669				
ENSG00000085733	4819.86007	4436.565476	5086.516838			
3978.469651	3389.066596	3713.927042	4780.980795			
3693.821096	0.372024477	0.00204947	0.061685696	CTTN		
11	70398404	70436584	+	6949		
protein_coding	cortactin [Source:HGNC Symbol;Acc:HGNC:3338]					
5011	5099 5467	3610 2796	4023	34.86609487		
31.9757911	36.72592966	28.86668638	24.73216958			
26.91898863						
ENSG00000270021	23.08454234	7.830768638	13.95605498	0		
0	0	14.95712199	0	6.243878419		
0.002050139	1	AC026691.1	5	135399280		
135401296	+	2017	antisense	"novel transcript,		
antisense to H2AFY"	-	24	9	15	0	0

	0	0.575316143	0.194444297	0.347161372	0
	0	0			
ENSG00000263624	26.93196607		13.05128106	31.63372462	0
	2.424225033	0	23.87232392	0.808075011	
4.984904034	0.002051574	1	AC055811.1	17	
17167946	17185554	-	1231	antisense	novel
transcript	-	28	15	34	0
	1.099768294	0.530996678	1.289338348	0	0
0.099866379	0				
ENSG00000253522	114.4608558		200.9897284	159.0990267	
78.24691003	60.60562582		26.77203187	158.1832036	
55.20818924	1.524055608		0.002065293	1	MIR3142HG
	5	160438594	160487426	+	2377
lincRNA MIR3142	host gene [Source:HGNC Symbol;Acc:HGNC:51944]				-
	119	231	171	71	50
	29	2.420577523			
	4.234882801	3.358249544	1.659744395	1.29296921	
	0.567283085				
ENSG00000205609	137.5453981		53.07520966	80.94511887	
1413.954726	104.2416764		673.9166643	90.52190889	
730.7043557	-3.01334227		0.002075185	1	EIF3CL 16
	28379579	28403879	-	3091	protein_coding
	eukaryotic translation initiation factor 3 subunit C like				
[Source:HGNC Symbol;Acc:HGNC:26347]	-		143	61	87
	1283	86	730	2.236857144	0.859982132
1.313912013	23.06426902		1.710199623	10.98132824	
ENSG00000243423	0	0	0	6.612414933	13.33323768
	22.15616431	0	14.03393897	-6.375573989	
0.00211976	1	AC004223.1	17	35076737	
35077007	+	271	processed_pseudogene	ribosomal	
protein L37 (RPL37)	pseudogene	-	0	0	0
	11	24	0	0	1.230251783
2.495001175	4.117873196				
ENSG00000141552	1143.646702		1310.348619	1224.411223	
1502.120259	1933.319464		1691.253875	1226.135515	
1708.897866	-0.478545625		0.002122059	1	ANAPC11 17
	81890790	81900991	+	4027	protein_coding
	anaphase promoting complex subunit 11 [Source:HGNC				
Symbol;Acc:HGNC:14452]	-	1189	1506	1316	1363
	1832	14.27583243	16.29678515	15.25528394	1595
18.80729211	24.34593275		21.15314069		
ENSG00000186812	714.6589567		763.0648995	728.5060698	
494.8290508	526.0568321		451.4318477	735.4099754	
490.7725769	0.58439813		0.002128193	1	ZNF397 18
	35241030	35267133	+	8710	protein_coding
	zinc finger protein 397 [Source:HGNC Symbol;Acc:HGNC:18818]				
	zf-C2H2	743	877	783	449
	434	489			
4.124505388	4.387731422		4.19652334	2.864443297	
3.062802089	2.610488127				
ENSG00000167693	8.656703379		7.830768638	28.84251362	0
	0	0	15.10999521	0	6.259045242

0.002170448	1	NXN	17	799313	979770	-	5880
protein_coding nucleoredoxin [Source:HGNC							
Symbol;Acc:HGNC:18008]	-		9	9	31	0	0
0	0.074005909		0.066699685		0.246110648		0
0	0						
ENSG0000042753	4448.583681		4642.775717		4838.099059		
5189.643653	6105.410745		7155.517897		4643.152819		
6150.190765	-0.4057009		0.002262018		0.066058804		AP2S1
19	46838136		46850992		-	1704	
protein_coding adaptor related protein complex 2 subunit sigma 1							
[Source:HGNC Symbol;Acc:HGNC:565]	-				4625	5336	5200
4709	5037	7751	131.2330925		136.4598307		
142.4556862	153.5575391		181.6978216		211.5042821		
ENSG00000188229	9929.238775		8886.182234		11391.86248		
10997.5481	15364.73826		14215.02575		10069.0945		
13525.7707	-0.425784822		0.002299861		0.066058804		TUBB4B
9	137241213		137243707		+	2111	
protein_coding tubulin beta 4B class IVb [Source:HGNC							
Symbol;Acc:HGNC:20771]	-		10323	10213	12244	9979	12676
15398	236.4388893		210.8257706		270.7578915		
262.6702171	369.0977157		339.1619317				
ENSG00000100075	1901.589175		2124.748557		2756.78606		
2806.970139	3946.638353		2993.851702		2261.041264		
3249.153398	-0.522799907		0.002311381		0.066058804		
SLC25A1 22	19175575		19178830		-	2096	
protein_coding solute carrier family 25 member 1 [Source:HGNC							
Symbol;Acc:HGNC:10979]	-		1977	2442	2963	2547	3256
3243	45.60543552		50.77067987		65.99125824		
67.52268607	95.48617092		71.94269266				
ENSG00000271383	898.3734395		669.9657613		813.1728034		
545.5242319	378.1791051		562.2126693		793.8373347		
495.3053354	0.678953854		0.002321708		1	NBPF19	1
149390623	149556361		+		18785	protein_coding	
NBPF member 19 [Source:HGNC Symbol;Acc:HGNC:31999]							
934	770	874	495	312	609	2.404013451	
1.786233062	2.171932225		1.464219017		1.02091775		
1.507429852							
ENSG00000250651	19.23711862		20.8820497		4.652018326		0
0	0	14.92372888	0		6.241630595		
0.002328454	1	PABPC1P7	4		102896725		
102898237	+	1513	processed_pseudogene		poly(A)		
binding protein cytoplasmic 1 pseudogene 7 [Source:HGNC							
Symbol;Acc:HGNC:37987]	-		20	24	5	0	0
0	0.639134534		0.691243263		0.154268449		0
0	0						
ENSG00000143384	19369.85474		24095.2751		20022.28687		
15695.66891	17058.05944		17185.79811		21162.47224		
16646.50882	0.346305783		0.002338683		0.066058804		MCL1
1	150574551		150579738		-	4371	
protein_coding "MCL1, BCL2 family apoptosis regulator [Source:HGNC							

Symbol;Acc:HGNC:6943]	"	-	20138	27693	21520	14242	14073
	18616	222.7597627	276.0881693		229.8304124		
181.0515381		197.9033936	198.032551				
ENSG00000223478	4.809279655	0	2.791210996		31.96000551		
	21.81802529	39.69646105	2.533496883		31.15816395		
	-3.636102245	0.002427021	1	AL441992.1	9		
	128724445	128733194	+	544	antisense		
	uncharacterized	LOC100506100	[Source:NCBI gene;Acc:100506100]				
	-	5	0	3	29	18	43
0.444398231	0	0.257435474	2.96217793		2.033859581		
	3.675365835						
ENSG00000187678	1094.592049	1095.437524	1030.887261				
804.5104835	726.0553973	757.925454	1073.638945				
762.8304449	0.49295583	0.002434175	1	SPRY4	5		
	142310427	142326455	-	6565	protein_coding		
	sprouty RTK signaling antagonist 4 [Source:HGNC						
Symbol;Acc:HGNC:15533]	-	1138	1259	1108	730	599	
	821	8.381249092	8.356984515	7.878636538			
6.178743596	5.608406089	5.814862434					
ENSG00000238133	0	0	0	18.73517564	9.69690013		
	12.00125567	0	13.47777715	-6.31566883			
0.002435435	1	MAP3K20-AS1	2	173166446			
173282036	-	3049	antisense	MAP3K20	antisense RNA		
1 [Source:HGNC	Symbol;Acc:HGNC:27935]	-	0	0	0		
	17	8	13	0	0	0.309815785	
	0.16127978	0.198251712					
ENSG00000130164	2497.939853	2519.767331	2513.0203				
4085.370359	3792.700064	2643.96894	2510.242494				
3507.346454	-0.482149777	0.002443818	0.067982573	LDLR			
	19	11089362	11133816	+	7718		
	protein_coding	low density lipoprotein receptor	[Source:HGNC				
Symbol;Acc:HGNC:6547]	-	2597	2896	2701	3707	3129	
	2864	16.26928218	16.35130355	16.33675687			
26.68884967	24.92000638	17.25437599					
ENSG00000131389	2049.714989	1755.832346	2230.177585				
1589.183722	1472.716707	1327.523511	2011.908307				
1463.141314	0.459716197	0.002476125	1	SLC6A6	3		
	14402576	14489349	+	8254	protein_coding		
	solute carrier family 6 member 6 [Source:HGNC						
Symbol;Acc:HGNC:11052]	-	2131	2018	2397	1442	1215	
	1438	12.48303539	10.65406385	13.55656327			
9.707621604	9.048137122	8.10075392					
ENSG00000279349	0	0	0	13.22482987	15.75746271		
	11.07808215	0	13.35345824	-6.301281408			
0.002484066	1	AC092692.1	3	112525548			
112528142	-	2595	TEC	TEC	-	0	0
	0	12	13	12	0	0	
0.256954322	0.307930956	0.215018042					
ENSG00000188517	0	0	0	8.816553243	6.060562582		
	26.77203187	0	13.88304923	-6.361767713			

0.002492198	1	COL25A1	4	108808725	109302752	
-	8744	protein_coding	collagen	type XXV	alpha	1
chain [Source:HGNC Symbol;Acc:HGNC:18603]	-	0	0			0
0	8	5	29	0	0	0
0.050838401	0.035148534		0.154212248			
ENSG00000164683	71.17733889		141.8239209		106.0660178	
177.433134	317.5734793		226.1775106		106.3557592	
240.394708	-1.17440372		0.002498536	1	HEY1	8
79764010	79767863	-	3232	protein_coding		
hes related family bHLH transcription factor with YRPW motif 1						
[Source:HGNC Symbol;Acc:HGNC:4880]	bHLH	74	163	114		
161	262	245	1.107035592	2.197732599		
1.646567485	2.768003071		4.9828441	3.524729151		
ENSG00000125740	95.22373716		56.55555128	96.76198118		
330.6207466	229.0892656		97.85639235	82.84708987		
219.1888015	-1.403021525		0.002521747	1	FOSB	19
45467995	45475179	+	5553	protein_coding		
"FosB proto-oncogene, AP-1 transcription factor subunit						
[Source:HGNC Symbol;Acc:HGNC:3797]"	TF_bZIP	99	65	104		
300	189	106	0.862002921	0.51008703		
0.874282331	3.001965003		2.09209543	0.887583479		
ENSG00000197301	168.3247879		112.2410171	133.0477241		
57.30759608	27.87858788		63.69897238	137.8711764		
49.62838545	1.468341184		0.00253731	1	AC090673.1	
12	65851340		65882167	-	6033	
antisense	uncharacterized	LOC100129940	[Source:NCBI			
gene;Acc:100129940]	-	175	129	143	52	23
69	1.402509914		0.931783429	1.106493197		
0.47894105	0.234337542		0.531798103			
ENSG00000215021	4449.545537		4636.685119	4915.322563		
5453.038181	6282.379172		6012.629088	4667.184406		
5916.01548	-0.342027637		0.00257198	0.070027852		PHB2
12	6965327	6970825	-	2499	protein_coding	
prohibitin 2 [Source:HGNC Symbol;Acc:HGNC:30306]						4626
5329	5283	4948	5183	6513	89.50361752	
92.92617514	98.68710076		110.0209723	127.4859466		
121.1841553						
ENSG00000168028	28232.39529		38204.58001	34689.17025		
42230.18797	42683.33015		44757.29824	33708.71518		
43223.60545	-0.358687971		0.00264869	0.070027852		RPSA
3	39406689		39412542	+	3936	
protein_coding	ribosomal protein SA	[Source:HGNC				
Symbol;Acc:HGNC:6502]	-	29352	43909	37284	38319	35214
48482	360.5652142		486.1351842	442.1946108		
540.967433	549.9302763		572.7386026			
ENSG00000244480	24.04639827		16.53162268	3.721614661		0
0	0	14.76654521	0	6.225927136		
0.002656293	1	AC005154.2	7	30523143		
30524535	-	1393	transcribed_processed_pseudogene			
"pseudogene similar golgi autoantigen, golgin subfamily a, 8A						

GOLGA8A"	-	25	19	4	0	0	0
	0.867740982	0.59437575		0.134046325		0	0
	0						
ENSG00000142546	3763.742258		3418.565553		4326.377043		
	3882.589635	6347.833248	6224.035823		3836.228285		
	5484.819568	-0.515819263	0.002661785		0.070027852		NOSIP
	19	49555711	49590262		-	4248	
protein_coding	nitric oxide synthase interacting protein [Source:HGNC						
Symbol;Acc:HGNC:17946]	-		3913	3929	4650	3523	5237
	6742	44.53757394	40.30473949		51.09924468		
	46.08294004	75.77839909	73.79641394				
ENSG00000267786	24.04639827		6.960683234		12.09524765		0
	0	0	14.36744305	0	6.185751461		
	0.002662626	1	AF038458.3	19	35947115		
	35959192	+	500	lincRNA novel transcript			-
	25	8	13	0	0	2.417526375	
	0.697234038		1.213722446	0	0	0	
ENSG00000277159	23.08454234		17.40170808		3.721614661		0
	0	0	14.73595503	0	6.2230218		
	0.002669447	1	AL139384.2	13	112602828		
	112606417	-	3590	lincRNA novel transcript			-
	24	20	4	0	0	0.323234724	
	0.242769512		0.052012961	0	0	0	
ENSG00000165288	1221.557032		884.8768561		971.3414265		
	768.1422013	481.208669	705.3045637		1025.925105		
	651.5518113	0.653848125	0.002671729		1	BRWD3	X
	80670854	80809688	-		12694	protein_coding	
	bromodomain and WD repeat domain containing 3 [Source:HGNC						
Symbol;Acc:HGNC:17342]	-		1270	1017	1044	697	397
	764	4.837338106	3.491250868		3.839264565		
	3.051028945	1.922380591	2.798503683				
ENSG00000105738	3291.470996		2726.847657		3368.991672		
	2471.941116	2067.863953	2465.796453		3129.103441		
	2335.200507	0.421775936	0.002685025		0.070027852		
SIPA1L3	19	37907228	38208372		+	10335	
protein_coding	signal induced proliferation associated 1 like 3						
[Source:HGNC Symbol;Acc:HGNC:23801]	-				3422	3134	3621
	2243	1706	2671	16.00924094	13.21438966		
	16.35550958	12.05954261	10.14649174		12.01695473		
ENSG00000116221	2639.332675		2547.610064		3048.932811		
	3412.006105	3484.823484	3857.018936		2745.29185		
	3584.616175	-0.385094052	0.002708049		0.070027852		MRPL37
	1	54184041	54225464		+	2549	
protein_coding	mitochondrial ribosomal protein L37 [Source:HGNC						
Symbol;Acc:HGNC:14034]	-		2744	2928	3277	3096	2875
	4178	52.0493713	50.05642561		60.01400937		
	67.49057997	69.32906988	76.21309846				
ENSG00000254941	15.3896949		23.49230591		13.95605498		0
	1.212112516	0	17.61268526		0.404037505		
	5.519062685	0.00271859	1	AP000866.4		11	

124807822	124808269	-	448	processed_pseudogene		
	ring finger protein 181 (RNF181)		pseudogene	-	16	
	27	15	0	1	0	1.726804553
2.626300086	1.56300109	0	0.137204813	0		
ENSG00000087494	7.694847448	60.9059783	69.78027489			
136.6565753	209.6954653	143.0918945	46.12703354			
163.1479784	-1.820155256	0.002741598	1	PTHLH	12	
	27958084	27972705	-	3377	protein_coding	
	parathyroid hormone like hormone [Source:HGNC					
Symbol;Acc:HGNC:9607]	-	8	70	75	124	173
	155	0.114540782	0.90328662	1.036755239		
2.040340584	3.148925622	2.134182997				
ENSG00000123384	1966.995379	1165.914442	1966.873348			
1363.259545	1031.507751	742.2315042	1699.927723			
1045.666267	0.70146355	0.002752434	1	LRP1	12	
	57128493	57213351	+	20839	protein_coding	
	LDL receptor related protein 1 [Source:HGNC					
Symbol;Acc:HGNC:6692]	-	2045	1340	2114	1237	851
	804	4.744797194	2.802118655	4.735590538		
3.298411748	2.510152145	1.793949412				
ENSG00000280537	8.656703379	10.44102485	23.26009163	0		
	0	14.11927329	0	6.161394968		
0.002826539	1	AC068946.1	2	219075329		
219170827	-	4650	protein_coding	"novel protein,		
SLC23A3-NHEJ1 readthrough"		-	9	12	25	0
	0	0.093581666	0.112457103	0.250976519		
	0	0				
ENSG00000161800	968.5889225	983.1965068	1096.945921			
1649.797526	1307.869405	1322.907644	1016.243784			
1426.858191	-0.489538366	0.002861134	1	RACGAP1	12	
	49976923	50033136	-	4487	protein_coding	
	Rac GTPase activating protein 1 [Source:HGNC					
Symbol;Acc:HGNC:9804]	-	1007	1130	1179	1497	1079
	1433	10.85112128	10.9744047	12.26602291		
18.53863588	14.78130353	14.84981827				
ENSG00000130726	18206.00906	15830.33384	17044.99515			
17943.88999	23459.22564	25969.79409	17027.11268			
22457.63657	-0.399424672	0.002861838	0.070591725	TRIM28		
	19	58544091	58550722	+	4034	
protein_coding	tripartite motif containing 28 [Source:HGNC					
Symbol;Acc:HGNC:16384]	-	18928	18194	18320	16282	19354
	28131	226.8663323	196.539974	211.9998781		
224.2765672	294.9050456	324.2502316				
ENSG00000112514	2346.928472	2451.030584	2926.119527			
3446.170249	3362.40012	3305.884349	2574.692861			
3371.484906	-0.38894851	0.002863642	0.070591725	CUTA		
	6	33416442	33418317	-	1876	
protein_coding	cutA divalent cation tolerance homolog [Source:HGNC					
Symbol;Acc:HGNC:21101]	-	2440	2817	3145	3127	2774
	3581	62.88661358	65.43537727	78.25892025		

92.62049354	90.89102119	88.75697762			
ENSG00000133119	1522.617939	1551.362276	1306.286746		
1951.764474	1909.077213	1994.054787	1460.088987		
1951.632158	-0.418678103	0.002868106	1	RFC3	13
33818049	33966558	+	2874	protein_coding	
replication factor C subunit 3 [Source:HGNC					
Symbol;Acc:HGNC:9971]	-	1583	1783	1404	1771 1575
2160	26.631484	27.034801	22.80480588		
34.24079512	33.68535701	34.94604288			
ENSG00000214279	180.828915	194.8991306	225.157687		
36.36828213	86.05998866	116.3198626	200.2952442		
79.58271113	1.32857716	0.002870889	1	SCART1	10
133453928	133523558	+	8015	protein_coding	
scavenger receptor family member expressed on T cells 1					
[Source:HGNC Symbol;Acc:HGNC:32411]	-	188	224	242	
33	71	126	1.134110938	1.217876048	
1.409476616	0.228782318	0.544505389	0.730967447		
ENSG00000214282	24.04639827	4.350427021	14.88645864	0	
0	0	14.42776131	0	6.19165134	
0.002878833	1	KRT8P14 X	45632292	45633733	
-	1442	processed_pseudogene	keratin 8 pseudogene		
14 [Source:HGNC Symbol;Acc:HGNC:33366]	-	25	5	16	
0	0	0	0.838254638	0.151099609	
0.51796541	0	0	0		
ENSG00000112972	595.3888213	650.8238824	561.9638138		
1239.8278	1003.629164	661.9154086	602.7255058		
968.4574573	-0.683276842	0.002883707	1	HMGCS1	5
43289395	43313512	-	4702	protein_coding	
3-hydroxy-3-methylglutaryl-CoA synthase 1 [Source:HGNC					
Symbol;Acc:HGNC:5007]	-	619	748	604	1125 828
717	6.365158766	6.932303543	5.99653468		
13.29480407	10.82418166	7.090347964			
ENSG00000165916	3852.233003	3829.245864	4203.563759		
4618.77183	5116.326931	5413.489479	3961.680876		
5049.529413	-0.350160266	0.002888004	0.070591725	PSMC3	
11	47418769	47426473	-	2276	
protein_coding "proteasome 26S subunit, ATPase 3 [Source:HGNC					
Symbol;Acc:HGNC:9549]"	-	4005	4401	4518	4191 4221
5864	85.08078322	84.26315355	92.66591208		
102.3192732	113.996221	119.7988701			
ENSG00000111911	1058.041524	1325.140071	960.1765825		
806.7146218	787.8731356	686.8410935	1114.452726		
760.4762836	0.552129069	0.002896931	1	HINT3	6
125956781	125980244	+	3314	protein_coding	
histidine triad nucleotide binding protein 3 [Source:HGNC					
Symbol;Acc:HGNC:18468]	-	1100	1523	1032	732 650
744	16.04875686	20.02654344	14.53694774		
12.273562	12.05613806	10.43882098			
ENSG00000130635	2047.791277	1484.3657	1989.203036		
1138.437438	1576.958384	913.0186041	1840.453338		

1209.471475	0.606571904	0.002913346	1	COL5A1	9	
134641774	134844843	+	11189	protein_coding		
collagen type V alpha 1 chain [Source:HGNC						
Symbol;Acc:HGNC:2209]	-	2129	1706	2138	1033	1301
989	9.199952903	6.6442559		8.919950881		
5.130044015	7.147157998	4.109945244				
ENSG00000122026	8042.077439	9985.100099		14016.53122		
15096.14329	14368.38177	15098.5028		10681.23625		
14854.34262	-0.475808407	0.00291586		0.070591725		RPL21
13	27251309	27256691	+	2249		
protein_coding ribosomal protein L21 [Source:HGNC						
Symbol;Acc:HGNC:10313]	-	8361	11476	15065	13698	11854
16355	179.7504492	222.3615445		312.6984413		
338.4384911	323.9834514	338.1365453				
ENSG00000110921	353.9629826	527.271755		458.6890069		
721.8552968	637.5711836	745.9241983		446.6412482		
701.7835596	-0.651797215	0.002924576	1	MVK	12	
109573255	109598117	+	6480	protein_coding		
mevalonate kinase [Source:HGNC Symbol;Acc:HGNC:7530]						
368	606	493	655	526	808	2.745832425
4.075268391	3.551550131	5.616662622		4.98951231		
5.79785531						
ENSG00000172803	87.52888972	67.86666153		63.26744923		
7.714484088	1.212112516	28.61837889		72.88766683		
12.51499183	2.519373042	0.002942505	1	SNX32	11	
65833641	65856896	+	3966	protein_coding		
sorting nexin 32 [Source:HGNC Symbol;Acc:HGNC:26423]						
91	78	68	7	1	31	1.109404438
0.857038813	0.800391078	0.098074787		0.015498678		
0.363446091						
ENSG00000202523	0	0	0	25.34759057	25.45436284	
0	0	16.93398447		-6.642286666	0.002979652	
1	RF00019	9	83992932	83993033	+	
102	misc_RNA		-	0	0	0
23	21	0	0	0	0	12.52967216
12.65512628	0					
ENSG00000249626	33.66495758	10.44102485		1.86080733	0	
0	0	15.32226325	0	6.278622403		
0.00299332	1	AC024560.2	3	197634315		
197635811	+	1497	processed_pseudogene	"protein		
phosphatase 4, regulatory subunit 2 (PPP4R2) pseudogene"						
35	12	2	0	0	0	1.130439855
0.34931565	0.062366911	0	0	0	0	
ENSG00000172531	3442.482377	3724.835616		4276.135245		
4572.484926	5186.629457	5061.76037		3814.484413		
4940.291584	-0.373080938	0.003002231		0.070591725		PPP1CA
11	67398183	67421183	-	2711		
protein_coding protein phosphatase 1 catalytic subunit alpha						
[Source:HGNC Symbol;Acc:HGNC:9281]	-			3579	4281	4596
4149	4279	5483	63.83125706	68.81360465		

79.14008972	85.04053053	97.01974506	94.04154304		
ENSG00000269997	15.3896949	22.62222051	4.652018326	0	
0	0	14.22131124	0	6.172360792	
0.003012657	1	AC068790.3	12	123966077	
123966629	-	553	sense_intronic	"novel transcript,	
sense intronic to CCDC92"	-	16	26	5	0
0	0	1.398930271	2.048834197	0.422076244	
0	0	0			
ENSG00000231704	20.19897455	3.480341617	19.53847697	0	
0	0	14.40593105	0	6.189550553	
0.003026865	1	AC004895.1	7	6081103	6093085 +
820	lincRNA	novel transcript	-	21	4
21	0	0	0	1.238245216	0.212571353
1.195505224	0	0	0		
ENSG00000147162	5193.060171	4467.888551	5041.857462		
3851.731698	4155.121706	3058.473848	4900.935395		
3688.442417	0.410411673	0.003071492	0.070591725	OGT	
X	71533083	71575897	+	9812	
protein_coding	0-linked N-acetylglucosamine (GlcNAc) transferase				
[Source:HGNC Symbol;Acc:HGNC:8127]	-	5399	5135	5419	
3495	3428	3313	26.60461658	22.80560018	
25.78146829	19.79254697	21.47487447	15.69982872		
ENSG00000233328	15.3896949	24.36239132	15.81686231		
54.00138862	75.15097601	79.39292209	18.52298284		
69.51509557	-1.906419368	0.003083612	1	PFN1P1	1
171670517	171670939	-	423		
processed_pseudogene	profilin 1 pseudogene 1 [Source:HGNC				
Symbol;Acc:HGNC:42989]	-	16	28	17	49
86	1.82886156	2.884537981	1.87609398		62
6.43676652	9.009458358	9.453423236			
ENSG00000146701	5675.911849	5015.17227	5139.549847		
6092.238291	7252.069185	6774.247236	5276.877988		
6706.184904	-0.345805513	0.0030837	0.070591725	MDH2	
7	76048051	76067508	+	3641	
protein_coding	malate dehydrogenase 2 [Source:HGNC				
Symbol;Acc:HGNC:6971]	-	5901	5764	5524	5528
7338	78.36211555	68.98614723	70.82376771		5983
84.36443437	101.0056538	93.71045501			
ENSG00000198763	101563.3296	89093.26505	89124.29749		
93244.96917	139926.2689	143320.8415	93260.29738		
125497.3599	-0.428327357	0.003085536	0.070591725	MT-ND2	
MT	4470	5511	+	1042	protein_coding
mitochondrially encoded	NADH:ubiquinone oxidoreductase core subunit 2				
[Source:HGNC Symbol;Acc:HGNC:7456]	-	105591	102396	95791	
84609	115440	155248	4899.597455	4282.268265	
4291.439793	4511.914766	6809.825123	6927.703839		
ENSG00000218428	25.97011014	7.830768638	8.373632987	0	
0	0	14.05817059	0	6.154348036	
0.003110509	1	NIP7P3	6	116137058	116137572
-	515	processed_pseudogene	"NIP7, nucleolar pre-		

rRNA processing protein pseudogene 3 [Source:HGNC						
Symbol;Acc:HGNC:45182]" -	27	9	9	0	0	
0	2.534882024	0.761542031	0.81579552	0	0	
0	0					
ENSG00000151611	299.1371945	415.9008232	363.7878331			
234.7407301	187.87744	186.4810496	359.6086169			
203.0330732	0.825345454	0.003115536	1	MMAA	4	
145599042	145660035	+	8882	protein_coding		
methylmalonic aciduria (cobalamin deficiency) cblA type						
[Source:HGNC Symbol;Acc:HGNC:18871]" -			311	478	391	
213	155	202	1.692976137	2.345177536		
2.055000938	1.332541914	1.072675322	1.057478676			
ENSG00000283360	6.732991517	8.700854042	26.98170629	0		
0	0	14.13851728	0	6.163310877		
0.003115656	1	AL592295.3	1	161403409		
161470523	-	863	lincRNA novel transcript	-		
7	10	29	0	0	0.392182726	
0.504949332	1.568675949	0	0	0		
ENSG00000221962	0	0	27.55172889	7.272675098		
5.539041076	0	13.45448169	-6.312138716			
0.00312	1	TMEM14EP	3	152339695	152340990	
-	1296					
transcribed_processed_pseudogene			"transmembrane protein 14E,			
pseudogene [Source:HGNC Symbol;Acc:HGNC:34386]" -				0	0	
0	25	6	6	0	0	
1.07188218	0.284572945	0.215266905				
ENSG00000147155	300.0990505	339.3333077	412.1688237			
505.8497423	601.2078081	573.2907514	350.5337273			
560.1161006	-0.67599326	0.003131041	1	EBP	X	
48521158	48528716	+	2409	protein_coding		
"EBP, cholestenol delta-isomerase [Source:HGNC						
Symbol;Acc:HGNC:3133]" -		312	390	443	459	496
621	6.262085752	7.054827592	8.584459619			
10.58736606	12.65587675	11.98631863				
ENSG00000116649	5865.397467	4776.768869	4638.062271			
6231.099005	6515.104775	7011.502829	5093.409536			
6585.902203	-0.370902284	0.003133009	0.070591725	SRM		
1	11054584	11060024	-	1898		
protein_coding spermidine synthase [Source:HGNC						
Symbol;Acc:HGNC:11296]" -		6098	5490	4985	5654	5375
7595	155.3432648	126.0476445	122.6069222			
165.5280656	174.0722812	186.0641007				
ENSG00000242299	394.3609317	462.0153497	548.9381625			
791.2856536	706.661597	664.6849292	468.4381479			
720.8773933	-0.621513707	0.003143226	1	AC073861.1		
3	101576489	101576947	-	459		
processed_pseudogene ribosomal protein S18 (RPS18) pseudogene						
-	410	531	590	718	583	720
43.18892434	50.41275517	60.00471287	86.92081752			
78.07342457	72.93749255					

ENSG00000161996	1962.186099	1302.51785	1831.964817			
1248.644353	904.2359372	1269.36358	1698.889589			
1140.747957	0.573752651	0.00314452	1	WDR90	16	
649311	667833	+	10534	protein_coding	WD repeat	
domain 90 [Source:HGNC Symbol;Acc:HGNC:26960]	-		2040		1497	
1969	1133	746	1375	9.363496875	6.192800422	
8.725663044	5.97652361	4.353042163	6.06932512			
ENSG00000139990	1252.336422	1149.382819	1090.433096			
825.4497974	890.9026995	790.2365269	1164.050779			
835.5296746	0.478830361	0.003182382	1	DCAF5	14	
69050881	69153150	-	8295	protein_coding		
DDB1 and CUL4 associated factor 5 [Source:HGNC						
Symbol;Acc:HGNC:20224]	-	1302	1321	1172	749	735
856	7.58919672	6.939769166	6.595644768			
5.017385507	5.446510045	4.798310993				
ENSG00000122705	3817.60619	4044.156959	3743.944349			
4898.697396	5008.448917	4639.870075	3868.569166			
4849.005463	-0.325716494	0.00321322	0.070591725		CLTA	
9	36190856	36304781	+	2515		
protein_coding	clathrin light chain A [Source:HGNC					
Symbol;Acc:HGNC:2090]	-	3969	4648	4024	4445	4132
5026	76.30347659	80.53538288	74.69061209			
98.2077632	100.9879796	92.92135047				
ENSG00000196419	8835.608582	7701.995998	7695.368715			
10085.03484	9989.019247	10017.35579	8077.657765			
10030.46996	-0.3124239	0.003221445	0.070591725		XRCC6	
22	41621119	41664048	+	3288		
protein_coding	X-ray repair cross complementing 6 [Source:HGNC					
Symbol;Acc:HGNC:4055]	-	9186	8852	8271	9151	8241
10851	135.081492	117.3189572	117.4281578			
154.6495961	154.0619766	153.4507349				
ENSG00000065427	7549.607202	6898.037085	6674.715894			
8404.379379	8946.602483	8854.157161	7040.786727			
8735.046341	-0.311106968	0.003233897	0.070591725		KARS	
16	75627474	75648643	-	4065		
protein_coding	lysyl-tRNA synthetase [Source:HGNC					
Symbol;Acc:HGNC:6215]	-	7849	7928	7174	7626	7381
9591	93.358743	84.98879844	82.38475571			
104.2433344	111.6097192	109.7070051				
ENSG00000171161	1003.215736	893.5777102	984.3670778			
1265.17539	1267.869692	1424.45673	960.3868413			
1319.167271	-0.458488938	0.003258148	1	ZNF672	1	
248838210	248849517	+	3741	protein_coding		
zinc finger protein 672 [Source:HGNC						
Symbol;Acc:HGNC:26179]						
zf-C2H2	1043	1027	1058	1148	1046	1543
13.48024597	11.96303389	13.20212971	17.05164269			
17.1866541	19.1782615					
ENSG00000169727	3221.255513	3748.327921	3620.200661			
3970.755167	4860.57119	5032.218818	3529.928032			
4621.181725	-0.388638019	0.003259189	0.070591725		GPS1	

17	82050691	82057470	+	6155		
protein_coding	G protein pathway suppressor 1 [Source:HGNC					
Symbol;Acc:HGNC:4549]	-	3349	4308	3891	3603	4010
5451	26.30802869	30.50044917		29.51067949		
32.52731747	40.04641794	41.17931736				
ENSG0000008988	11245.05769	14924.57494		13809.0512		
16289.68419	16776.84934	18208.67437		13326.22794		
17091.73596	-0.35902572	0.003268135		0.070591725		RPS20
8	56067295	56074581	-	3002		
protein_coding	ribosomal protein S20 [Source:HGNC					
Symbol;Acc:HGNC:10405]	-	11691	17153	14842	14781	13841
19724	188.2964747	248.9934928		230.795733		
273.5931204	283.4028027	305.5028908				
ENSG00000267523	84.64332192	13.92136647		53.96341258		
7.714484088	4.848450065	11.07808215		50.84270032		
7.880338769	2.677953825	0.003280019		1	AC008735.2	
19	55661901	55674715	-	561		
antisense	"novel transcript, antisense to U2AF2A"			-		88
16	58	7	4	12	7.584396469	
1.242841422	4.826265041	0.693341543		0.438272772		
0.994602171						
ENSG00000176155	727.1630838	656.9144802		915.5172065		
569.7697534	373.330655	500.3600439		766.5315902		
481.1534841	0.670898319	0.003284214		1	CCDC57	17
82101460	82212830	-		12397		protein_coding
	coiled-coil domain containing 57 [Source:HGNC					
Symbol;Acc:HGNC:27564]	-	756	755	984	517	308
542	2.948535838	2.653926849		3.705309868		
2.31731987	1.527149223	2.032889176				
ENSG00000279632	38.47423724	9.570939447		6.512825656		
1.102069155	0	0		18.18600078	0.367356385	
5.563778169	0.003289936	1	AP003108.4	11		
61426448	61427325	-	878	TEC	novel	
transcript	-	40	11	7	1	0
2.202757517	0.545954899	0.372177025		0.06328744		
0	0					
ENSG00000207088	26.93196607	4.350427021		11.16484398		0
0	0	14.14907902	0	6.163411953		
0.003316762	1	SNORA7B	3	129397210	129397348	
-	139	snoRNA	"small nucleolar RNA, H/ACA box 7B			
[Source:HGNC Symbol;Acc:HGNC:32593]"	-			28	5	12
0	0	0	9.739674603	1.567522567		
4.030068998	0	0	0			
ENSG00000184208	628.0919229	517.7008155		569.4070431		
360.3766138	318.7855918	410.8122132		571.7332605		
363.3248063	0.65252596	0.003347218		1	C22orf46	
22	41688939	41698136	+	5341		
protein_coding	chromosome 22 open reading frame 46 [Source:HGNC					
Symbol;Acc:HGNC:26294]	-	653	595	612	327	263
445	5.911420044	4.85459479		5.349028108		

3.402022788	3.026777736	3.874078809				
ENSG00000136527	5018.964248	5436.293606	5429.83579			
6626.741832	6502.98365	6519.451347	5295.031214			
6549.725609	-0.306757494	0.003349835	0.071515084	TRA2B		
3	185915906	185938136	-	11769		
protein_coding	transformer 2 beta homolog	[Source:HGNC				
Symbol;Acc:HGNC:10781]	-	5218	6248	5836	6013	5365
7062	21.43708492	23.1344967	23.14844146			
28.38988836	28.02060601	27.90096141				
ENSG00000092439	1735.188099	1937.680195	2093.408247			
1626.654073	1179.385478	1336.755246	1922.09218			
1380.931599	0.476897201	0.003353804	1	TRPM7	15	
50552473	50686815	-	12398	protein_coding		
transient receptor potential cation channel subfamily M member						
7 [Source:HGNC Symbol;Acc:HGNC:17994]	-	1804	2227	2250		
1476	973	1448	7.035356638	7.827574013		
8.471823943	6.615257733	4.824014099	5.430601659			
ENSG00000132002	7303.372084	5776.496999	6505.382427			
7445.579214	8862.966719	9043.407731	6528.41717			
8450.651221	-0.372431934	0.003421992	0.071828215	DNAJB1		
19	14514770	14529770	-	3672		
protein_coding	DnaJ heat shock protein family (Hsp40) member B1					
[Source:HGNC Symbol;Acc:HGNC:5270]	-	7593	6639	6992		
6756	7312	9796	99.97972637	78.78773107		
88.88833737	102.2348613	122.3998457	124.0443884			
ENSG00000126457	5813.457247	6009.679887	6221.609309			
6689.559773	8267.819474	7919.905566	6014.915481			
7625.761604	-0.342314032	0.003442747	0.071828215	PRMT1		
19	49675786	49689029	+	4796		
protein_coding	protein arginine methyltransferase 1	[Source:HGNC				
Symbol;Acc:HGNC:5187]	-	6044	6907	6687	6070	6821
8579	60.93214933	62.75796886	65.08758901			
70.32691394	87.42109366	83.17417686				
ENSG00000008710	2651.836802	1902.006694	2508.368281			
1464.649908	1644.836685	1927.586295	2354.070592			
1679.024296	0.486965217	0.003489967	1	PKD1	16	
2088710	2135898	-	18532	protein_coding	"polycystin 1,	
transient receptor potential channel interacting	[Source:HGNC					
Symbol;Acc:HGNC:9008]"	-	2757	2186	2696	1329	1357
2088	7.19309326	5.1402763	6.791154833			
3.984875278	4.500957543	5.238889291				
ENSG00000184967	1299.467363	1239.001616	1316.521186			
1449.220939	1856.956375	2058.676933	1284.996722			
1788.284749	-0.477182012	0.003506924	1	NOC4L	12	
132144448	132152473	+	2029	protein_coding		
nucleolar complex associated 4 homolog	[Source:HGNC					
Symbol;Acc:HGNC:28461]	-	1351	1424	1415	1315	1532
2230	32.19396877	30.58345458	32.55520457			
36.01270549	46.41133688	51.10387523				
ENSG00000196739	1240.794151	863.124721	1163.004581			

778.0608237	746.66131	705.3045637	1088.974484			
743.3422325	0.55081888	0.003511869	1	COL27A1	9	
114155560	114312511	+	13988	protein_coding		
collagen type XXVII alpha 1 chain [Source:HGNC						
Symbol;Acc:HGNC:22986]	-	1290	992	1250	706	616
764	4.458977728	3.090399652	4.171578545			
2.804536658	2.706901475	2.539620085				
ENSG00000146826	632.9012026	425.4717627	531.2604928			
276.619358	232.7256031	401.580478	529.8778194			
303.6418131	0.800585769	0.003514334	1	C7orf43	7	
100154420	100158715	-	3255	protein_coding		
chromosome 7 open reading frame 43 [Source:HGNC						
Symbol;Acc:HGNC:25604]	-	658	489	571	251	192
435	9.774085127	6.546609916	8.189005281			
4.284841605	3.625747832	6.213971859				
ENSG00000157106	3675.251512	2834.738247	2978.222132			
2567.821132	2185.438867	2360.554672	3162.737297			
2371.271557	0.415286764	0.003549739	0.073228322			SMG1
16	18804853	18926454	-	25988		
protein_coding	"SMG1, nonsense mediated mRNA decay associated PI3K					
related kinase	[Source:HGNC Symbol;Acc:HGNC:30045]"				-	3821
3258	3201	2330	1803	2557	7.108948959	
5.463070683	5.749880938	4.981901156	4.26452072			
4.574976716						
ENSG00000229751	25.97011014	7.830768638	7.443229322			0
0	0	13.74803603	0	6.122158721		
0.003555649	1	AC044781.1	10	13991815		
14007526	+	570	antisense	novel transcript		
-	27	9	8	0	0	
2.290288144	0.688059906	0.655180808	0	0	0	
ENSG00000257557	10.58041524	6.960683234	23.26009163			0
0	0	13.6003967	0	6.107072995		
0.0035635	1	PPP1R12A-AS1	12	79934901		
79942712	+	3234	bidirectional_promoter_lncRNA			
PPP1R12A antisense RNA 1	[Source:HGNC Symbol;Acc:HGNC:51903]				-	
11	8	25	0	0	0.164457577	
0.10779747	0.360866053	0	0	0		
ENSG00000171612	578.0754145	841.3725859	788.0519044			
1085.538118	1056.962114	1088.421572	735.8333016			
1076.973935	-0.549210855	0.003572517	1	SLC25A33		
1	9539482	9585179	+	3854	protein_coding	solute
carrier family 25 member 33	[Source:HGNC Symbol;Acc:HGNC:29681]				-	
601	967	847	985	872	1179	7.539872087
10.93385629	10.25930015	14.2015767	13.90759819			
14.22437237						
ENSG00000279123	7.694847448	13.92136647	18.6080733			0
0	0	13.40809574	0	6.087148953		
0.003587302	1	AC027281.2	16	70778433		
70779145	+	713	TEC	novel transcript		-
8	16	20	0	0	0	0.542502412

0.977887851	1.309442708	0	0	0	
ENSG00000173281	1328.323041	1632.280218	1144.396508		
1013.903623	807.2669359	1009.028649	1368.333256		
943.3997361	0.536076803	0.003604972	1	PPP1R3B	8
9136255	9151574	-	5776	protein_coding	protein
phosphatase 1 regulatory subunit 3B [Source:HGNC					
Symbol;Acc:HGNC:14942] -					
1093	11.56026289	1381	1876	1230	920 666
8.850599451	7.087521752	14.15351297	8.79881113	9.940860118	
ENSG00000173825	28.85567793	20.8820497	3.721614661		
1.102069155	0	0	17.81978076	0.367356385	
5.535327538	0.003619603	1	TIGD3	11	65354767
65357613	+	2012	protein_coding	tigger	
transposable element derived 3 [Source:HGNC Symbol;Acc:HGNC:18334]					
-	30	24	4	1	0 0
0.720932318	0.519806688	0.092806427	0.027617481	0	
0					
ENSG00000117419	2541.22337	2544.999807	2524.185144		
2802.561862	3361.188008	4117.353867	2536.802774		
3427.034579	-0.43428174	0.003651343	0.073349648	ERI3	
1	44221070	44355260	-	2785	
protein_coding ERI1 exoribonuclease family member 3 [Source:HGNC					
Symbol;Acc:HGNC:17276] -					
4460	45.86789718	45.76771903	45.47478245	2713	2543 2773
50.73798367	61.20290413	74.46302538			
ENSG00000253406	22.12268641	13.05128106	5.582421991	0	
0	0	13.58546316	0	6.105496578	
0.003655212	1	AC012613.2	5	149216523	
149276805	-	4533	antisense	"novel transcript,	
antisense to ABLIM3"					
0	0.245325862	0.144199627	0.061789057	6	0 0
0	0				
ENSG00000108829	6844.566805	6496.057628	7109.214406		
7620.80821	8700.543642	9621.31435	6816.612946		
8647.5554	-0.343365943	0.00366759	0.073349648	LRR59	
17	50375059	50397553	-	4570	
protein_coding leucine rich repeat containing 59 [Source:HGNC					
Symbol;Acc:HGNC:28817] -					
10422	75.2871671	71.19186714	78.05128104	7641	6915 7178
84.07909492	96.54607312	106.0390643			
ENSG00000111640	40654.76463	42664.6378	53496.34994		
57251.39055	68687.99207	52580.27059	45605.25079		
59506.55107	-0.383824811	0.003675473	0.073349648	GAPDH	
12	6533927	6538374	+	2981	protein_coding
glyceraldehyde-3-phosphate dehydrogenase [Source:HGNC					
Symbol;Acc:HGNC:4141] -					
56956	685.5524138	716.8079302	900.4027201	57498	51949 56668
968.3386345	1168.485344	888.3999459			
ENSG00000197479	38.47423724	15.66153728	22.32968796	0	
0	3.692694051	25.48848749	1.230898017		

4.284323969	0.003709825	1	PCDHB11	5	141199582
141203779	+	4198	protein_coding		protocadherin
beta 11 [Source:HGNC Symbol;Acc:HGNC:8682]		-			40 18
24	0	0	4	0.460700595	0.186848093
0.266879271	0	0	0	0.044304575	
ENSG00000178035	10281.27805	9224.645456	10273.51727		
10935.83223	13102.9363	13647.27404	9926.480258		
12562.01419	-0.33978165	0.003739736	0.073829632		IMPDH2
3	49024325	49029408	-	2773	
protein_coding	inosine monophosphate dehydrogenase 2 [Source:HGNC				
Symbol;Acc:HGNC:6053]	-	10689	10602	11042	9923 10810
14783	186.3753294	166.6082597	185.8848131		
198.840646	239.6200666	247.8812774			
ENSG00000112576	1393.729244	1136.331538	1277.444232		
1769.923064	1641.200347	1710.640519	1269.168338		
1707.254643	-0.428103206	0.00376302	1	CCND3	6
41934933	42050357	-	5802	protein_coding	
cyclin D3 [Source:HGNC Symbol;Acc:HGNC:1585]			-		1449
1306	1373	1606	1354	1853	12.07513174
9.808984544	11.04685996	15.38083312	14.3445953		
14.85007725					
ENSG00000166432	159.6680845	94.83930906	123.7436875		
28.65379804	72.72675098	19.38664377	126.0836937		
40.25573093	1.655634581	0.003769246	1	ZMAT1	X
101882288	101932031	-	7514	protein_coding	
zinc finger matrin-type 1 [Source:HGNC Symbol;Acc:HGNC:29377]					
-	166	109	133	26	60 21
1.068164435	0.632140921	0.826278564	0.192271184		
0.490825842	0.129950849				
ENSG00000108106	4112.895961	3884.061245	3929.094678		
4701.427017	4910.267804	5341.481945	3975.350628		
4984.392255	-0.32652083	0.003780678	0.07384388		UBE2S
19	55399745	55407777	-	2788	
protein_coding	ubiquitin conjugating enzyme E2 S [Source:HGNC				
Symbol;Acc:HGNC:17895]	-	4276	4464	4223	4266 4051
5786	74.15597402	69.77342055	70.70894343		
85.02372447	89.31344349	96.49763686			
ENSG00000228589	66.36805924	72.21708855	87.45794453		
234.7407301	210.9075778	98.77956586	75.34769744		
181.4759579	-1.266123894	0.003795949	1	SPCS2P4	1
28095742	28096422	-	681		
processed_pseudogene	signal peptidase complex subunit 2 pseudogene				
4 [Source:HGNC Symbol;Acc:HGNC:45237]			-	69	83 94
213	174	107	4.898952125	5.311162365	
6.443573363	17.37979042	15.70541789	7.3057984		
ENSG00000008083	941.6569564	762.1948141	585.2239054		
406.6635183	494.5419067	540.9796785	763.0252253		
480.7283678	0.665882056	0.003817552	1	JARID2	6
15246296	15522040	+	6015	protein_coding	
jumonji and AT-rich interaction domain containing 2					

[Source:HGNC Symbol;Acc:HGNC:6196]	ARID	979	876	629
369	408	586	7.869520601	6.346394607
4.881587178	3.408809866	4.169383963	4.529945765	
ENSG00000159199	857.0136345	797.8683157	970.4110228	
1223.296763	1199.991391	1203.818261	875.0976577	
1209.035471	-0.466478514	0.003823124	1	ATP5MC1 17
48892765	48895871	+	2615	protein_coding
ATP synthase membrane subunit c locus 1 [Source:HGNC				
Symbol;Acc:HGNC:841]	-	891	917	1043 1110 990
1304	16.47430975	15.28115709	18.61909857	
23.58649069	23.27077578	23.1865918		
ENSG00000172500	1525.503506	1693.186197	1690.54346	
2186.505204	2111.500003	2093.757527	1636.411054	
2130.587578	-0.380578914	0.003884763	1	FIBP 11
65883741	65888539	-	3353	protein_coding
FGF1 intracellular binding protein [Source:HGNC				
Symbol;Acc:HGNC:3705]	-	1586	1946	1817 1984 1742
2268	22.87024653	25.2911094	25.29690616	
32.87911794	31.93463505	31.45143859		
ENSG00000168439	11518.22477	10011.20266	10109.76623	
12484.23939	13010.81575	13647.27404	10546.39789	
13047.44306	-0.307088727	0.003904025	0.075231367	STIP1
11	64185272	64204543	+	4657
protein_coding stress induced phosphoprotein 1 [Source:HGNC				
Symbol;Acc:HGNC:11387]	-	11975	11506	10866 11328 10734
14783	124.3284446	107.6655416	108.920468	
135.1633808	141.6780965	147.6003397		
ENSG00000204387	366.4671097	442.0033854	532.1908965	
170.8207191	316.3613668	261.2581041	446.8871305	
249.4800633	0.841712834	0.00392774	1	C6orf48 6
31834608	31839766	+	1801	protein_coding
chromosome 6 open reading frame 48 [Source:HGNC				
Symbol;Acc:HGNC:19078]	-	381	508	572 155 261
283	10.22851248	12.29160505	14.82614871	
4.782225259	8.907875832	7.306404983		
ENSG00000178982	3928.219622	3312.415134	3357.826828	
3924.468262	4787.844439	5323.018474	3532.820528	
4678.443725	-0.405437637	0.003933666	0.075231367	EIF3K
19	38619082	38636955	+	2798
protein_coding eukaryotic translation initiation factor 3 subunit K				
[Source:HGNC Symbol;Acc:HGNC:24656]	-	4084	3807	3609
3561	3950	5766	70.57310732	59.29168114
60.21229875	70.71903196	86.77542426	95.82039262	
ENSG00000265692	0	36.54358698	14.88645864	0 0
0	17.14334854	0	6.442488849	0.003986497
1	LINC01970	17	82290046	82292814
-	1810	lincRNA	long intergenic non-protein coding RNA	
1970 [Source:HGNC Symbol;Acc:HGNC:52796]	-	0	42	
16	0	0	0	1.011181961
0.412655315	0	0	0	

ENSG00000182871	592.5032535	294.958952	413.0992273			
210.4952087	231.5134906	271.4130127	433.5204776			
237.8072373	0.864906389	0.00399759	1	COL18A1	21	
45405137	45513720	+	8525	protein_coding		
collagen type XVIII alpha 1 chain [Source:HGNC						
Symbol;Acc:HGNC:2195]	-	616	339	444	191	191
294	3.493715535	1.732861721	2.431277989			
1.244947459	1.377166151	1.603555371				
ENSG00000146083	1097.477617	1128.500769	1213.246379			
880.5532552	823.0243986	797.621915	1146.408255			
833.7331896	0.459670385	0.004047336	1	RNF44	5	
176526697	176538025	-	5660	protein_coding		
ring finger protein 44 [Source:HGNC Symbol;Acc:HGNC:19180]						
-	1141	1297	1304	799	679	864
9.746987963	9.985783424	10.75492029	7.844086818			
7.373958741	7.097874717					
ENSG00000263990	25.0082542	2.610256213	13.95605498			0
0	0	13.85818847	0	6.133409229		
0.004053622	1	AC004253.1	17	31873926		
31886666	+	488	lincRNA novel transcript			-
26	3	15	0	0	2.576052694	
0.267892176	1.434886247	0	0	0		
ENSG00000275481	14.42783896	26.10256213	1.86080733			0
0	0	14.13040281	0	6.163318933		
0.004053687	1	AC025031.4	12	46388856		
46392126	+	3271	lincRNA novel transcript			-
15	30	2	0	0	0.221723605	
0.399667937	0.028542729	0	0	0		
ENSG00000049130	468.4238384	476.8068015	370.3006587			
600.6276897	816.963836	628.6811622	438.5104329			
682.090896	-0.636538532	0.004054832	1	KITLG	12	
88492793	88580851	-	6205	protein_coding		
KIT ligand [Source:HGNC Symbol;Acc:HGNC:6343]						
548	398	545	674	681	3.794795631	487
3.848552102	2.994244925	4.880527454	6.67675547			
5.103126619						
ENSG00000173295	291.4423471	274.0769023	290.2859435			
159.8000275	163.6351897	161.5553647	285.2683977			
161.6635273	0.819306027	0.004087685	1	FAM86B3P		
8	8228595	8244865	+	4870		
transcribed_unprocessed_pseudogene "family with sequence						
similarity 86 member B3, pseudogene [Source:HGNC						
Symbol;Acc:HGNC:44371]"	-	303	315	312	145	135
175	3.008256639	2.818643761	2.99069186			
1.65444024	1.703931641	1.670860167				
ENSG00000196440	337.6114318	336.7230514	390.7695394			
217.1076236	231.5134906	170.7870999	355.0346742			
206.4694047	0.783873969	0.00410257	1	ARMCX4	X	
101418287	101533459	+	13351	protein_coding		
armadillo repeat containing X-linked 4 [Source:HGNC						

Symbol;Acc:HGNC:28615]	-	351	387	420	197	191
185	1.271143371	1.263152444	1.468525629			
0.819906773	0.879360455	0.644301215				
ENSG00000185105	45.20722875	19.14187889	15.81686231			
4.408276622	0	0	26.72198999	1.469425541		
4.198722121	0.00416481	1	MYADML2	17	81939645	
81947233	-	2452	protein_coding		myeloid	
associated differentiation marker like 2 [Source:HGNC						
Symbol;Acc:HGNC:34548]	-	47	22	17	4	0
0	0.926784173	0.390985645	0.323649165			
0.09064661	0	0				
ENSG00000272159	11.54227117	22.62222051	5.582421991			0
0	0	13.24897122	0	6.070412692		
0.004185483	1	AC087623.3	8	38408048		
38408742	-	695	antisense	"novel transcript,		
antisense to LETM2"	-	12	26	6	0	0
0	0.834829252	1.630223469	0.4030069			0
0	0					
ENSG00000105131	16.35155083	13.05128106	9.304036652			0
0	0	12.90228951	0	6.031285479		
0.004216457	1	EPHX3	19	15226919	15233435	
-	2034	protein_coding	epoxide	hydrolase	3	
[Source:HGNC Symbol;Acc:HGNC:23760]						
0	0	0	0.40410962	0.321365246		10
0.229506551	0	0	0			
ENSG00000148082	1709.217989	1728.859698	1746.36768			
1287.216774	1334.53588	1339.524767	1728.148456			
1320.425807	0.388192492	0.00423049	1	SHC3	9	
89005771	89178767	-	9929	protein_coding		
SHC adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:18181]						
-	1777	1987	1877	1168	1101	1451
8.65332736	8.720692119	8.8247985	6.536561862			
6.815993514	6.795054117					
ENSG00000123908	4613.061045	3506.444179	4270.552823			
3533.233712	2770.889212	3000.313916	4130.019349			
3101.478947	0.413032662	0.004243448	0.080319286			AG02
8	140520156	140635619	-	15833		
protein_coding "argonaute 2, RISC catalytic component [Source:HGNC						
Symbol;Acc:HGNC:3263]"	-	4796	4030	4590	3206	2286
3250	14.64593759	11.09175919	13.53304449			
11.25154988	8.874836779	9.544455717				
ENSG00000253661	25.97011014	0.870085404	16.74726597			0
0	0	14.52915384	0	6.201625326		
0.00432605	1	ZFH4-AS1	8	76491200		
76683278	-	2251	antisense	ZFH4 antisense	RNA	1
[Source:HGNC Symbol;Acc:HGNC:44165]						
0	0	0	0.579948575	0.019359008		18
0.373287155	0	0	0			
ENSG0000025770	877.212609	1078.905901	1197.429517			
1332.401609	1581.806834	1495.541091	1051.182676			

1469.916511	-0.483490039	0.004422677	1	NCAPH2	22	
50508216	50523472	+	3159	protein_coding		
non-SMC condensin II complex subunit H2 [Source:HGNC						
Symbol;Acc:HGNC:25071]	-	912	1240	1287	1209	1305
1620	13.95874678	17.10529849	19.01844289			
21.26614245	25.39266283	23.84494949				
ENSG00000089159	3252.034903	3184.51258	3127.086719			
2665.905287	2423.01292	2480.567229	3187.878067			
2523.161812	0.337328885	0.00448682	0.084059205			PXN
12	120210439	120265771	-	7460		
protein_coding	paxillin [Source:HGNC Symbol;Acc:HGNC:9718]				-	
3381	3660	3361	2419	1999	2687	21.91328867
21.37966302	21.03176502	18.0181038	16.47105157			
16.74788064						
ENSG00000112343	419.3691859	550.7640609	512.6524195			
328.4166083	270.3010911	327.726597	494.2618888			
308.8147655	0.677900344	0.004502823	1	TRIM38	6	
25962802	25991226	+	9413	protein_coding		
tripartite motif containing 38 [Source:HGNC						
Symbol;Acc:HGNC:10059]	-	436	633	551	298	223
355	2.239544246	2.93044955	2.732559178			
1.759139373	1.456210521	1.753603132				
ENSG00000166436	509.7836434	281.907671	457.7586033			
254.5779749	184.2411025	253.872716	416.4833059			
230.8972645	0.849256149	0.004511457	1	TRIM66	11	
8612037	8682694	-	11752	protein_coding	tripartite	
motif containing 66 [Source:HGNC Symbol;Acc:HGNC:29005]						
324	492	231	152	275	2.180546253	530
1.201411612	1.954336557	1.092225322	0.795022034			
1.088057706						
ENSG00000272004	0	0	0	0	31.51492542	
14.7707762	0	15.42856721	-6.509152191	0.004519627		
1	F0704657.1	1	1659325	1662602	+	400
antisense "novel transcript, antisense to SLC35E2B"						
-	0	0	0	26	16	0
0	0	0	3.995404154	1.85990606		
ENSG00000275479	15.3896949	19.14187889	4.652018326	0		
0	0	13.06119737	0	6.04943207		
0.004525433	1	AC087741.2	17	80149627		
80149798	+	172	lincRNA novel transcript			-
16	22	5	0	0	4.497723488	
5.573818615	1.357024202	0	0	0		
ENSG00000258727	12.5041271	25.23247672	2.791210996	0		
0	0	13.50927161	0	6.098559872		
0.004526117	1	AL135999.1	14	23561097		
23568073	+	3243	antisense	uncharacterized		
LOC102724814 [Source:NCBI gene;Acc:102724814]						
3	0	0	0	0.193819567	0.389681373	
0.043183749	0	0	0			
ENSG00000061337	106.7660083	100.9299069	162.8206414			

229.2303843	208.4833528	300.9545651	123.5055189			
246.2227674	-0.99694559	0.004588857	1	LZTS1	8	
20246165	20303963	-	5706	protein_coding		
leucine zipper tumor suppressor 1 [Source:HGNC						
Symbol;Acc:HGNC:13861]	-	111	116	175	208	172
326	0.940572827	0.885900241	1.431700963			
2.025553	1.852866118	2.656543005				
ENSG00000279700	45.20722875	26.10256213	22.32968796			
6.612414933	0	0	31.21315962	2.204138311		
3.835021449	0.004615648	1	AC131212.2	12		
132565071	132566425	+	1355	TEC	novel	
transcript	-	47	30	24	6	0
1.677103168	0.964807248	0.826833344	0.246050357			
0	0					
ENSG00000135047	873.3651853	1047.582827	1183.473462			
753.8153023	675.1466716	739.4619837	1034.807158			
722.8079859	0.517478047	0.004625818	1	CTSL	9	
87725519	87731393	+	2366	protein_coding		
cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]						
1204	1272	684	557	801	18.55548561	908
22.17534291	25.0968033	16.06398926	14.47064253			
15.74159715						
ENSG00000133318	3124.108064	3124.476687	3238.735159			
4514.075261	4067.849605	3575.451015	3162.43997			
4052.458627	-0.357541903	0.004687334	0.08596425			RTN3
11	63681446	63759891	+	5792		
protein_coding	reticulon 3 [Source:HGNC Symbol;Acc:HGNC:10469]					
3248	3591	3481	4096	3356	3873	27.11369359
27.01751801	28.05572564	39.29555603	35.61564052			
31.09209328						
ENSG00000198830	4953.558044	5308.391051	5309.813717			
8574.098029	6821.769242	5467.033542	5190.587604			
6954.300271	-0.421835476	0.004725285	0.08596425			HMGN2
1	26472450	26475972	+	2509		
protein_coding	high mobility group nucleosomal binding domain 2					
[Source:HGNC Symbol;Acc:HGNC:4986]	-		5150	6101	5707	
7780	5628	5922	99.24480533	105.9641507		
106.1825735	172.3022622	137.8798454	109.7485421			
ENSG00000166741	911.8394225	909.2392474	896.9091332			
1226.60297	1189.082378	1242.591548	905.9959344			
1219.425632	-0.428771267	0.004733257	1	NNMT	11	
114257787	114313285	+	2919	protein_coding		
nicotinamide N-methyltransferase [Source:HGNC						
Symbol;Acc:HGNC:7861]	-	948	1045	964	1113	981
1346	15.70274069	15.60058174	15.41661315			
21.18717789	20.65771458	21.44084924				
ENSG00000169710	12414.6745	9642.28645	14383.11026			
19804.18272	17164.72534	13015.82336	12146.6904			
16661.57714	-0.455924246	0.004752846	0.08596425			FASN
17	82078333	82098332	-	9364		

protein_coding	fatty acid synthase [Source:HGNC Symbol;Acc:HGNC:3594]					
-	12907	11082	15459	17970	14161	14099
66.64462392	51.57216204		77.06656959		106.6347403	
92.95652454	70.00965277					
ENSG00000100201	6747.419356		6681.385819		6930.576902	
5740.678231	5312.689159		5570.428976		6786.460692	
5541.265455	0.292375798		0.004775792		0.08596425	DDX17
22	38483440		38507660		-	9995
protein_coding	DEAD-box helicase 17 [Source:HGNC					
Symbol;Acc:HGNC:2740]	-		7015	7679	7449	5209
6034	33.93486247		33.4796159		34.79054336	4383
28.95900278	26.95479495		28.07071827			
ENSG00000156471	3570.409216		3194.953604		3095.452994	
4174.637961	4126.031006		4085.042794		3286.938605	
4128.570587	-0.3289417		0.004853787		0.086519931	PTDSS1
8	96261715		96336995		+	6295
protein_coding	phosphatidylserine synthase 1 [Source:HGNC					
Symbol;Acc:HGNC:9587]	-		3712	3672	3327	3788
4425	28.51106562		25.41941408		24.67192875	3404
33.43692103	33.23848168		32.68500522			
ENSG00000279861	32.70310165		1.740170808		7.443229322	0
0	0	13.96216726	0		6.143979455	
0.004898636	1	AC073548.1	19		47487638	
47489519	-	1882	TEC	TEC	-	34
8	0	0	0	0.873495183		0.046309381
0.198434145	0	0	0			
ENSG00000169064	0	0	0.930403665		16.53103733	
4.848450065	24.00251133		0.310134555			
15.12733291	-5.523408875		0.00493754		1	ZBBX
167240287	167381346		-		3972	protein_coding
zinc finger B-box domain containing	[Source:HGNC					
Symbol;Acc:HGNC:26245]	-		0	0	1	15
26	0	0	0.011752677		0.209842795	4
0.061901064	0.304365292					
ENSG00000073605	93.3000253		100.0598215		78.15390788	
42.98069706	27.87858788		15.69394972		90.50458489	
28.85107822	1.654522029		0.005001625		1	GSDMB
39904595	39919854		-		5905	protein_coding
gasdermin B [Source:HGNC Symbol;Acc:HGNC:23690]	-					97
115	84	39	23	17	0.794242365	
0.848665478	0.664057093		0.366992128		0.239417171	
0.133862841						
ENSG00000005483	1462.982871		1350.372547		1497.019497	
1218.888486	802.4184858		1016.414038		1436.791639	
1012.57367	0.504290512		0.005018109		1	KMT2E
105014179	105114361		+		9231	protein_coding
lysine methyltransferase 2E [Source:HGNC						
Symbol;Acc:HGNC:18541]	-		1521	1552	1609	1106
1101	7.966758999		7.326584514		8.136794148	662
6.657611056	4.40815238		5.545868736			

ENSG00000100519	1456.249879		1567.893898		1615.180763		
2117.074848	1964.834389		1946.972938		1546.441514		
2009.627392	-0.37785447		0.005034207		1	PSMC6	14
52707172	52728587		+		7482	protein_coding	
"proteasome 26S subunit, ATPase 6 [Source:HGNC							
Symbol;Acc:HGNC:9553]"	-		1514	1802	1736	1921	1621
2109	9.783841035		10.4953199		10.83123685		
14.26664007	13.31719231		13.10659543				
ENSG00000187889	0	0	0	29.7558672		15.75746271	
0	0	15.17110997		-6.484202447		0.005035202	
1	FYB2	1	56718804		56819696		-
4633	protein_coding	FYN binding protein 2 [Source:HGNC					
Symbol;Acc:HGNC:27295]"	-		0	0	0	27	13
0	0	0	0	0.323827336		0.172475897	
0							
ENSG00000169045	5750.936611		4864.647495		5846.656632		
4884.370497	3818.154426		3976.108319		5487.413579		
4226.211081	0.376705106		0.005084654		0.089763698		
HNRNPH1 5	179614178		179634784		-	9480	
protein_coding	heterogeneous nuclear ribonucleoprotein H1						
[Source:HGNC Symbol;Acc:HGNC:5041]"	-				5979	5591	6284
4432	3150	4307	30.49449408		25.7003923		
30.94381635	25.97786515		20.42441267		21.12504061		
ENSG00000101412	1092.668338		1232.911018		1467.24658		
1660.818217	1567.261484		2049.445198		1264.275312		
1759.174966	-0.477082771		0.005112013		1	E2F1	20
33675683	33686404		-		2503	protein_coding	
E2F transcription factor 1 [Source:HGNC							
Symbol;Acc:HGNC:3113]"							
E2F	1136	1417	1577	1507	1293	2220	
21.94414672	24.66991189		29.41148004		33.45526285		
31.75301989	41.24042602						
ENSG00000105254	1902.551031		1850.671655		1751.950102		
2323.16178	2282.407868		2439.947594		1835.057596		
2348.505747	-0.35610937		0.005131426		1	TBCB	19
36114289	36125947		+		3326	protein_coding	
tubulin folding cofactor B [Source:HGNC							
Symbol;Acc:HGNC:1989]"							
-	1978	2127	1883	2108	1883	2643	
28.75446283	27.86787429		26.42859714		35.21765262		
34.79969482	36.94927628						
ENSG00000237149	60.59692365		65.25640532		41.86816493		
147.6772668	115.150689		135.7065064		55.90716463		
132.8448207	-1.248677923		0.005153159		1	ZNF503-AS2	
10	75401519		75408982		+	3348	
antisense	ZNF503 antisense RNA 2 [Source:HGNC						
Symbol;Acc:HGNC:23525]"	-		63	75	45	134	95
147	0.909821754		0.976190129		0.627441298		
2.223982639	1.744156763		2.041563552				
ENSG00000172428	338.5732877		406.3298838		347.0405671		
544.4221628	621.8137209		508.6686055		363.9812462		
558.3014964	-0.616129557		0.005188028		1	COPS9	2

240126563	240136807	-	2039	protein_coding		
COP9 signalosome subunit 9 [Source:HGNC Symbol;Acc:HGNC:21314]						
-	352	467	373	494	513	551
8.346927748	9.980636819	8.539602228	13.46237757			
15.46491365	12.56508385					
ENSG00000130881	771.4084566	789.1674616	998.3231327			
1184.724342	1506.655858	1033.031161	852.9663503			
1241.470454	-0.540748621	0.005196236	1	LRP3	19	
33177603	33208867	+	5095	protein_coding		
LDL receptor related protein 3 [Source:HGNC Symbol;Acc:HGNC:6695]						
-	802	907	1073	1075	1243	
1119	7.610819048	7.757498432	9.83108768			
11.72401376	14.99596094	10.21214368				
ENSG00000177971	750.2476261	844.8529275	802.0079594			
855.2056646	1410.898969	1284.134356	799.036171			
1183.412997	-0.566432635	0.005202692	1	IMP3	15	
75639085	75648706	-	2565	protein_coding		
"IMP3, U3 small nucleolar ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:14497]"						
-	780	971	862	776	1164	
1391	14.70308438	16.4964486	15.68794045			
16.81072313	27.89413966	25.21568547				
ENSG00000262943	37.51238131	5.220512425	7.443229322		0	
1.212112516	0	16.72537435	0.404037505			
5.442723096	0.005252442	1	ALOX12P2	17		
6853861	6954107	+	5655	transcribed_unprocessed_pseudogene		
arachidonate 12-lipoxygenase pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:432]						
-	39	6	8	0	1	
0	0.333451914	0.046235679	0.066039445	0		
0.01086963	0					
ENSG00000184661	151.9732371	250.5845964	199.1063844			
520.1766414	418.1788181	227.1006841	200.5547393			
388.4853812	-0.951984079	0.005266297	1	CDCA2	8	
25458997	25507920	+	3908	protein_coding		
cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]						
-	158	288	214	472	345	
246	1.954806383	3.211415731	2.556261353			
6.711189273	5.426401202	2.926924839				
ENSG00000105835	7220.652474	10427.97357	7340.884918			
6087.830015	6427.832674	6427.133996	8329.836987			
6314.265561	0.399742559	0.00530892	0.092830263		NAMPT	
7	106248285	106286326	-	9049		
protein_coding nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:30092]						
-	7507	11985	7890	5524	5303	
6962	40.11132831	57.7159765	40.70262801			
33.92072495	36.02204788	35.77374845				
ENSG00000122432	34.62681351	7.830768638	53.96341258			
1.102069155	0	6.462214589	32.14033158	2.521427915		
3.620732227	0.005385611	1	SPATA1	1		
84506300	84566194	+	4280	protein_coding		
spermatogenesis associated 1 [Source:HGNC Symbol;Acc:HGNC:14682]						

-	36	9	58	1	0	7	
0.40668668	0.091634146		0.632601563		0.012982797		0
0.076047561							
ENSG0000011332	73.10105075		95.70939447		140.4909534		
173.0248574	212.1196904		264.0276246		103.1004662		
216.3907241	-1.070269504		0.005394512		1	DPF1	19
38211006		38229714	-		4800	protein_coding	
double PHD fingers 1 [Source:HGNC Symbol;Acc:HGNC:20225]							
-	76	110	151	157	175	286	
0.765550019	0.998642502		1.468526357		1.817483424		
2.241011946	2.770485069						
ENSG00000280388	5.771135586		10.44102485		21.3992843		0
0	0	12.53714825	0		5.990104713		
0.005432149	1	AC006330.1	7		76043977		
76045963	-	1987	TEC	TEC	-	6	12
23	0	0	0	0.146000586	0.263173391		
0.540351056	0	0	0				
ENSG00000265511	21.16083048		24.36239132		64.1978529		
8.816553243	0	0	36.57369157		2.938851081		
3.64660045	0.005441768		1	AC020558.2	17		
17507351	17508308		+	795	antisense		novel
transcript	-	22	28	69	8	0	0
1.338002019	1.534791907		4.051613392		0.559158462		
0	0						
ENSG00000137959	612.702228		1121.540086		833.641684		
501.4414657	527.2689446		606.5249979		855.9613327		
545.0784694	0.650952804		0.005462078		1	IFI44L	1
78619922	78646145		+		10240	protein_coding	
interferon induced protein 44 like [Source:HGNC							
Symbol;Acc:HGNC:17817]	-	637	1289		896	455	435
657	3.007742775		5.485441129		4.084642849		
2.469013609	2.611179097		2.983296585				
ENSG00000202078	21.16083048		1.740170808		16.74726597		0
0	0	13.21608909	0		6.065027297		
0.005469012	1	RF00019	1		160326104		160326216
-	113	misc_RNA			-	22	2
18	0	0	0	9.413377034	0.77127659		
7.436012265	0	0	0				
ENSG00000285744	69.25362703		75.69743017		40.93776127		
5.510345777	0	23.07933782	61.96293949		9.529894532		
2.675844734	0.005477744		1	AC083837.2	8		
78805293	78956082		+		2921		
bidirectional_promoter_lncRNA		novel transcript			-		72
87	44	5	0	25	1.191796638		
1.297915125	0.703181045		0.095115324		0	0.397960044	
ENSG00000128585	1525.503506		1203.328114		1321.173205		
1044.761559	869.0846742		1020.106732		1350.001608		
977.9843217	0.464410398		0.005606722		1	MKLN1	7
131110096	131496636		+		12878	protein_coding	
muskelin 1 [Source:HGNC Symbol;Acc:HGNC:7109]					-		1586

	1383	1420	948	717	1105	5.95464642		
	4.679854568	5.147376784		4.090458212		3.422300141		
	3.989742577							
	ENSG00000180998	22.12268641		20.8820497		40.93776127		
	85.96139412	90.90843872		78.46974858		27.98083246		
	85.11319381	-1.605024149		0.00565584		1	GPR137C	14
	52553148	52637713		+		6193	protein_coding	
	G protein-coupled receptor 137C [Source:HGNC							
	Symbol;Acc:HGNC:25445]	-		23	24	44	78	75
	85	0.179567598		0.168876321		0.331663464		
	0.699850966	0.744402021		0.638188338				
	ENSG00000271122	1187.892075		1108.488805		1020.652821		
	718.5490893	892.114812		774.5425772		1105.6779		
	795.0688262	0.476237426		0.005657311		1	AC018647.2	
	7	35695214		35699413		+	4200	
	antisense uncharacterized LOC101930085 [Source:NCBI							
	gene;Acc:101930085]	-		1235	1274	1097	652	736
	839	14.21735749		13.2183953		12.19279784		
	8.62601778	10.77149252		9.288459431				
	ENSG00000261783	39.43609317		20.0119643		1.86080733		0
	1.212112516	0.923173513		20.43628827		0.71176201		
	4.846562116	0.005695101		1		AC009054.2		16
	75379818	75381260		-		374	sense_intronic	
	"novel transcript, sense intronic to CFDP1"							
	23	2	0	1	1	5.300458896		41
	2.679876816	0.249634399		0	0.164352289	0.124325271		
	ENSG00000233968	7.694847448		5.220512425		7.443229322		
	66.12414933	32.72703794		20.30981728		6.786196398		
	39.72033485	-2.54964773		0.005719731		1	AL157895.1	
	10	19710328		19728550		-	2151	
	antisense uncharacterized LOC101928834 [Source:NCBI							
	gene;Acc:101928834]	-		8	6	8	60	27
	22	0.1798253		0.121554051		0.173618345		
	1.549968541	0.771561794		0.475568728				
	ENSG00000285531	43.28351689		21.75213511		37.21614661		
	4.408276622	4.848450065		6.462214589		34.08393287		
	5.239647092	2.694829658		0.005756959		1	Z83840.1	
	22	41676745		41677125		-	381	
	processed_pseudogene "LLP homolog, long-term synaptic facilitation							
	(LLPH) pseudogene"	-		45	25	40	4	4
	7	5.710692223		2.859391559		4.900958798		
	0.583373986	0.645330774		0.85428756				
	ENSG00000198498	800.2641345		823.1007924		834.5720877		
	613.8525196	590.2987954		540.0565049		819.3123382		
	581.4026067	0.495410933		0.005776788		1	TMA16	4
	163494442	163520539		+		3513	protein_coding	
	translation machinery associated 16 homolog [Source:HGNC							
	Symbol;Acc:HGNC:25638]	-		832	946	897	557	487
	585	11.45107853		11.73468901		11.91956288		
	8.810267383	8.52114924		7.742990643				

ENSG00000099341	5989.476882	6030.561937	5749.894651		
6469.145942	7999.942608	7777.736845	5923.311157		
7415.608465	-0.324155876	0.005801891	0.100493139	PSMD8	
19	38374536	38383824	+ 3105		
protein_coding	"proteasome 26S subunit, non-ATPase 8 [Source:HGNC				
Symbol;Acc:HGNC:9566]"	-	6227 6931	6180 5870	6600	
8425	96.96577607	97.27313033	92.91223484		
105.0481819	130.6561002	126.1651252			
ENSG00000258857	8.656703379	16.53162268	11.16484398	0	
0	0	12.11772335	0	5.941419334	
0.005828868	1	AL359397.1	14	50397013	
50398345	+	501	lincRNA novel transcript	-	
9	19	12	0	0	0.86857235
1.652625588	1.118122935	0	0	0	
ENSG00000214460	0	0	0	23.03013781	
20.30981728	0	14.4466517	-6.415718597	0.005835549	
1	TPT1P6	6	85427453	85427966	-
514	processed_pseudogene	"tumor protein,			
translationally-controlled	1	pseudogene	6	[Source:HGNC	
Symbol;Acc:HGNC:49297]"	-	0	0	0	0 19
22	0	0	0	2.272154413	
1.990171854					
ENSG00000183160	600.1981009	587.3076479	695.9419416		
1182.520204	1107.87084	644.3751119	627.8158968		
978.2553852	-0.638951596	0.005840341	1	TMEM119	12
108589846	108598320	-	3189	protein_coding	
transmembrane protein	119	[Source:HGNC	Symbol;Acc:HGNC:27884]"		
-	624	675	748	1073	914 698
9.460874617	9.223756966	10.94947041	18.69636794		
17.6172873	10.17728465				
ENSG00000221978	3343.411216	2565.881857	3650.903982		
2152.341061	2364.831519	2603.349306	3186.732352		
2373.507295	0.424730038	0.005859761	0.100546933	CCNL2	
1	1385711	1399328	-	6850	protein_coding cyclin
L2 [Source:HGNC	Symbol;Acc:HGNC:20570]"	-	3476	2949	3924
1953	1951	2820	24.53524578	18.76043045	
26.74141988	15.84249999	17.50709378	19.14209887		
ENSG00000221038	0	0	0	15.42896818	0
27.69520538	0	14.37472452	-6.411549563	0.005928422	
1	RNU6ATAC7P	17	31563768	31563894	
-	127	snRNA	"RNA, U6atac small nuclear 7,		
pseudogene [Source:HGNC	Symbol;Acc:HGNC:46906]"	-	0	0	0
0	14	0	30	0	0
6.125426857	0	10.9836972			
ENSG00000104833	42.32166096	6.09059783	0	0	0
0	16.1374196	0	6.353272785	0.006055967	
1	TUBB4A	19	6494319	6502848	- 3466
protein_coding	tubulin beta 4A	class IVa	[Source:HGNC		
Symbol;Acc:HGNC:20774]"	-	44	7	0	0 0
0	0.61379781	0.088009201	0	0	0

0							
ENSG0000011304	10692.95238		8178.8028		10207.45861		
11710.58685	12496.88004		12388.98854		9693.071265		
12198.81848	-0.331775678		0.006118399		0.103132857		PTBP1
19	797075	812327	+	6883	protein_coding		
polypyrimidine tract binding protein 1 [Source:HGNC							
Symbol;Acc:HGNC:9583]	-		11117	9400	10971	10626	10310
13420	78.09281042		59.51256678		74.40711765		
85.783564	92.07214392		90.65792287				
ENSG00000164032	3447.291657		3553.428791		3964.450017		
5177.520892	4706.632901		4116.430693		3655.056822		
4666.861495	-0.352366501		0.006133078		0.103132857		H2AFZ
4	99948086		99950388		-	2303	
protein_coding H2A histone family member Z [Source:HGNC							
Symbol;Acc:HGNC:4741]	-		3584	4084	4261	4698	3883
4459	75.2445899		77.2770248		86.37014169		
113.352504	103.638427		90.0273678				
ENSG00000278389	26.93196607		24.36239132		7.443229322		
2.204138311	0	0	19.57919557		0.73471277		
4.756454953	0.006134389		1	AC099518.6	16		
19111035	19111484		-	450	lincRNA novel		
transcript							
	-	28	28	8	2	0	0
3.008477266	2.711465702		0.82989569		0.246961654		
0	0						
ENSG00000075624	148281.634		166537.8267		147335.0028		
204114.2283	180231.4343		177990.6228		154051.4878		
187445.4284	-0.283054059		0.006178984		0.103132857		ACTB
7	5527147	5563784	-	3519	protein_coding		actin
beta [Source:HGNC Symbol;Acc:HGNC:132]							
	-				154162	191404	158356
185210	148692	192803	2118.162552		2370.22918		
2100.686731	2924.537595		2597.261611		2547.566554		
ENSG00000243406	46.16908469		30.45298915		48.38099059		
2.204138311	0	12.92442918	41.66768814		5.04285583		
3.008856692	0.006193036		1	MRPS31P5		13	
52167709	52194465		-	3873			
transcribed_unprocessed_pseudogene mitochondrial ribosomal							
protein S31 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:39253]							
	48	35	52	2	0	14	0.599231944
0.393803113	0.626760881		0.028694228		0		
0.168078265							
ENSG00000213553	1211.938473		1377.345195		1709.151533		
1532.978195	2293.316881		2328.243599		1432.811734		
2051.512892	-0.517909272		0.006226033		1	RPLP0P6	2
38481851	38482804		+	954			
processed_pseudogene ribosomal protein lateral stalk subunit P0							
pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:36404]							
	1583	1837	1391	1892	2522	63.85918725	1260
72.30879728	89.88905556		81.01973138		121.9046067		
122.9214644							
ENSG00000277791	2629.714115		2291.804955		2237.620815		

2852.154974	2917.554827	3550.52533	2386.379962	
3106.745044	-0.381016197	0.006383332	0.104696918	PSMB3
17	38752736	38764231	+ 1179	
protein_coding	proteasome subunit beta 3 [Source:HGNC			
Symbol;Acc:HGNC:9540]	-	2734 2634	2405 2588	2407
3846	112.1207313	97.35551607	95.22419533	
121.9726643	125.490152	151.6793619		
ENSG00000171314	7043.670982	7791.614795	8487.142234	
9383.016789	9930.837846	9427.447912	7774.14267	
9580.434182	-0.301346569	0.00638674	0.104696918	PGAM1
10	97426160	97433441	+ 2568	
protein_coding	phosphoglycerate mutase 1 [Source:HGNC			
Symbol;Acc:HGNC:8888]	-	7323 8955	9122 8514	8193
10212	137.8780813	151.9599593	165.8215935	
184.2258929	196.1079933	184.9042123		
ENSG00000183929	0 0	0 20.93931395	21.81802529	
0	0 14.25244642	-6.393432747	0.00644628	
1	DUSP5P1 1	228650241	228651379	+
1139	processed_pseudogene	dual specificity phosphatase 5		
pseudogene 1 [Source:HGNC	Symbol;Acc:HGNC:32020]	-	0	
0	0 19 18	0 0	0 0	
0.92691929	0.971395621	0		
ENSG00000070950	1185.006507	1206.808456	1042.982509	
1556.121647	1471.504595	1509.388693	1144.93249	
1512.338312	-0.401513441	0.006558111	1 RAD18	3
8775402	8963773 -	6983	protein_coding "RAD18, E3	
ubiquitin protein ligase [Source:HGNC	Symbol;Acc:HGNC:18278]"	-		
1232	1387 1121 1412	1214 1635	8.530409548	
8.655517061	7.493929557	11.23581807	10.68621739	
10.88696265				
ENSG00000151914	6570.437864	4416.553512	6209.514061	
4948.290508	4012.092429	3785.934576	5732.168479	
4248.772504	0.432032642	0.006573207	0.106279634	DST
6	56457987	56954628	- 42341	
protein_coding	dystonin [Source:HGNC	Symbol;Acc:HGNC:1090]	-	
6831	5076 6674 4490	3310 4101	7.80053502	
5.224191645	7.358192194	5.892468557	4.8052307	
4.503598611				
ENSG00000167522	14917.42363	11150.14446	12300.86686	
9336.729885	9487.204665	11185.17028	12789.47832	
10003.03494	0.354374701	0.006599062	0.106279634	
ANKRD11 16	89267619	89490561	- 19538	
protein_coding	ankyrin repeat domain 11 [Source:HGNC			
Symbol;Acc:HGNC:21316]	-	15509 12815	13221 8472	7827
12116	38.37999441	28.58229538	31.58858962	
24.09449817	24.62422602	28.83435078		
ENSG00000160062	38.47423724	99.18973608	112.5788435	
271.1090122	175.7563149	148.6309355	83.41427227	
198.4987542	-1.249187189	0.006635559	1 ZBTB8A	1
32539427	32605939	+	7075	protein_coding

zinc finger and BTB domain containing 8A [Source:HGNC
Symbol;Acc:HGNC:24172] ZBTB 40 114 121 246 145
161 0.273359873 0.702161487 0.798371384
1.932060433 1.259763202 1.058109101
ENSG00000033050 592.5032535 677.7965299 668.9602353
824.3477283 837.5697488 1150.274197 646.4200062
937.3972246 -0.537001305 0.006642555 1 ABCF2 7
151212490 151227230 - 4177 protein_coding
ATP binding cassette subfamily F member 2 [Source:HGNC
Symbol;Acc:HGNC:71] - 616 779 719 748 691
1246 7.130458448 8.127024709 8.035454586
9.950597656 10.16859458 13.87025946
ENSG000000227436 25.97011014 0 19.53847697 0 0
0 15.16952903 0 6.264039799 0.006661033
1 FCF1P1 7 23619333 23622826 +
571 processed_pseudogene FCF1 pseudogene 1 [Source:HGNC
Symbol;Acc:HGNC:44613] - 27 0 21 0 0
0 2.286277132 0 1.716837625 0 0
0
ENSG000000271550 26.93196607 10.44102485 17.67766964 0
0 1.846347025 18.35022019 0.615449008
4.786427338 0.006705223 1 BNIP3P1 7
64678954 64687393 - 563 processed_pseudogene
BCL2 interacting protein 3 pseudogene 11 [Source:HGNC
Symbol;Acc:HGNC:49724] - 28 12 19 0 0
2 2.404644351 0.928819766 1.575401454 0
0 0.165178158
ENSG000000106086 796.4167108 736.9623374 674.5426573
598.4235514 455.7543061 436.6610715 735.9739018
496.9463097 0.566900983 0.006706638 1 PLEKHA8 7
30027404 30130483 + 10886 protein_coding
pleckstrin homology domain containing A8 [Source:HGNC
Symbol;Acc:HGNC:30037] - 828 847 725 543 376
473 3.677589267 3.390577519 3.108964138
2.771682905 2.123082522 2.020337053
ENSG000000120437 516.5166349 421.1213357 529.3996855
873.9408402 938.1750876 516.0539936 489.012552
776.0566405 -0.665327036 0.006748619 1 ACAT2 6
159760328 159779055 + 4299 protein_coding
acetyl-CoA acetyltransferase 2 [Source:HGNC
Symbol;Acc:HGNC:94] - 537 484 569 793 774
559 6.03959834 4.906101335 6.178611055
10.24985651 11.06676979 6.046100765
ENSG000000224543 3.847423724 10.44102485 42.7985686
1.102069155 0 0.923173513 19.02900572 0.675080889
4.777728422 0.006748754 1 SNRPGP15 19
14489388 14489609 + 222
processed_pseudogene small nuclear ribonucleoprotein polypeptide G
pseudogene 15 [Source:HGNC Symbol;Acc:HGNC:49371] - 4
12 46 1 0 1 0.871180676

2.355520398	9.67277071	0.250298974	0	0.209448881		
ENSG00000106399	719.4682363	875.3059167	906.2131699			
1272.889875	1164.840128	1039.493375	833.662441			
1159.074459	-0.474889141	0.006752474	1	RPA3	7	
7636518	7718607	-	3232	protein_coding	replication	
protein A3 [Source:HGNC Symbol;Acc:HGNC:10291]	-	748	1006			
974	1155	961	1126	11.19003545	13.56392021	
14.06804149	19.85741333	18.27676786	16.19936745			
ENSG00000203588	13.46598303	11.31111026	10.23444032	0		
0	0	11.6705112	0	5.886540439		
0.00681291	1	IGBP1-AS1	X	70163842		
70165206	-	542	antisense	IGBP1 antisense RNA	1	
[Source:HGNC Symbol;Acc:HGNC:40295]	-	14	13	11		
0	0	0	1.248906614	1.045207852		
0.947413207	0	0	0			
ENSG00000134057	841.6239396	912.7195891	988.0886924			
1471.262322	1138.173653	1177.046229	914.1440737			
1262.160735	-0.465318828	0.006845881	1	CCNB1	5	
69167010	69178245	+	2558	protein_coding		
cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579]	-	875				
1049	1062	1335	939	1275	16.53898028	
17.87037005	19.3807247	28.99965086	22.56380887			
23.17611637						
ENSG00000002822	3147.192606	2797.324575	2897.277013			
3157.42813	3799.972739	4926.977037	2947.264731			
3961.459302	-0.427027694	0.006885752	0.109932521	MAD1L1		
7	1815793	2233243	-	7230	protein_coding	
mitotic arrest deficient 1 like 1 [Source:HGNC Symbol;Acc:HGNC:6762]	-	3272	3215	3114	2865	3135
						5337
21.88145587	19.3776576	20.10603095	22.01903961			
26.65303122	34.32337013					
ENSG00000138629	2002.584048	1528.740055	1752.880505			
1919.804469	2584.223885	2721.515516	1761.401536			
2408.514623	-0.451737643	0.006933665	1	UBL7	15	
74445977	74461182	-	1885	protein_coding		
ubiquitin like 7 [Source:HGNC Symbol;Acc:HGNC:28221]	-					
2082	1757	1884	1742	2132	2948	53.40360649
40.6180439	46.65686776	51.35099224	69.52215186			
72.71887354						
ENSG00000134278	1061.888948	1024.090521	839.224106			
731.7739192	635.1469585	714.5362989	975.0678582			
693.8190589	0.490528195	0.006936551	1	SPIRE1	18	
12446512	12658134	-	6532	protein_coding		
spire type actin nucleation factor 1 [Source:HGNC Symbol;Acc:HGNC:30622]	-	1104	1177	902	664	524
774	8.17192014	7.852155373	6.446238911			
5.648510585	4.930971258	5.509672728				
ENSG00000100739	18.27526269	9.570939447	25.12089896			
37.47035128	135.7566018	42.46598159	17.65570036			
71.8976449	-2.024707017	0.006942041	1	BDKRB1	14	

96255824	96268967	+	2758	protein_coding			
bradykinin receptor B1 [Source:HGNC Symbol;Acc:HGNC:1029]							
-	19	11	27	34	112	46	
0.333089203	0.173802901	0.456999303	0.685009665				
2.496152537	0.775522831						
ENSG00000102977	1246.565287	1271.194776	1119.275609				
1528.569919	1656.95781	1584.165748	1212.345224				
1589.897825	-0.390974429	0.006945586	1	ACD	16		
67657512	67660815	-	3223	protein_coding			
"ACD, shelterin complex subunit and telomerase recruitment factor [Source:HGNC Symbol;Acc:HGNC:25070]"							
1203	1387	1367	1716	19.44222266	19.75370247		
17.42414023	23.91267708	26.07087271	24.75642878				
ENSG00000267672	10.58041524	13.05128106	11.16484398	0			
0	0	11.59884676	0	5.877940186			
0.006999542	1	AC010632.2	19	37091341			
37092564	+	1224	sense_intronic	novel transcript			
-	11	15	12	0	0		
0.434522714	0.534033423	0.457663064	0	0	0		
ENSG00000163479	4789.08068	5356.245749	5374.01157				
5934.642402	6858.132617	6427.133996	5173.112666				
6406.636338	-0.3084335	0.007013043	0.110999536	SSR2			
1	156009048	156020959	-	6651			
protein_coding signal sequence receptor subunit 2 [Source:HGNC Symbol;Acc:HGNC:11324]							
6962	36.19565124	40.33390407	40.540236	5776	5385	5658	
44.98946238	52.29056754	48.67187637					
ENSG00000204681	266.4340929	274.0769023	277.2602922				
195.0662405	103.0295639	141.2455474	272.5904291				
146.4471173	0.895340856	0.007026294	1	GABBR1	6		
29555629	29633976	-	8470	protein_coding			
gamma-aminobutyric acid type B receptor subunit 1 [Source:HGNC Symbol;Acc:HGNC:4070]							
153	1.581239211	1.620636968	1.642399823	298	177	85	
1.16118629	0.616854696	0.839922158					
ENSG00000198133	20.19897455	20.0119643	23.26009163				
58.40966524	58.18140078	88.62465722	21.15701016				
68.40524108	-1.694913314	0.007047309	1	TMEM229B			
14	67447084	67533739	-	6377			
protein_coding transmembrane protein 229B [Source:HGNC Symbol;Acc:HGNC:20130]							
96	0.159222374	0.157170132	0.183007811	25	53	48	
0.461818681	0.462670895	0.699980327					
ENSG00000237452	0	0	0	27.87858788			
13.84760269	0	13.90873019	-6.359628595	0.00704843			
1	BHMG1	19	45733251	45764534	+		
2749	protein_coding basic helix-loop-helix and HMG-box containing 1 [Source:HGNC Symbol;Acc:HGNC:44318]					HMG	0
0	0	0	23	15	0	0	
0	0.514280972	0.253715814					

ENSG00000236829	32.70310165	33.06324536	35.35533928			
84.85932497	129.6960392	66.46849292	33.70722876			
93.67461904	-1.472274875	0.007058427	1	Z97634.1		
16	382097	392960	+	2291		
transcribed_processed_pseudogene				uncharacterized LOC100134368		
[Source:NCBI gene;Acc:100134368]				-	34	38 38
77	107	72	0.717554751	0.722798271		
0.774291592	1.8675734	2.870820565	1.461296773			
ENSG0000005379	292.404203	304.5298915	387.9783284			
145.4731285	219.3923655	200.3286523	328.304141			
188.3980487	0.801477325	0.007091498	1	TSP0AP1 17		
58301228	58328760	-	11354	protein_coding		
TSP0 associated protein 1 [Source:HGNC				Symbol;Acc:HGNC:16831]		
-	304	350	417	132	181	217
1.294571108	1.343314653	1.71448307	0.646006793			
0.979889367	0.888672748					
ENSG0000049541	879.1363209	1164.174271	1089.502692			
1483.385083	1436.353332	1341.371114	1044.271095			
1420.369843	-0.443295745	0.007099143	1	RFC2 7		
74231499	74254458	-	2211	protein_coding		
replication factor C subunit 2 [Source:HGNC				Symbol;Acc:HGNC:9970]		
-	914	1338	1171	1346	1185	
1453	19.98750888	26.37096174	24.72374117			
33.82737991	32.94404845	30.55680128				
ENSG00000213366	132.7361185	174.8871663	210.2712283			
54.00138862	94.54477627	89.54783073	172.6315044			
79.36466521	1.121193059	0.007106201	1	GSTM2 1		
109668022	109709551	+	9116	protein_coding		
glutathione S-transferase mu 2 [Source:HGNC				Symbol;Acc:HGNC:4634]		
-	138	201	226	49	78	
97	0.731940851	0.960838372	1.157311206			
0.298678394	0.525941749	0.494764392				
ENSG00000213592	20.19897455	8.700854042	6.512825656	0		
0	0	11.80421808	0	5.902465191		
0.007113034	1	PPIAP42 11	57718044	57718530		
-	487	processed_pseudogene	peptidylprolyl			
isomerase A pseudogene 42 [Source:HGNC				Symbol;Acc:HGNC:53666]		
21	10	7	0	0	0	2.084930344
0.894807543	0.670988558	0	0	0		
ENSG00000164078	16.35155083	3.480341617	26.05130263			
1.102069155	0	15.29439836	0.367356385			
5.314166413	0.007153242	1	MST1R 3	49887002		
49903873	-	5252	protein_coding	macrophage		
stimulating 1 receptor [Source:HGNC				Symbol;Acc:HGNC:7381]		
17	4	28	1	0	0	0.156503992
0.033188977	0.248873898	0.01058004	0	0		
ENSG00000224982	0	0	0	26.66647536		
14.7707762	0	13.81241719	-6.349841819	0.007202277		
1	TMEM233 12	119593459	119643066	+		
3146	protein_coding	transmembrane protein 233 [Source:HGNC				

Symbol;Acc:HGNC:37219]	-	0	0	0	0	22
16	0	0	0	0	0.429844449	
0.236478838						
ENSG00000101493	347.2299911		321.0615142		301.4507875	
224.8221077	119.9991391		195.7127847		323.2474309	
180.1780105	0.841245401		0.007260048		1	ZNF516 18
76358190		76495190	-		8217	protein_coding
zinc finger protein 516	[Source:HGNC Symbol;Acc:HGNC:28990]					
zf-C2H2	361	369	324	204	99	212
2.124198664	1.956913715		1.840677735		1.379522932	
0.740575376	1.199647331					
ENSG00000171488	612.702228		649.953797		659.6561986	
946.6774045	927.266075		802.2377826		640.7707412	
892.0604207	-0.476724529		0.007268361		1	LRRRC8 1
89633072		89769903	+		11724	protein_coding
leucine rich repeat containing 8 VRAC subunit C	[Source:HGNC					
Symbol;Acc:HGNC:25075]	-	637	747	709	859	765
869	2.627028831		2.776536518		2.823036292	
4.071265244	4.010818279		3.446473827			
ENSG00000180044	54.82578806		44.37435562		58.61543091	
141.0648519	116.3628016		108.9344745		52.60519153	
122.1207093	-1.215287088		0.007350673		1	C3orf80 3
160225496		160228213	+		2718	protein_coding
chromosome 3 open reading frame 80	[Source:HGNC					
Symbol;Acc:HGNC:40048]	-	57	51	63	128	96
118	1.013973535		0.817672368		1.082024596	
2.61681223	2.171046577		2.018661838			
ENSG00000133624	100.0330168		122.682042		120.0220728	
46.28690453	54.54506323		43.3891551		114.2457105	
48.07370762	1.251019574		0.007395675		1	ZNF767P 7
149547154		149624752	-		4012	
transcribed_unprocessed_pseudogene	"zinc finger family member					
767, pseudogene	[Source:HGNC Symbol;Acc:HGNC:21884]" - 104					
141	129	42	45	47	1.253353654	
1.531499241	1.500979711		0.581701803		0.689443926	
0.544713265						
ENSG00000183023	18.27526269		24.36239132		26.05130263	
94.77794737	46.06027562		79.39292209		22.89631888	
73.41038169	-1.681482259		0.007436654		1	SLC8A1 2
40097270		40611053	-		21922	protein_coding
solute carrier family 8 member A1	[Source:HGNC					
Symbol;Acc:HGNC:11068]	-	19	28	28	86	38
86	0.041905849		0.055659135		0.059624382	
0.217986863	0.106549345		0.182410274			
ENSG00000279267	130.8124066		214.0410094		144.2125681	
14.32689902	92.12055124		65.5453194		163.0219947	
57.33092322	1.509438611		0.007488552		1	AL078621.3
2	113605867		113607908		-	2042 TEC
TEC	-	136	246	155	13	76 71
3.220211429	5.249742081		3.543414812		0.353752614	

	2.287732357	1.616715601			
ENSG00000258102	26.93196607	41.7640994	81.87552254		
135.5545061	141.8171644	113.5503421	50.19052934		
130.3073375	-1.375570384	0.007590974	1	MAP1LC3B2	
12	116548105	116576448	+	1767	
protein_coding	microtubule associated protein 1 light chain 3 beta 2				
[Source:HGNC Symbol;Acc:HGNC:34390]	-		28	48	88
123	117	123	0.766165687	1.183758977	
2.324835124	3.86794781	4.07002121	3.236678627		
ENSG00000116237	3468.452487	3268.040778	3563.446038		
3968.551029	4180.576069	4745.111855	3433.313101		
4298.079651	-0.324361149	0.007604673	0.119334874	ICMT	
1	6221193	6235972	-	4910	protein_coding
isoprenylcysteine carboxyl methyltransferase	[Source:HGNC				
Symbol;Acc:HGNC:5350]	-	3606	3756	3830	3601
5140	35.50957274	33.33517115	36.41357489		
40.75244528	43.17765605	48.67574923			
ENSG00000173698	12.5041271	9.570939447	12.09524765	0	
0	0	11.39010473	0	5.851351756	
0.007647326	1	ADGRG2	X	18989309	19122637
-	10155	protein_coding	adhesion G protein-coupled		
receptor G2	[Source:HGNC Symbol;Acc:HGNC:4516]	-	13	11	
13	0	0	0	0.061896293	0.047203191
0.059759845	0	0	0		
ENSG00000244560	119.2701354	68.73674694	173.0550817		
27.55172889	38.78760052	63.69897238	120.353988		
43.3461006	1.468126736	0.007663734	1	AC004890.2	
7	149285281	149297312	+	4288	
transcribed_unprocessed_pseudogene	AI894139	pseudogene			
[Source:NCBI gene;Acc:155060]	-	124	79	186	25
32	69	1.398196224	0.802843531	2.024902905	
0.32396439	0.458714599	0.748213142			
ENSG00000119943	102.9185846	94.83930906	89.31875186		
14.32689902	25.45436284	53.54406374	95.69221518		
31.10844187	1.612689987	0.007731882	1	PYROXD2	10
98383565	98415184	-	3867	protein_coding	
pyridine nucleotide-disulphide oxidoreductase domain 2					
[Source:HGNC Symbol;Acc:HGNC:23517]	-		107	109	96
13	21	58	1.337860471	1.228318304	
1.158892352	0.186801872	0.333804727	0.697404651		
ENSG00000223745	401.0939232	318.451258	378.6742917		
167.5145116	101.8174514	294.4923506	366.0731576		
187.9414379	0.957600995	0.007734162	1	CCDC18-AS1	
1	93262186	93346025	-	4786	
processed_transcript	CCDC18 antisense RNA 1	[Source:HGNC			
Symbol;Acc:HGNC:52262]	-	417	366	407	152
319	4.212739232	3.332475681	3.969791987		84
1.764748971	1.078832328	3.099195744			
ENSG00000067560	10624.66061	10434.93425	8630.424398		
12322.23523	13254.45037	11379.95989	9896.673088		

12318.88183	-0.315766437	0.00774073	0.120440516	RHOA
3	49359145	49412998	- 2582	
protein_coding	ras homolog family member A [Source:HGNC			
Symbol;Acc:HGNC:667]	-	11046 11993	9276 11181	10935
12327	206.8473767	202.4091744	167.7067481	
240.6226211	260.321423	221.9893687		
ENSG00000181227	39.43609317	26.10256213	28.84251362	
5.510345777	1.212112516	6.462214589	31.46038964	
4.394890961	2.820062784	0.00775341	1	DLSTP1 1
75743423	75744776	-	1354	
processed_pseudogene	dihydrolipoamide S-succinyltransferase			
pseudogene 1 [Source:HGNC	Symbol;Acc:HGNC:2912]	-	41	30
31	5	1	7	1.464085397
1.068781838	0.205193398	0.045397161	0.965519808	0.240386677
ENSG00000258754	10.58041524	17.40170808	6.512825656	0
0	0	11.49831633	0	5.865758881
0.007763839	1	LINC01579	15	93718542
94070820	-	6795	lincRNA long intergenic non-protein	
coding RNA 1579 [Source:HGNC	Symbol;Acc:HGNC:27519]	-		11
20	7	0	0	0.078271641
0.128262332	0.048089982	0	0	0
ENSG00000060558	6.732991517	21.75213511	6.512825656	0
0	0	11.66598409	0	5.887142118
0.007800959	1	GNA15	19	3136193
protein_coding	G protein subunit alpha 15 [Source:HGNC			
Symbol;Acc:HGNC:4383]	-	7	25	7
0	0.129526863	0.416926209	0.125056038	0
0	0			
ENSG00000130402	12241.54043	11895.80765	14545.9309	
17460.08163	15353.82924	15151.12369	12894.42633	
15988.34485	-0.310269431	0.00780744	0.120457649	ACTN4
19	38647649	38731583	+ 6098	
protein_coding	actinin alpha 4 [Source:HGNC			
Symbol;Acc:HGNC:166]	-	12727 13672	15634 15843	12667 16412
100.9113092	97.70194903	119.6819684	144.3650434	
127.683186	125.1425806			
ENSG00000102978	3356.877199	3717.874932	3255.482424	
3875.97722	4462.998285	4666.642107	3443.411519	
4335.20587	-0.332295766	0.007962212	0.121821849	POLR2C
16	57462387	57472010	+ 3940	
protein_coding	RNA polymerase II subunit C [Source:HGNC			
Symbol;Acc:HGNC:9189]	-	3490 4273	3499 3517	3682
5055	42.82825912	47.26016883	41.45660719	
49.60074392	57.44271025	59.65625085		
ENSG00000069020	1164.807532	879.6563437	1000.18394	
717.4470202	762.4187728	709.9204313	1014.882605	
729.9287414	0.475497585	0.00806379	1	MAST4 5
66596361	67169595	+	14675	protein_coding
microtubule associated serine/threonine	kinase family member 4			
[Source:HGNC	Symbol;Acc:HGNC:19037]	-	1211	1011 1075

651	629	769	3.989948129	3.002144856		
3.419608518	2.464988641		2.634631595	2.436571993		
ENSG00000132341	14033.47803		15361.35781	13601.57118		
15838.9379	18552.59417		18056.35074	14332.13568		
17482.6276	-0.286645932		0.008118367	0.123176705	RAN	
12	130871879		130877678	+ 4825		
protein_coding	"RAN, member RAS oncogene family [Source:HGNC					
Symbol;Acc:HGNC:9846]"	-		14590 17655	14619 14372	15306	
19559	146.2039785		159.4516442	141.4380904		
165.5129329	194.9897361		188.4865421			
ENSG00000207971	8.656703379		6.960683234	18.6080733	0	
0	0	11.40848664	0	5.853629285		
0.0081479	1	MIR125B1	11	122099757		
122099844	-	88	miRNA	microRNA	125b-1 [Source:HGNC	
Symbol;Acc:HGNC:31506]"	-		9 8	20 0	0	
0	4.944940312		3.961557032	10.60946194	0	
0	0					
ENSG00000130706	7516.9041		6152.373893	6180.671548		
6811.88945	9196.297661		10004.43136	6616.649847		
8670.872823	-0.390189657		0.008184944	0.123176705	ADRM1	
20	62302093		62308862	+ 2142		
protein_coding	adhesion regulating molecule 1 [Source:HGNC					
Symbol;Acc:HGNC:15759]"	-		7815 7071	6643 6181	7587	
10837	176.4049357		143.8533462	144.7740827		
160.3434858	217.7198256		235.2451211			
ENSG00000085840	730.0486516		678.6666153	842.9457207		
1158.274682	849.6908739		1200.125567	750.5536625		
1069.363708	-0.511585638		0.008196324	1	ORC1	1
52372829	52404459		-	3157	protein_coding	
origin recognition complex subunit 1 [Source:HGNC						
Symbol;Acc:HGNC:8487]"	-		759 780	906 1051	701	
1300	11.62434285		10.76660099	13.39675613		
18.49865606	13.64868455		19.14695817			
ENSG00000184076	248.1588302		181.8478495	273.5386776		
382.4179969	403.6334679		365.576711	234.5151191		
383.8760586	-0.711214604		0.008225365	1	UQCR10	22
29767369	29770413		+	975	protein_coding	
"ubiquinol-cytochrome c reductase, complex III subunit X						
[Source:HGNC Symbol;Acc:HGNC:30863]"	-			258 209	294	
347	333 396		12.79429343	9.341148325		
14.07630766	19.77592939		20.99360289	18.88519999		
ENSG00000130717	1092.668338		1344.28195	1204.872746		
1439.302317	1615.745984		1831.576249	1213.941011		
1628.87485	-0.42434299		0.008242578	1	UCK1	9
131523801	131531268		-	2688	protein_coding	
uridine-cytidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:14859]"						
-	1136 1545		1295 1306	1333 1984		
20.43385388	25.04712119		22.48984902	26.99764959		
30.48233595	34.31969515					
ENSG00000114626	634.8249144		594.2683311	703.3851709		

349.3559223	487.2692316	458.8172358	644.1594721		
431.8141299	0.57700011	0.00825032	1	ABTB1	3
127672935	127680920	+	6149	protein_coding	
ankyrin repeat and BTB domain containing 1 [Source:HGNC					
Symbol;Acc:HGNC:18275]	-	660	683	756	317 402
497	5.189680947	4.840328181	5.739358304		
2.864618635	4.01854578	3.758226182			
ENSG00000177363	334.725864	305.3999769	358.2054111		
157.5958892	255.7557409	164.3248853	332.777084		
192.5588385	0.791483061	0.008395829	1	LRRN4CL	11
62686402	62689899	-	2585	protein_coding	
LRRN4 C-terminal like [Source:HGNC Symbol;Acc:HGNC:33724]					
-	348	351	385	143	211 178
6.509084552	5.917049014	6.952583572	3.07388442		
5.01729074	3.201772521				
ENSG00000133265	3319.364818	2813.856197	3258.273635		
3451.680595	4236.333244	4335.222816	3130.498217		
4007.745552	-0.356568254	0.00840718	0.123753357		HSPBP1
19	55262231	55280381	-	2159	
protein_coding HSPA (Hsp70) binding protein 1 [Source:HGNC					
Symbol;Acc:HGNC:24989]	-	3451	3234	3502	3132 3495
4696	77.28470142	65.2748633	75.71981344		
80.60855847	99.50431125	101.1361609			
ENSG00000104853	4165.798037	4098.102254	4404.530951		
5241.440903	5379.355347	4879.895188	4222.810414		
5166.897146	-0.290958955	0.008418361	0.123753357		CLPTM1
19	44954585	44993341	+	5229	
protein_coding "CLPTM1, transmembrane protein [Source:HGNC					
Symbol;Acc:HGNC:2087]"	-	4331	4710	4734	4756 4438
5286	40.04707106	39.25191621	42.26254514		
50.54000118	52.16942094	47.00451058			
ENSG00000012963	1348.522015	1832.399861	1502.601919		
2183.198997	2009.682552	2008.825564	1561.174599		
2067.235704	-0.404776518	0.008422856	1	UBR7	14
93207056	93229215	+	3694	protein_coding	
ubiquitin protein ligase E3 component n-recognin 7 (putative)					
[Source:HGNC Symbol;Acc:HGNC:20344]	-		1402	2106	1615
1981	1658	2176	18.35068748	24.84391722	
20.40899745	29.79885851	27.58893877	27.39006217		
ENSG00000214485	2806.695607	3462.939909	2825.635931		
3976.265513	3757.548801	3774.856494	3031.757149		
3836.223602	-0.339381522	0.008425474	0.123753357		RPL7P1
5	150094302	150095048	+	747	
processed_pseudogene ribosomal protein L7 pseudogene 1 [Source:HGNC					
Symbol;Acc:HGNC:10367]	-	2918	3980	3037	3608 3100
4089	188.8712707	232.1780012	189.7886453		
268.3848339	255.087074	254.5232891			
ENSG00000128185	1203.28177	1265.974263	1190.916691		
1265.17539	1886.047075	1921.12408	1220.057575		
1690.782182	-0.470841542	0.008460228	1	DGCR6L	22

20314276	20320080	-	1154	protein_coding		
DiGeorge syndrome critical region gene 6 like [Source:HGNC						
Symbol;Acc:HGNC:18551]	-	1251	1455	1280	1148	1556
2081	52.41465329	54.9434318	51.77858724			
55.27746559	82.88026749	83.84888455				
ENSG00000085382	547.2960247	525.5315842	388.908732			
317.3959168	327.2703794	296.3386976	487.245447			
313.6683312	0.635956042	0.008473099	1	HACE1	6	
104728093	104859919	-	9238	protein_coding		
HECT domain and ankyrin repeat containing E3 ubiquitin protein						
ligase 1 [Source:HGNC	Symbol;Acc:HGNC:21033]	-	569	604		
418	288	270	321	2.978074274	2.849164854	
2.112245335	1.732313834	1.796524592	1.615690207			
ENSG00000279488	7.694847448	0	36.28574294	0	0	
0	14.6601968	0	6.215192836	0.008549944		
1	AC004623.1	19	1372238	1374364	-	2127
TEC	TEC	-	8	0	39	0
0	0.181854358	0	0.855939666	0	0	0
0						
ENSG00000067225	49989.57644	52453.96868	61308.01911			
64284.7959	70930.40023	64502.13333	54583.85475			
66572.44316	-0.286439849	0.008588005	0.124186412			PKM
15	72199029	72231822	-	8571		
protein_coding	pyruvate kinase M1/2 [Source:HGNC					
Symbol;Acc:HGNC:9021]	-	51972	60286	65894	58331	58518
69870	293.1832476	306.5092404	358.8892189			
378.1638148	419.6675019	379.0445584				
ENSG00000134250	13321.70464	11270.21624	12269.23313			
10961.17982	8472.666489	10009.9704	12287.05134			
9814.605569	0.324026102	0.008590237	0.124186412			NOTCH2
1	119911553	120069626	-	16807		
protein_coding	notch 2 [Source:HGNC	Symbol;Acc:HGNC:7882]	-			
13850	12953	13187	9946	6990	10843	39.84380352
33.58449043	36.62704162	32.88291414	25.56432534			
29.99786013						
ENSG00000264885	292.404203	100.9299069	155.3774121			
52.89931946	64.24196336	108.9344745	182.9038407			
75.35858578	1.274986598	0.00859337	1	AC026271.3		
17	18667629	18669461	-	1833		
sense_intronic	novel transcript	-	304	116	167	
48	53	118	8.018854532	2.757745103		
4.253045628	1.455093216	1.777300098	2.99330217			
ENSG00000127957	151.9732371	91.35896745	81.87552254			
24.24552142	65.45407588	12.92442918	108.4025757			
34.20800883	1.6735325	0.008607177	1	PMS2P3	7	
75502930	75528148	-	1727			
transcribed_unprocessed_pseudogene	"PMS1 homolog 2, mismatch					
repair system component pseudogene 3 [Source:HGNC	Symbol;Acc:HGNC:9128]"	-	158	105	88	22
14	4.423499331	2.649448971	2.378681914	54		

0.707851875	1.921979639	0.376935218			
ENSG00000095564	1968.919091	1548.75202	1717.525166		
1389.709205	1123.628303	1389.376137	1745.065425		
1300.904548	0.423072896	0.008609739	1	BTAF1	10
91923769	92030325	+	7582	protein_coding	
B-TFIID TATA-box binding protein associated factor 1					
[Source:HGNC Symbol;Acc:HGNC:17307]	-	2047	1780	1846	
1261	927	1505	13.05374964	10.23045195	
11.36564148	9.241518774	7.515247958	9.229618242		
ENSG00000116883	43.28351689	70.47691774	81.87552254		
24.24552142	8.484787614	21.23299079	65.21198572		
17.98776661	1.852213813	0.008672625	1	AL591845.1	
1	36323734	36329221	+	1838	
antisense	"novel transcript, antisense to EVA1B"			-	45
81	88	22	7	23	1.183772436
1.920428355	2.235029197	0.665103476	0.23409918		
0.581853093					
ENSG00000138834	1146.53227	855.2939524	1379.788635		
675.5683923	753.9339851	888.0929192	1127.204953		
772.5317656	0.544287629	0.008740798	1	MAPK8IP3	
16	1706183	1770317	+	10285	protein_coding
mitogen-activated protein kinase 8 interacting protein 3 [Source:HGNC					
Symbol;Acc:HGNC:6884]	-	1192	983	1483	613 622
962	5.603678053	4.164931083	6.73105115		
3.311831421	3.717349963	4.349124039			
ENSG00000268575	180.828915	207.0803262	169.3334671		
111.3089847	44.8481631	100.6259129	185.7475694		
85.59435356	1.114429333	0.008758535	1	AL031282.2	
1	1702736	1737688	-	5079	processed_transcript
"novel transcript, readthrough between SLC35E2 and CDK11A"					
-	188	238	182	101	37 109
1.789702534	2.042007543	1.672781478	1.104982003		
0.447786371	0.997882263				
ENSG00000185689	17.31340676	7.830768638	8.373632987	0	
0	0	11.17260279	0	5.823164387	
0.008787323	1	C6orf201	6	4079206	4130951 +
3322	protein_coding chromosome 6 open reading frame 201				
[Source:HGNC Symbol;Acc:HGNC:21620]	-	18	9	9	
0	0	0	0.261983593	0.118059647	
0.126470407	0	0	0		
ENSG00000177990	179.8670591	84.39828421	183.289522		
70.53242595	58.18140078	65.5453194	149.1849551		
64.75304871	1.202737347	0.008788519	1	DPY19L2	12
63558913	63668939	-	5646	protein_coding	
dpy-19 like 2 [Source:HGNC Symbol;Acc:HGNC:19414]					
187	97	197	64	48	71 1.601407836
0.748668323	1.628813605	0.629870319	0.52257391		
0.584720733					
ENSG00000280035	10.58041524	7.830768638	14.88645864	0	
0	0	11.09921417	0	5.813969042	

0.008812508	1	AC011676.5	8	141224288		
141226947	-	2660	TEC	TEC	-	11 9
16	0	0	0	0.19994579		0.147441408
0.280791775		0	0	0		
ENSG00000131462	1647.65921		1660.122951		1915.701147	
2168.872098	2558.769522		2072.524536		1741.161103	
2266.722052	-0.380165261		0.008814614		1	TUBG1 17
42609676		42615234	+	2411		protein_coding
tubulin gamma 1	[Source:HGNC Symbol;Acc:HGNC:12417]					-
1713	1908	2059	1968	2111	2245	34.35273894
34.48575653		39.86623037		45.35654106		53.81934192
43.29623709						
ENSG00000149806	5606.658221		5729.512387		7595.815523	
7862.161355	7821.762068		8409.187527		6310.662044	
8031.036983	-0.34786052		0.008829227		0.126644221	FAU
11	65120628		65122473		-	1846
protein_coding	"FAU, ubiquitin like and ribosomal protein S30 fusion [Source:HGNC Symbol;Acc:HGNC:3597]"				5829	6585 8164
7134	6453	9109	152.6734695		155.4471201	
206.4511637	214.7402488		214.8707643		229.4404699	
ENSG00000213999	38.47423724		21.75213511		12.09524765	0
4.848450065	0		24.10720666		1.616150022	
3.961948501	0.008833317		1	MEF2B	19	19145568
19170289	-		1848	protein_coding		myocyte
enhancer factor 2B	[Source:HGNC Symbol;Acc:HGNC:6995]				SRF	40
25	13	0	4	0	1.046548214	
0.589517416	0.328388108		0	0.133047091	0	
ENSG00000053900	544.4104569		730.0016542		654.0737766	
542.2180245	345.4520671		345.2668938		642.8286292	
410.9789951	0.645894542		0.008837082		1	ANAPC4 4
25377213		25418498	+	7494		protein_coding
anaphase promoting complex subunit 4	[Source:HGNC Symbol;Acc:HGNC:19990]				566	839 703 492 285
374	3.651774561		4.878730965		4.379128328	
3.648072474	2.337644852		2.32053932			
ENSG00000275882	366.4671097		54.81538047		31.63372462	
25.34759057	44.8481631		50.7745432		150.9720716	
40.32343229	1.902819971		0.008849654		1	IKBKGP1 X
154639978		154648275	-	1073		
unprocessed_pseudogene	inhibitor of nuclear factor kappa B kinase subunit gamma pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24455]					-
381	63	34	23	37	55	17.16826745
2.558582501		1.479194321		1.191077876		2.119577801
2.383383814						
ENSG00000285756	17.31340676		18.27179349		0.930403665	0
0	0		12.17186797		0	5.947574799
0.008918013	1	BX890604.2	X	3817528	3937855	-
14235	lincRNA	novel transcript		-	18	21
1	0	0	0	0.061138707		0.064286595
0.003279356		0	0	0		

ENSG00000142513	50.97836434		10.44102485		38.14655027	0
	8.484787614	0	33.18864649		2.828262538	
3.59762167	0.008958455		1	ACP4	19	50790415
	50795224	+	1347	protein_coding	acid	
phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:14376]					-	53
	12	41	0	7	0	1.902433524
0.388214943	1.420896017		0	0.319431547		0
ENSG00000129682	7.694847448		39.15384319		35.35533928	
52.89931946	119.9991391		106.164954		27.40134331	
93.02113751	-1.760698604		0.008969113		1	FGF13 X
	138614731	139222777		-	20681	protein_coding
fibroblast growth factor 13 [Source:HGNC Symbol;Acc:HGNC:3670]						
	-	8	45	38	48	99 115
0.018703362	0.094819918		0.085774481		0.128967935	
0.294246307	0.25855761					
ENSG00000253311	0	0	0	15.42896818		8.484787614
	7.385388102	0	10.43304796		-5.945530081	
0.008979076	1	LINC01847		5	159698586	
159937766	-	7553	antisense		long intergenic non-	
protein coding RNA 1847 [Source:HGNC Symbol;Acc:HGNC:52662]						-
	0	0	0	14	7	8 0 0
	0	0.102996056		0.056967337		0.049249465
ENSG00000117632	4419.728003		5915.710663		5403.784487	
7047.732249	6986.616544		6009.859568		5246.407718	
6681.402787	-0.3486018		0.009012441		0.127724303	STMN1
	1	25884181		25906991	-	6261
protein_coding stathmin 1 [Source:HGNC Symbol;Acc:HGNC:6510]						-
	4595	6799	5808	6395	5764	6510 35.48485447
	47.32165611		43.3040923		56.75562214	56.58842786
	48.34686332					
ENSG00000185278	1124.409583		877.0460875		803.8687667	
	715.2428819		665.4497715		580.6761395	935.1081458
653.7895976	0.516689837		0.009014186		1	ZBTB37 1
	173868082	173903549		+	19464	protein_coding
zinc finger and BTB domain containing 37 [Source:HGNC						
Symbol;Acc:HGNC:28365]	ZBTB	1169	1008		864	649 549
	629	2.903913206		2.256768618		2.072180977
1.852783372	1.73375453		1.502621393			
ENSG00000204248	108.6897202		44.37435562		56.75462358	0
	15.75746271	24.00251133		69.93956646		13.25332468
	2.39212078	0.0090346		1	COL11A2	6
33162681	33192499		-	6740		protein_coding
collagen type XI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2187]						
	-	113	51	61	0	13 26
0.810624571	0.329737907		0.422489553		0	0.118557987
	0.179367795					
ENSG00000168939	58.67321179		92.22905285		108.8572288	
	120.1255379		193.9380026		248.3336749	86.58649782
187.4657385	-1.114916311		0.009042724		1	SPRY3 X
	155767812	155782459		+	9019	protein_coding

sprouty RTK signaling antagonist 3 [Source:HGNC						
Symbol;Acc:HGNC:11271]	-	61	106	117	109	160
269	0.327018758	0.512160494	0.605582771			
0.671552785	1.090458033	1.386835376				
ENSG00000136271	6367.486263	5419.761983	5199.095681			
5886.151359	7595.097027	8680.60054	5662.114642			
7387.282975	-0.383856531	0.00904366	0.127724303			DDX56
7	44565417	44575051	-		4068	
protein_coding DEAD-box helicase 56 [Source:HGNC						
Symbol;Acc:HGNC:18193]	-	6620	6229	5588	5341	6266
9403	78.68252016	66.72613724	64.12413046			
72.95476744	94.67968547	107.4772412				
ENSG00000252743	0	0	2.791210996	7.714484088		
25.45436284	24.00251133	0.930403665				
19.05711942	-4.362883033	0.009155585	1		RNU6-850P	
6	31756951	31757053	-		103	snRNA
"RNA, U6 small nuclear 850, pseudogene [Source:HGNC						
Symbol;Acc:HGNC:47813]"	-	0	0	3	7	21
26	0	0	1.359659201	3.776355392		
12.53226098	11.73727125					
ENSG00000239306	1882.352057	1505.247749	1870.111367			
2054.256906	2432.70982	2387.326704	1752.570391			
2291.431143	-0.386973746	0.009159678	1		RBM14	11
66616582	66627347	+	3937			protein_coding
RNA binding motif protein 14 [Source:HGNC						
Symbol;Acc:HGNC:14219]	-	1957	1730	2010	1864	2007
2586	24.03403157	19.1486996	23.83288835			
26.30828493	31.3349725	30.54176449				
ENSG00000163481	870.4796175	948.3930906	879.2314636			
994.0663782	1307.869405	1434.611639	899.3680572			
1245.515807	-0.470022286	0.009162733	1		RNF25	2
218663864	218672411	-	2323			protein_coding
ring finger protein 25 [Source:HGNC Symbol;Acc:HGNC:14662]						
-	905	1090	945	902	1079	1554
18.83651631	20.44729609	18.99016047	21.5759224			
28.55088634	31.10518744					
ENSG00000144554	401.0939232	415.0307378	365.6486404			
922.4318831	512.7235944	481.8965736	393.9244338			
639.0173504	-0.697543995	0.009214089	1		FANCD2	3
10026414	10101930	+	8378			protein_coding
FA complementation group D2 [Source:HGNC Symbol;Acc:HGNC:3585]						
-	417	477	393	837	423	522
2.406561228	2.481056308	2.189768631	5.551331288			
3.103468713	2.897084517					
ENSG00000239264	396.2846435	395.8888589	544.2861441			
300.8648794	190.3016651	312.0326473	445.4865489			
267.7330639	0.732627843	0.009216584	1		TXNDC5	6
7881517	7910814	-	4387			protein_coding thioredoxin
domain containing 5 [Source:HGNC Symbol;Acc:HGNC:21073]						
-	455	585	273	157	338	412
455	585	273	157	338	4.540783526	

4.51962456	6.224927067	3.457857217	2.199780653			
3.582449557						
ENSG00000143368	5657.636586	5310.131222	5542.414634			
6050.359663	6923.586693	7357.692896	5503.394147			
6777.213084	-0.300493841	0.009228026	0.128426108	SF3B4		
1	149923317	149928344	-	2245		
protein_coding	splicing factor	3b subunit 4	[Source:HGNC			
Symbol;Acc:HGNC:10771]	-	5882	6103	5957	5490	5712
7970	126.6805357	118.4637899	123.8674767			
135.8839124	156.3936853	165.0718407				
ENSG00000279948	35.58866945	13.05128106	13.02565131			
3.306207466	0	0	20.55520061	1.102069155		
4.236232456	0.009231923	1	AC008895.1	19		
46946535	46949156	+	2622	TEC	TEC	-
37	15	14	3	0	0	0.682291959
0.249297067	0.249253568	0.063577085	0	0		
ENSG00000170889	13992.11823	14743.59717	19045.36303			
17481.02094	21299.24114	22451.57983	15927.02614			
20410.61397	-0.35786694	0.00923325	0.128426108	RPS9		
19	54200742	54249003	+	4371		
protein_coding	ribosomal protein S9	[Source:HGNC				
Symbol;Acc:HGNC:10442]	-	14547	16945	20470	15862	17572
24320	160.9140067	168.9348943	218.6165679			
201.6458009	247.1085363	258.7103373				
ENSG00000147854	1549.549905	1741.910979	1634.71924			
1439.302317	1201.203504	988.7188321	1642.060041			
1209.741551	0.441495715	0.00925557	1	UHRF2	9	
6413151	6507054	+	9919	protein_coding	ubiquitin like	
with PHD and ring finger domains 2	[Source:HGNC					
Symbol;Acc:HGNC:12557]	-	1611	2002	1757	1306	991
1071	7.852878293	8.795383503	8.268941264			
7.31622967	6.141198348	5.020565053				
ENSG00000260300	0	0	0	4.408276622	0	
36.003767	0	13.47068121	-6.319142918	0.00926013		
1	AC009119.2	16	83908132	83951445		
+	3055	protein_coding	novel protein	-	0	
0	0	4	0	39	0	0
0.072754661	0	0.59358704				
ENSG00000017483	50.97836434	60.03589289	32.56412828			
5.510345777	3.636337549	19.38664377	47.85946184			
9.511109031	2.310759765	0.009282135	1	SLC38A5 X		
48458537	48470256	-	4014	protein_coding		
solute carrier family 38 member 5	[Source:HGNC					
Symbol;Acc:HGNC:18070]	-	53	69	35	5	3
21	0.638410054	0.749083654	0.407039646			
0.06921571	0.045940027	0.243261256				
ENSG00000164300	819.5012532	826.581134	653.143373			
609.4442429	504.2388068	476.3575326	766.4085867			
530.0135274	0.532522643	0.009285068	1	SERINC5	5	
80111651	80256079	-	9570	protein_coding		

	serine incorporator 5 [Source:HGNC Symbol;Acc:HGNC:18825]					
	-	852	950	702	553	416 516
4.304561068		4.325838139		3.424295303		3.210888592
2.671952621		2.507083404				
ENSG00000109084		1403.347803		1308.608448		1352.806929
1708.207191		1744.229911		1740.182071		1354.92106
1730.873058		-0.353378537		0.009353678		1 TMEM97 17
	28319095		28328685	+	3034	protein_coding
	transmembrane protein 97 [Source:HGNC Symbol;Acc:HGNC:28106]					
	-	1459	1504	1454	1550	1439 1885
23.2509623		21.6018456		22.37148772		28.38756655
29.15362597		28.88862				
ENSG00000225282		29.81753386		12.18119566	0	0 0
	0	13.99957651		0	6.148675513	0.009436989
	1	AP000350.2		22	23926900	23929574
	+	1763		processed_pseudogene		kelch-like 5
(Drosophila) (KLHL5) pseudogene	-			31	14	0 0
	0	0	0.85017944		0.346046389	0 0
	0	0				
ENSG00000167548		5674.949993		2779.922867		5098.612085
3283.064014		2831.494838		3351.119851		4517.828315
3155.226234		0.517650739		0.009468354		0.130417851 KMT2D
	12	49018975		49059774		- 20485
	protein_coding lysine methyltransferase 2D [Source:HGNC					
	Symbol;Acc:HGNC:7133]					
	-			5900	3195	5480 2979 2336
	3630	13.92570721		6.796627869		12.4879349
8.08065525		7.009454651		8.239515496		
ENSG00000099960		21.16083048		3.480341617		9.304036652 0
	0	0	11.31506958		0	5.840937952
0.009504261		1	SLC7A4	22	21028718	21032840
	-	2447		protein_coding		solute carrier family 7 member
4 [Source:HGNC Symbol;Acc:HGNC:11062]				-	22	4 10
	0	0	0	0.434700288		0.071233555
0.190770873		0	0	0		
ENSG00000175866		2001.622192		1625.319535		1965.942945
1887.844463		3009.675378		2796.29257		1864.294891
2564.604137		-0.460196756		0.009508868		1 BAIAP2 17
	81035122		81117432	+	10288	protein_coding
	BAI1 associated protein 2 [Source:HGNC Symbol;Acc:HGNC:947]					
	-	2081	1868	2113	1713	2483 3029
9.78007851		7.912332222		9.587703109		9.252060224
14.83519039		13.68987037				
ENSG00000146830		1251.374566		974.4956528		1411.42236
741.6925416		728.4796223		1045.032416		1212.43086
838.4015268		0.530916499		0.009531339		1 GIGYF1 7
	100679507		100694037	-	6917	protein_coding
	GRB10 interacting GYF protein 1 [Source:HGNC					
	Symbol;Acc:HGNC:9126]					
	-			1301	1120	1517 673 601
	1132	9.094121189		7.056004429		10.23796972
5.406414413		5.340772226		7.609562165		

ENSG00000213736	0	0	0	0	0	49.85136969	
	0	16.61712323	-6.621170699	0.009552872	1		
AC026310.1	12	24967127	24967504	-			
378	processed_pseudogene	brain	protein I3 (BR13)				
pseudogene	-	0	0	0	0	54	
	0	0	0	0	6.642521643		
ENSG00000149600	594.4269653	723.0409709	441.941741				
846.3891114	959.9931129	792.0828739	586.4698924				
866.1550327	-0.561792494	0.009627576	1	COMMD7	20		
32702691	32743997	-	2584	protein_coding			
	COMM domain containing 7 [Source:HGNC	Symbol;Acc:HGNC:16223]					
	-	618	831	475	768	792	858
11.56370975	14.01416131	8.581182455	16.51508276				
18.83996243	15.43923568						
ENSG00000267128	11.54227117	3.480341617	18.6080733	0			
	0	11.2102287	0	5.827920253			
0.009628683	1	RNF157-AS1	17	76140556			
76154650	+	2283	antisense	RNF157 antisense RNA 1			
	[Source:HGNC	Symbol;Acc:HGNC:44127]	-	12	4	20	
	0	0	0.254142063	0.076350639			
0.408949913	0	0	0				
ENSG00000092621	7660.220634	5806.079903	7369.727432				
7842.32411	8604.786753	10336.77382	6945.342656				
8927.961562	-0.362472312	0.009636515	0.130417851	PHGDH			
1	119648411	119744226	+	9217			
protein_coding	phosphoglycerate dehydrogenase [Source:HGNC	Symbol;Acc:HGNC:8923]	-	7964	6673	7921	7116
	11197	41.7775416	31.54932959	40.11774021		7099	
42.90010899	47.34290999	56.48629748					
ENSG00000224945	48.09279655	65.25640532	49.31139426				
12.12276071	21.81802529	2.769520538	54.22019871				
12.23676885	2.164588244	0.009638083	1	AL353150.1			
9	89088604	89109934	-	1038			
sense_intronic	novel transcript	-	50	75	53		
11	18	3	2.329023482	3.148636369			
2.383551566	0.588853655	1.065914848	0.134386276				
ENSG00000106153	7918.959879	8713.035238	9369.164908				
9366.485752	11149.01092	11871.0882	8667.053342				
10795.52829	-0.316863618	0.00965983	0.130417851	CHCHD2			
7	56101569	56106576	-	1132			
protein_coding	coiled-coil-helix-coiled-coil-helix domain containing	2 [Source:HGNC	Symbol;Acc:HGNC:21645]	-	8233	10014	10070
	8499	9198	12859	351.6518488	385.4958952		
415.2685864	417.1895736	499.4526694	528.1919617				
ENSG00000198888	48197.63884	41786.72162	43506.60579				
41276.89815	63975.29861	72778.38388	44496.98875				
59343.52688	-0.41540074	0.009660582	0.130417851	MT-ND1			
MT	3307	4262	+	956	protein_coding		
mitochondrially	encoded NADH:ubiquinone oxidoreductase core subunit 1	[Source:HGNC	Symbol;Acc:HGNC:7455]	-	50109	48026	46761

37454	52780	78835	2534.306048	2189.158074		
2283.347092	2176.969565		3393.585955	3834.353929		
ENSG00000079462	1038.804405		1176.355467	1065.312197		
1355.545061	1505.443745		1432.765292	1093.49069		
1431.251366	-0.388056068		0.009670649	1	PAFAH1B3	
19	42297033		42303546	-	1419	
protein_coding	platelet activating factor acetylhydrolase 1b					
catalytic subunit 3 [Source:HGNC Symbol;Acc:HGNC:8576]				-		1080
1352	1145	1230	1242	1552	36.79955581	
41.51957448	37.6677021		48.16535434	53.80053081		
50.85578233						
ENSG00000275091	0	0	0	0	26.66647536	
12.00125567	0	12.88924367	-6.249571588	0.009691477		
1	AC022098.4	19	14006422	14006773		
+	352	antisense	"novel transcript, antisense			
to RFX1"	-	0	0	0	22	13
0	0	0	0	3.841734764	1.717242811	
ENSG00000176095	2083.379946		1992.495576	2122.25076		
2445.491456	2483.618546		2945.846679	2066.042094		
2624.98556	-0.345879761		0.009696166	1	IP6K1	3
49724294	49786542		-	5200	protein_coding	
inositol hexakisphosphate kinase 1 [Source:HGNC						
Symbol;Acc:HGNC:18360]	-	2166	2290	2281	2219	2049
3191	20.13985434		19.19069647	20.47707767		
23.71188075	24.2206601		28.53346268			
ENSG00000135604	0	0	0	8.816553243	9.69690013	
12.00125567	0		10.17156968	-5.910070226		
0.009726482	1	STX11	6	144150526	144188370	
+	1926	protein_coding	syntaxin 11 [Source:HGNC			
Symbol;Acc:HGNC:11429]	-	0	0	0	8	8
13	0	0	0	0.230805284	0.255317783	
0.313847077						
ENSG00000214029	277.976364		190.5487035	307.9636132		
153.1876126	163.6351897		96.01004532	258.8295603		
137.6109492	0.91387465		0.009799025	1	ZNF891	12
133106817	133130473		-	15455	protein_coding	
zinc finger protein 891 [Source:HGNC Symbol;Acc:HGNC:38709]						
zf-C2H2	289	219	331	139	135	104
0.904128272	0.617495367		0.999781325	0.49975579		
0.536923137	0.31289264					
ENSG00000279865	20.19897455		2.610256213	11.16484398	0	
0	0	11.32469158	0	5.842147554		
0.009825263	1	AC006511.3	12	8080381	8082163	-
1783	TEC	TEC	-	21	3	12
0	0	0.569467794	0.073321022	0.314178122		
0	0	0				
ENSG00000116521	4408.185732		5043.885088	5284.692818		
5459.650596	6244.803684		6768.708195	4912.254546		
6157.720825	-0.326080311		0.00983943	0.131652932		SCAMP3
1	155255979		155262430	-	2442	

protein_coding	secretory carrier membrane protein 3	[Source:HGNC					
Symbol;Acc:HGNC:10565]	-		4583	5797	5680	4954	5152
	7332	90.74138718	103.4466041		108.5797186		
112.7255561		129.6813596	139.6071993				
ENSG00000118600		438.6063045	406.3298838		363.7878331		
300.8648794		241.2103907	219.715296		402.9080071		
253.9301887		0.666690848	0.009888365		1	RXYLT1	12
	63779803		63809558	+	7804		protein_coding
	ribitol xylosyltransferase 1	[Source:HGNC					
Symbol;Acc:HGNC:13530]	-		456	467	391	273	199
	238	2.825197403	2.607703546		2.338867033		
1.943826193		1.567412031	1.418047291				
ENSG00000167552		8083.437244	10991.78891		9519.890302		
12173.45589		14938.07465	10229.68569		9531.705486		
12447.07208		-0.384826321	0.009895482		0.131652932		TUBA1A
	12	49184796	49189324		-	3421	
protein_coding	tubulin alpha 1a	[Source:HGNC					
Symbol;Acc:HGNC:20766]	-		8404	12633	10232	11046	12324
					11081		
118.7775016		160.9207395	139.6218837		179.4171726		
221.4348517		150.6110717					
ENSG00000169403	0	0	0		8.816553243		30.30281291
	0	0	13.03978872		-6.264172501		0.009967173
	1	PTAFR	1		28147166		28193936
	4706	protein_coding	platelet activating factor receptor				
[Source:HGNC	Symbol;Acc:HGNC:9582]				-	0	0
					0	0	0
	8	25	0	0	0		0.094460471
	0.326539291		0				
ENSG00000115760		2951.935852	1967.263099		2327.86997		
2015.684485		1596.352184	1742.028419		2415.68964		
1784.688363		0.436492627	0.009987366		1	BIRC6	2
	32357028		32618899	+	17858		protein_coding
	baculoviral IAP repeat containing 6	[Source:HGNC					
Symbol;Acc:HGNC:13516]	-		3069	2261	2502	1829	1317
	1887	8.30931621	5.517296727		6.540342964		
5.691056936		4.533152365	4.913263993				
ENSG00000223653	0	0	0.930403665		11.02069155		
13.33323768		12.92442918	0.310134555				
12.42611947		-5.236478049	0.010002796		1	AL078459.1	
	1	85276715	85448124		+	2277	
antisense	novel transcript				-	0	0
							1
	10	11	14		0	0	0.020501376
0.244033255		0.296945682	0.285888064				
ENSG00000069188		13.46598303	5.220512425		13.95605498		0
	0	0	10.88085015		0		5.784933836
0.010058606		1	SDK2	17	73334384		73644089
	-	11607	protein_coding	sidekick cell adhesion			
molecule 2	[Source:HGNC	Symbol;Acc:HGNC:19308]	-			14	6
	15	0	0		0.058318892		0.0225263
	0.060327775		0		0		
ENSG00000167723		230.8454234	289.7384396		365.6486404		

197.2703788	179.3926524	98.77956586	295.4108345		
158.4808657	0.901294731	0.01011869	1	TRPV3	17
3510502	3557995	-	9780	protein_coding	transient
receptor potential cation channel subfamily V member 3 [Source:HGNC					
Symbol;Acc:HGNC:18084]	-	240	333	393	179 148
107	1.186516012	1.483761085	1.875857014		
1.017012334	0.930186904	0.508716637			
ENSG00000131504	3794.521648	3450.758713	3687.189725		
4558.158027	4287.24197	4503.240395	3644.156695		
4449.546797	-0.288212516	0.010170056	0.134285642		DIAPH1
5	141515016	141619055	-	7375	
protein_coding diaphanous related formin 1 [Source:HGNC					
Symbol;Acc:HGNC:2876]	-	3945	3966	3963	4136 3537
4878	25.86343471	23.43415418	25.08465218		
31.16237497	29.47951915	30.75465004			
ENSG00000165280	11326.81544	10021.64369	10227.92749		
12401.58421	12951.42224	12510.84744	10525.46221		
12621.28463	-0.261984838	0.010250926	0.134285642		VCP
9	35056064	35073249	-	5438	
protein_coding valosin containing protein [Source:HGNC					
Symbol;Acc:HGNC:12666]	-	11776	11518	10993	11253 10685
13552	104.7031651	92.29888798	94.36763271		
114.984992	120.7765677	115.876457			
ENSG00000198576	54.82578806	41.7640994	53.03300892		
241.353145	139.3929394	41.54280807	49.87429879		
140.7629642	-1.495603993	0.010270361	1	ARC	8
142611044	142614472	-	2991	protein_coding	
activity regulated cytoskeleton associated protein					
[Source:HGNC Symbol;Acc:HGNC:648]	-		57	48	57
219	115	45	0.921424295	0.699332034	
0.889619878	4.068550823	2.363354051	0.699563463		
ENSG00000136877	1134.028143	1308.608448	1291.400287		
1353.340923	1833.926237	1842.654331	1244.678959		
1676.640497	-0.429794238	0.010278291	1	FPGS	9
127794597	127814327	+	3931	protein_coding	
folylpolyglutamate synthase [Source:HGNC Symbol;Acc:HGNC:3824]					
-	1179	1504	1388	1228	1513 1996
14.50146831	16.67260227	16.48285576	17.35830706		
23.65828419	23.60959359				
ENSG00000111145	5373.889086	5379.738054	4283.578475		
4066.635183	3809.669639	4114.584346	5012.401872		
3996.963056	0.326508585	0.010312786	0.134285642		ELK3
12	96194382	96269835	+	4648	
protein_coding "ELK3, ETS transcription factor [Source:HGNC					
Symbol;Acc:HGNC:3325]"	ETS	5587	6183	4604	3690 3143
4457	58.1184159	57.96845491	46.23972381		
44.11357862	41.56479299	44.58692615			
ENSG00000131002	858.9373463	596.0085019	751.7661615		
562.0552693	458.1785312	488.3587882	735.5706699		
502.8641962	0.548229657	0.010332645	1	TXLNGY	Y

19567313	19606274	+	11377		
transcribed_unprocessed_pseudogene		"taxilin gamma pseudogene, Y-linked [Source:HGNC Symbol;Acc:HGNC:18473]"			
808	510	378	529	3.795114797	2.623743714
3.315351947	2.490889498	2.042261743	2.162016142		
ENSG00000279530	10.58041524	13.05128106	8.373632987	0	
0	0	10.6684431	0	5.757364599	
0.010376204	1	AC092881.1	12	70321542	
70324274	-	2733	TEC	TEC	- 11 15
9	0	0	0	0.194605123	0.239171939
0.153726562	0	0	0		
ENSG00000232729	23.08454234	0	17.67766964	0	0
0	13.58740399	0	6.105112946	0.01039108	
1	AC211433.1	7	74688939	74729001	
-	2847	processed_transcript	uncharacterized		
LOC101926943	[Source:NCBI gene;Acc:101926943]	-	24	0	
19	0	0	0	0.40759138	0
0.311538819	0	0	0		
ENSG00000230373	11.54227117	23.49230591	20.46888063		
2.204138311	1.212112516	0.923173513	18.50115257		
1.44647478	3.686938497	0.01046518	1	GOLGA6L5P	
15	84507885	84516814	-	3899	
transcribed_unprocessed_pseudogene		"golgin A6 family-like 5, pseudogene [Source:HGNC Symbol;Acc:HGNC:30472]"			
22	2	1	1	0.14880901	0.30176518
0.263399825	0.028502884	0.015765005	0.011925533		
ENSG00000270923	12.5041271	16.53162268	3.721614661	0	
0	0	10.91912148	0	5.791066069	
0.010513975	1	TAS2R6P 7	141787815	141788640	
+	826	processed_pseudogene	taste 2 receptor		
member 6 pseudogene [Source:HGNC Symbol;Acc:HGNC:20616]	-			13	
19	4	0	0	0	0.760964718
1.002379443	0.226061175	0	0	0	
ENSG00000170345	101.9567287	160.0957144	159.0990267		
544.4221628	133.3323768	243.7178074	140.3838233		
307.157449	-1.129471827	0.010521147	1	FOS	14
75278774	75282230	+	3238	protein_coding	
"Fos proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796]"		TF_bZIP	106	184	171
494	110	264	1.582815292	2.47627901	
2.465274604	8.477389706	2.088157253	3.791037676		
ENSG00000196689	142.3546778	87.00854042	93.04036652		
46.28690453	54.54506323	19.38664377	107.4678616		
40.07287051	1.429603262	0.010521671	1	TRPV1	17
3565444	3609411	-	5519	protein_coding	transient
receptor potential cation channel subfamily V member 1 [Source:HGNC Symbol;Acc:HGNC:12716]		-	148	100	100 42 45
21	1.296589612	0.789583753	0.84583498		
0.42286422	0.501186633	0.176925291			
ENSG00000108107	28205.46332	29720.37724	30192.52934		

30125.06036	38505.17831	40552.24289	29372.78997		
36394.16052	-0.309241381	0.01052622	0.134686665	RPL28	
19	55385345	55403250	+ 6933		
protein_coding	ribosomal protein L28 [Source:HGNC				
Symbol;Acc:HGNC:10330]	-	29324 34158	32451 27335	31767	
43927	204.5046687	214.6989061	218.500744		
219.0836267	281.6452058	294.605847			
ENSG00000166226	6545.42961	6732.720858	7371.588239		
8310.703501	8896.90587	7859.899287	6883.246236		
8355.836219	-0.279574712	0.010542191	0.134686665	CCT2	
12	69585334	69601570	+ 4322		
protein_coding	chaperonin containing TCP1 subunit 2 [Source:HGNC				
Symbol;Acc:HGNC:1615]	-	6805 7738	7923 7541	7340	
8514	76.12802859	78.01939182	85.5757924		
96.95187709	104.3899423	91.59671561			
ENSG00000100401	6147.221255	4230.355235	4933.000233		
5319.687813	6799.951216	8666.752938	5103.525574		
6928.797322	-0.441336227	0.01056366	0.134686665		
RANGAP1 22	41245611	41286251	- 5348		
protein_coding	Ran GTPase activating protein 1 [Source:HGNC				
Symbol;Acc:HGNC:9854]	-	6391 4862	5302 4827	5610	
9388	57.78014607	39.61705183	46.28010767		
50.15311867	64.47907861	81.62302773			
ENSG00000185022	567.4949993	586.4375625	664.3082169		
836.470489	792.7215857	877.0148371	606.0802596		
835.4023039	-0.463316557	0.01058187	1 MAFF 22		
38200767	38216511	+ 5615	protein_coding		
MAF bZIP transcription factor F [Source:HGNC					
Symbol;Acc:HGNC:6780]	TF_bZIP	590 674	714 759	654	
950	5.080465044	5.230807451	5.936008129		
7.511108905	7.159378908	7.866922337			
ENSG00000107186	1190.777643	814.3999384	941.5685092		
781.3670312	684.8435717	587.1383541	982.2486967		
684.4496523	0.521458145	0.01062813	1 MPDZ 9		
13105704	13279590	- 11273	protein_coding		
multiple PDZ domain crumbs cell polarity complex component					
[Source:HGNC Symbol;Acc:HGNC:7208]	-	1238 936	1012		
709	565 636	5.309851241	3.618219747		
4.190704528	3.494771391	3.080748892	2.623304032		
ENSG00000261423	1.923711862	54.81538047	0 0		
1.212112516	0 18.91303078	0.404037505	5.622808348		
0.010650917	1 TMEM202-AS1	15 72407778			
72475168	- 2713 lincRNA	TMEM202 antisense RNA			
1 [Source:HGNC Symbol;Acc:HGNC:53265]	-	2 63 0			
0 1 0	0.035643588	1.011927395	0		
0 0.022656748	0				
ENSG00000183691	0 9.570939447	0 7.714484088			
44.8481631	56.31358428	3.190313149			
36.29207716	-3.493320484	0.010656746	1 NOG 17		
56593699	56595590	+ 1892	protein_coding		

noggin [Source:HGNC Symbol;Acc:HGNC:7866]	-	0				
11	0	7	37	61	0	0.253355392
0	0.20558383		1.202065		1.49913147	
ENSG00000169976	1952.56754		1699.276794		2059.913715	
2061.97139	2671.495986		2772.290059		1903.91935	
2501.919145	-0.394303883		0.010674352		1	SF3B5 6
144094881	144095573		-		693	protein_coding
splicing factor 3b subunit 5 [Source:HGNC						
Symbol;Acc:HGNC:21083]	-	2030	1953		2214	1871 2204
3003	141.6328583		122.808268		149.1387222	
150.0211867	195.4905263		201.4898232			
ENSG00000278384	267.3959488		267.1162191		551.7293735	
139.9627827	231.5134906		210.4835609		362.0805138	
193.9866114	0.900394848		0.010693164		1	AL354822.1
GL000218.1	51867	54893	-		3027	protein_coding
	-	278	307	593	127	191 228
4.440517556	4.419616154		9.14509683		2.331327806	
3.878540283	3.502300807					
ENSG00000108465	317.4124572		239.2734862		349.8317781	
185.1476181	189.0895525		162.4785382		302.1725738	
178.9052363	0.756757717		0.010715783		1	CDK5RAP3
17	47967810		47981774		+	6070
protein_coding	CDK5 regulatory subunit associated protein 3					
[Source:HGNC Symbol;Acc:HGNC:18673]	-		330	275		376
168	156	176	2.628611874		1.974252063	
2.891646432	1.537916068		1.579731461		1.348202086	
ENSG00000214078	2324.805785		2443.199815		2943.797197	
3270.941253	3643.610224		2982.77362		2570.600932	
3299.108366	-0.359678511		0.010739037		0.135147702	CPNE1
20	35626031		35664956		-	3608
protein_coding	copine 1 [Source:HGNC Symbol;Acc:HGNC:2314]					-
2417	2808	3164	2968	3006	3231	32.39002909
33.91479313	40.93699706		45.70980951		51.2117725	
41.63911086						
ENSG00000213593	2607.591429		2359.671616		2580.939767	
2972.280512	3261.794781		3127.711861		2516.067604	
3120.595718	-0.310672732		0.010747039		0.135147702	TMX2
11	57712600		57740973		+	2246
protein_coding	thioredoxin related transmembrane protein 2					
[Source:HGNC Symbol;Acc:HGNC:30739]	-		2711	2712		2774
2697	2691	3388	58.36076582		52.61850818	
57.65576523	66.72417891		73.64636331		70.13982337	
ENSG00000187726	20.19897455		20.0119643		0	0
0	13.40364628		0	6.086559901	0.010771603	
1	DNAJB13 11		73950319		73970366	+
3475	protein_coding	DnaJ heat shock protein family (Hsp40)				
member B13 [Source:HGNC Symbol;Acc:HGNC:30718]	-		21	23		
0	0	0	0	0.292190238	0.288424152	
0	0	0	0			
ENSG00000105364	1434.127193		1417.369124		1703.569111	

1768.820994	1901.804538	2377.171795	1518.355143			
2015.932443	-0.409469796	0.010799354	1	MRPL4	19	
10251901	10260045	+	4070	protein_coding		
mitochondrial ribosomal protein L4 [Source:HGNC						
Symbol;Acc:HGNC:14276]	-	1491	1629	1831	1605	1569
2575	17.7126871	17.44155785	21.00099981			
21.91253744	23.69604656	29.41804732				
ENSG00000275956	0	0	25.34759057	0		
12.00125567	0	12.44961541	-6.202194825	0.010855044		
1	AC104446.1	3	52732547	52733867		
+	1321	processed_pseudogene	zinc finger protein			
610 (ZNF610)	pseudogene	-	0	0	23	0
13	0	0	0	0.967469009	0	
0.457584761						
ENSG00000134253	362.619686	270.5965607	231.6705126			
152.0855434	162.4230772	184.6347025	288.2955864			
166.3811077	0.791858609	0.0108564	1	TRIM45	1	
117111060	117122587	-	4368	protein_coding		
tripartite motif containing 45 [Source:HGNC						
Symbol;Acc:HGNC:19018]	-	377	311	249	138	134
200	4.173111004	3.102675505	2.661109548			
1.75553099	1.885686661	2.129013347				
ENSG00000151240	622.3207873	780.4666076	693.1507306			
486.0124975	450.9058561	531.7479433	698.6460418			
489.5554323	0.512541263	0.010912686	1	DIP2C	10	
274190	689668	-	8563	protein_coding	disco	
interacting protein 2 homolog C [Source:HGNC Symbol;Acc:HGNC:29150]						
-	647	897	745	441	372	576
3.653251347	4.564835132	4.061405612	2.861703859			
2.670326441	3.12771777					
ENSG00000124788	534.7918976	448.9640686	405.655998			
252.3738366	264.2405286	363.730364	463.1373214			
293.4482431	0.656371828	0.010916025	1	ATXN1	6	
16299112	16761491	-	17812	protein_coding		
ataxin 1 [Source:HGNC Symbol;Acc:HGNC:10548]						
516	436	229	218	394	1.509257427	556
1.262396009	1.142667404	0.714389133	0.752300183			
1.028524292						
ENSG00000203786	0	0	0	8.816553243	15.75746271	
5.539041076	0	10.03768568	-5.887970839			
0.010954849	1	KPRP	1	152759561	152762052	
+	2492	protein_coding	keratinocyte proline rich			
protein [Source:HGNC Symbol;Acc:HGNC:31823]						
0	8	13	6	0	0	0
0.178383217	0.320658439	0.111952612				
ENSG00000169228	66.36805924	97.44956528	152.5862011			
26.44965973	26.66647536	60.00627833	105.4679419			
37.70747114	1.477060735	0.01096849	1	RAB24	5	
177301198	177303744	-	2065	protein_coding		
"RAB24, member RAS oncogene family [Source:HGNC						

Symbol;Acc:HGNC:9765]"	-	69	112	164	24	22
65	1.615586633	2.363505212	3.707403263			
0.645807716	0.654862294	1.463606464				
ENSG00000280300	0	0	7.714484088	10.90901265		
11.07808215	0	9.900526296	-5.870648489			
0.011003258	1	AC117503.4	12	123754246		
123754794	-	549	TEC	novel transcript		-
0	0	0	7	9	12	0
0	0.708496549	1.007668135	1.016342109			
ENSG00000143933	5408.5159	6100.168769	5380.524396			
7023.486727	6747.830378	6690.238447	5629.736355			
6820.518518	-0.276732905	0.011107693	0.13873282	CALM2		
2	47160082	47176601	-	6466		
protein_coding	calmodulin 2 [Source:HGNC Symbol;Acc:HGNC:1445] -					
5623	7011	5783	6373	5567	7247	42.04686299
47.25011443	41.75067755	54.76716518	52.92158968			
52.11390047						
ENSG00000075240	403.979491	401.9794568	366.5790441			
254.5779749	267.8768661	240.0251133	390.8459973			
254.1599848	0.621565276	0.011139169	1	GRAMD4	22	
46576012	46679790	+	4885	protein_coding		
	GRAM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:29113]					
-	420	462	394	231	221	260
4.157056611	4.121316855	3.765110179	2.627601224			
2.780834007	2.474798237					
ENSG00000121653	657.9094568	526.4016696	834.5720877			
656.8332166	1368.475031	1145.658329	672.9610713			
1056.988859	-0.651386008	0.011139862	1	MAPK8IP1		
11	45885651	45906465	+	3498		
protein_coding	mitogen-activated protein kinase 8 interacting protein					
1 [Source:HGNC Symbol;Acc:HGNC:6882]	-	684	605	897		
596	1129	1241	9.454477074	7.536924542		
11.97067593	9.46756942	19.83907855	16.4961651			
ENSG00000213918	782.9507278	624.7213202	543.3557405			
398.9490343	489.6934566	431.1220304	650.3425962			
439.9215071	0.564250547	0.011190202	1	DNASE1	16	
3611728	3680143	+	13801	protein_coding		
deoxyribonuclease 1 [Source:HGNC Symbol;Acc:HGNC:2956]	-	814				
718	584	362	404	467	2.851773739	
2.267109444	1.975369423	1.457505017	1.799360446			
1.573393468						
ENSG00000237649	541.5248891	683.8871277	476.3666766			
1165.989166	832.7212987	622.2189476	567.2595645			
873.6431376	-0.622173977	0.011282534	1	KIFC1	6	
33391536	33409924	+	3345	protein_coding		
	kinesin family member C1 [Source:HGNC Symbol;Acc:HGNC:6389]					
-	563	786	512	1058	687	674
8.137921369	10.23964786	7.145290245	17.57525315			
12.62431944	9.369033516					
ENSG00000278900	13.46598303	9.570939447	8.373632987	0		

0	0	10.47018516	0	5.729831957		
0.011304236	1	AC139792.2	5	34105750		
34106336	-	587	TEC	TEC	-	14 11
9	0	0	0	1.153164199	0.816607157	
0.715732015	0	0	0			
ENSG00000196704	1664.972616	1900.266523		1488.645864		
2046.542422	2081.19719	2452.872023		1684.628335		
2193.537212	-0.381048515	0.011348259		1	AMZ2	17
68247574	68257164	+		4214	protein_coding	
archaelysin family metalloproteinase 2 [Source:HGNC						
Symbol;Acc:HGNC:28041]	-	1731	2184	1600	1857	1717
2657	19.86112081	22.58482348		17.72439774		
24.48665239	25.04512042	29.31757476				
ENSG00000226797	5.771135586	5.220512425		21.3992843		0
0	0	10.79697744	0	5.77414574		
0.011393896	1	AC005828.1	17	63381231		
63414312	-	524	antisense	"novel transcript,		
antisense to TANC2"	-	6	6	23	0	0
0	0.553631994	0.498974741		2.049002956		0
0	0					
ENSG00000250374	51.94022027	0	0	0	0	0
17.31340676	0	6.454734987		0.011416179		1
TRIM75P	4	165053864	165060554	+		1840
protein_coding "tripartite motif containing 75, pseudogene						
[Source:HGNC Symbol;Acc:HGNC:32686]"						
0	0	0	1.418982872	0	0	0
0	0					
ENSG00000072832	588.6558297	406.3298838		486.6011169		
309.6814327	283.6343288	365.576711		493.8622768		
319.6308242	0.626049875	0.011480359		1	CRMP1	4
5748084	5893058	-	5823	protein_coding	collapsin	
response mediator protein 1 [Source:HGNC Symbol;Acc:HGNC:2365]						
612	467	523	281	234	396	5.081662859
3.494851189	4.19276899	2.681461547		2.47011076		
3.162127768						
ENSG00000116285	7971.861956	10676.818		7982.863447		
7118.264675	6864.19318	7193.368011		8877.181133		
7058.608622	0.330750045	0.011520727		0.142919285		ERRFI1
1	8004404	8026308	-	4186	protein_coding	ERBB
receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:18185]						
-	8288	12271	8580	6459	5663	7792
95.73081029	127.7436526	95.68284934		85.73893886		
83.15621201	86.55272348					
ENSG00000222009	388.5897961	323.6717704		423.3336677		
293.1503953	204.8470153	197.5591317		378.5317447		
231.8521808	0.707494217	0.011605235		1	BTBD19	1
44808482	44815585	+		3520	protein_coding	
BTB domain containing 19 [Source:HGNC Symbol;Acc:HGNC:27145]						
-	404	372	455	266	169	214
5.549321905	4.60531005	6.034131481		4.199049718		

2.951150796	2.826845858						
ENSG00000182054	958.0085072	1026.700777	1074.616233				
1423.873349	1618.170209	1119.809471	1019.775173				
1387.284343	-0.443136154	0.011622735	1	IDH2	15		
90083045	90102504	-	2814	protein_coding			
"isocitrate dehydrogenase (NADP(+)) 2, mitochondrial							
[Source:HGNC Symbol;Acc:HGNC:5383]"							
1292	1335	1213	17.11340632	18.27328013	1155		
19.16037157	25.51234999	29.16114234	20.04323073				
ENSG00000257022	34.62681351	6.09059783	0	0	0		
0	13.57247045	0	6.103563794	0.011636082			
1	AC008250.1	12	21827210	21887957			
+	522	antisense	novel transcript	-			
36	7	0	0	0	3.334519137		
0.584367608	0	0	0	0			
ENSG00000175063	516.5166349	589.0478187	641.978529				
1276.196082	1020.598739	515.1308201	582.5143275				
937.3085469	-0.685288343	0.011683126	1	UBE2C	20		
45812576	45816957	+	1286	protein_coding			
ubiquitin conjugating enzyme E2 C [Source:HGNC							
Symbol;Acc:HGNC:15937]							
558	20.189917	22.94068057	690	1158	842		
50.03566019	40.24560711	20.17549731	25.04691016				
ENSG00000273291	4.809279655	16.53162268	10.23444032	0			
0	0	10.52511422	0	5.738461881			
0.011828196	1	AC092042.3	3	42809446			
43055871	+	1654	protein_coding	novel protein	-		
5	19	11	0	0	0.146162417		
0.500583688	0.310458258	0	0	0			
ENSG00000071282	209.6845929	166.1863122	169.3334671				
262.292459	316.3613668	323.1107295	181.7347907				
300.5881851	-0.72659899	0.011831605	1	LMCD1	3		
8501707	8574673	+	9130	protein_coding	LIM and		
cysteine rich domains 1 [Source:HGNC Symbol;Acc:HGNC:6633]							
218	191	182	238	261	350	1.154481379	
0.911635413	0.930564855	1.448499078	1.757183392				
1.782494855							
ENSG00000094804	1769.814913	1640.110987	1533.30524				
2380.469376	1779.381174	2311.626476	1647.743713				
2157.159009	-0.389099775	0.011874301	1	CDC6	17		
40287633	40304657	+	5557	protein_coding			
cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744]							
-	1840	1885	1648	2160	1468	2504	
16.00953223	14.78187602	13.84404003	21.59858988				
16.23801802	20.95197397						
ENSG00000285373	24.04639827	6.09059783	2.791210996	0			
0	0	10.97606903	0	5.797160426			
0.011883669	1	LINC02478	2	160257718			
160271880	-	614	lincRNA	long intergenic non-protein			
coding RNA 2478 [Source:HGNC Symbol;Acc:HGNC:53446]							
					-	25	

7	3	0	0	0	1.968669686		
0.496807641	0.228086153		0	0	0		
ENSG0000006007	868.5559056		1043.2324		999.2535364		
1233.215385	1185.446041		1482.616661		970.3472806		
1300.426029	-0.422855305		0.011942762		1	GDE1	16
19501689	19522145		-		4416	protein_coding	
glycerophosphodiester phosphodiesterase 1 [Source:HGNC							
Symbol;Acc:HGNC:29644]	-		903	1199	1074	1119	978
1606	9.886894548		11.83174269		11.35327748		
14.08033752	13.61310362		16.91015134				
ENSG00000104728	51.94022027		23.49230591		23.26009163		
6.612414933	7.272675098		3.692694051		32.89753927		
5.85926136	2.498183759		0.012003728		1	ARHGEF10	
8	1823976	1958641	+	10792		protein_coding	Rho
guanine nucleotide exchange factor 10 [Source:HGNC							
Symbol;Acc:HGNC:14103]	-		54	27	25	6	6
4	0.241931846		0.109023577		0.108139438		
0.030893091	0.034174068		0.017234118				
ENSG00000100412	1076.316787		1043.2324		1079.268252		
1266.27746	1506.655858		1393.992004		1066.272479		
1388.975107	-0.381308279		0.012073206		1	AC02	22
41469125	41528989		+		4041	protein_coding	
aconitase 2 [Source:HGNC Symbol;Acc:HGNC:118]							
1199	1160	1149		1243	1510	13.38882461	1119
12.92971435	13.40032016		15.79949559		18.90730537		
17.37477203							
ENSG00000179528	42.32166096		44.37435562		60.47623824		
88.16553243	133.3323768		118.1662096		49.05741827		
113.221373	-1.206386992		0.012076424		1	LBX2	2
74497517	74503316		-		2389	protein_coding	
ladybird homeobox 2 [Source:HGNC Symbol;Acc:HGNC:15525]							
Homeobox	44	51	65	80	110	128	
0.890507832	0.930277729		1.270115578		1.860740802		
2.830244112	2.491293174						
ENSG00000234091	28.85567793		1.740170808		3.721614661		0
0	0	11.43915447	0		5.856354566		
0.012093304	1	AL157392.2	10		13729383		
13756200	+	474	antisense		novel transcript		
-	30	2	4	0	0	0	
3.060159968	0.183869736		0.393937827		0	0	0
ENSG00000088986	2361.35631		2705.095522		2498.133841		
2694.559085	3687.246275		3347.427157		2521.528558		
3243.077506	-0.362893145		0.012093739		0.149020833		DYNLL1
12	120469850		120498493		+	2957	
protein_coding dynein light chain LC8-type 1 [Source:HGNC							
Symbol;Acc:HGNC:15476]	-		2455	3109	2685	2445	3042
3626	40.14222015		45.81714202		42.38761698		
45.94514036	63.23466839		57.017411				
ENSG00000158079	249.1206861		281.907671		210.2712283		
167.5145116	122.4233641		132.0138123		247.0998618		

140.6505627	0.813066953	0.012143928	1	PTPDC1	9
94030794	94109856	+	6404	protein_coding	
protein tyrosine phosphatase domain containing 1 [Source:HGNC					
Symbol;Acc:HGNC:30184]	-	259	324	226	152 101
143	1.955463245	2.204714126	1.647415515		
1.318877042	0.969432133	1.038282974			
ENSG00000170962	26.93196607	27.84273294	21.3992843		
108.0027772	59.3935133	55.39041076	25.39132777		
74.26223376	-1.547443761	0.01221908	1	PDGFD	11
103907186	104164379	-	4266	protein_coding	
platelet derived growth factor D [Source:HGNC					
Symbol;Acc:HGNC:30620]	-	28	32	23	98 49
60	0.317349923	0.32687953	0.251682501		
1.276489563	0.70602908	0.653975408			
ENSG00000173209	246.2351183	340.2033931	329.3628975		
168.6165808	190.3016651	193.8664377	305.2671363		
184.2615612	0.728414468	0.012229479	1	AHSA2P	2
61177418	61191203	+	9083		
transcribed_unitary_pseudogene "activator of HSP90 ATPase homolog 2,					
pseudogene [Source:HGNC Symbol;Acc:HGNC:20437]" - 256 391					
354	153	157	210	1.362736435	1.875884267
1.81936562	0.935996361	1.062472501	1.075031027		
ENSG00000114302	2744.174971	2672.902362	2918.676298		
3510.09026	3133.310855	3691.770877	2778.584544		
3445.057331	-0.310494679	0.012289493	0.14903889		
PRKAR2A	3	48744597	48847846	-	6644
protein_coding protein kinase cAMP-dependent type II regulatory					
subunit alpha [Source:HGNC Symbol;Acc:HGNC:9391] - 2853					
3072	3137	3185	2585	3999	20.76219972
20.14884636	22.04098154	26.63740148	23.91543495		
27.98677127					
ENSG00000130522	4753.492011	5931.372201	5704.304871		
5115.805019	8913.875445	8087.923145	5463.056361		
7372.534536	-0.43239768	0.012334218	0.14903889	JUND	
19	18279760	18281622	-	1863	
protein_coding "JunD proto-oncogene, AP-1 transcription factor					
subunit [Source:HGNC Symbol;Acc:HGNC:6206]" TF_bZIP 4942 6817					
6131	4642	7354	8761	128.2599607	159.4553286
153.6259201	138.4536231	242.6376163	218.6612586		
ENSG00000263887	132.7361185	57.42563668	13.95605498		
15.42896818	15.75746271	18.46347025	68.03927004		
16.54996705	2.037412901	0.012338068	1	AC053481.2	
17	62282702	62297026	-	1500	
transcribed_unprocessed_pseudogene ubiquitin specific peptidase					
32 (USP32) pseudogene - 138 66 15 14 13					
20	4.448248529	1.917393604	0.466816326		
0.518619474	0.532720554	0.619968687			
ENSG00000134909	1290.810659	1058.893937	1154.630949		
943.371197	855.7514365	828.0866409	1168.111848		
875.7364248	0.415622205	0.012389108	1	ARHGAP32	

11	128965060	129279324	-	12841		
protein_coding	Rho GTPase activating protein 32 [Source:HGNC					
Symbol;Acc:HGNC:17399]	-	1342	1217	1241	856	706
897	5.053065018	4.130002647		4.511479324		
3.704136329	3.379505949	3.248064278				
ENSG00000101680	7.694847448	2.610256213		3.721614661		
4.408276622	15.75746271	87.70148371		4.675572774		
35.95574101	-2.952087697	0.012414963		1	LAMA1	18
6941744	7117814	-	15872	protein_coding	laminin	
subunit alpha 1 [Source:HGNC	Symbol;Acc:HGNC:6481]			-		8
3	4	4	13	95	0.024370226	
0.008236604	0.011764524	0.014003622		0.050345314		
0.278306256						
ENSG00000285399	57.71135586	8.700854042		56.75462358		
13.22482987	0	2.769520538		41.05561116	5.331450134	
	2.942610188	0.012451697		1	AC104162.2	3
	63863155	63905838		+	5642	
bidirectional_promoter_lncRNA	novel transcript			-		60
10	61	12	0	3	0.514184979	
0.077237021	0.504711022	0.118184414		0	0.024724026	
ENSG00000162601	1505.304532	1250.312726		1212.315976		
1069.007081	1032.719864	844.7037641		1322.644411		
982.1435696	0.429988906	0.012454083		1	MYSM1	1
	58654739	58700092		-	8938	protein_coding
	"Myb like, SWIRM and MPN domains 1 [Source:HGNC					
Symbol;Acc:HGNC:29401]"	MYB	1565	1437	1303	970	852
915	8.465940426	7.006078766		6.805344285		
6.030362613	5.859311736	4.76005271				
ENSG00000142945	605.9692365	580.3469646		783.3998861		
1313.666433	848.4787614	772.6962302		656.5720291		
978.2804749	-0.575083002	0.012460807		1	KIF2C	1
	44739818	44767767		+	3646	protein_coding
	kinesin family member 2C [Source:HGNC	Symbol;Acc:HGNC:6393]				
-	630	667	842	1192	700	837
8.354589227	7.972008762	10.78056352		18.16651554		
11.80126971	10.67431001					
ENSG00000067715	25.0082542	0	13.95605498	0	0	
0	12.98810306	0	6.039946592	0.012506358		
1	SYT1	12	78863993	79452008		+
6494	protein_coding	synaptotagmin 1 [Source:HGNC				
Symbol;Acc:HGNC:11509]	-	26	0	15	0	0
0	0.1935808	0	0.107826376	0	0	
0						
ENSG00000227953	26.93196607	2.610256213		3.721614661		0
0	0	11.08794565	0	5.811431752		
0.012567444	1	LINC01341	1	246776013		
246792385	+	3984	processed_transcript	long		
intergenic non-protein coding RNA 1341 [Source:HGNC						
Symbol;Acc:HGNC:49457]	-	28	3	4	0	0
0	0.339812944	0.032814102		0.046869109		0

0	0						
ENSG00000219992	0	0	0	0	4.848450065		
32.31107295	0	12.38650767		-6.197594429	0.012625591		
1	AL391422.1	6		3754099	3754840	+	436
	processed_pseudogene						
pseudogene	-	0	0	0	0	4	35
0	0	0	0	0.563924369	3.732609639		
ENSG00000116539	2928.85131	2306.596407		2838.661582			
2381.571445	1984.228189	1840.807984		2691.369766			
2068.869206	0.379587438	0.012632179		0.14903889			ASH1L
1	155335268	155562807		-	13296		
	protein_coding						
	ASH1 like histone lysine methyltransferase						
	[Source:HGNC Symbol;Acc:HGNC:19088]			Others	3045	2651	3051
	2161	1637	1994	11.07305627	8.688550287		
10.71191794	9.031207155	7.567893873		6.973248879			
ENSG00000267044	3.847423724	18.27179349		9.304036652			0
0	0	10.47441795	0	5.731695034			
0.012636047	1	AC005757.1	19	45135993			
45136977	-	472	antisense	"novel transcript,			
antisense to PPP1R37"	-	4	21	10	0	0	
0	0.409750233	1.93881287		0.989017639			0
0	0						
ENSG00000123136	3272.233877	2756.430561		2725.152335			
3280.859876	3653.307124	4186.59188		2917.938924			
3706.919627	-0.34558892	0.012645182		0.14903889			DDX39A
19	14408819	14419383		-	3840		
	protein_coding						
	DExD-box helicase 39A [Source:HGNC						
	Symbol;Acc:HGNC:17821]	-	3402	3168	2929	2977	3014
	4535	42.83554545	35.95113007	35.6069015			
43.07840887	48.24578574	54.91324207					
ENSG00000127824	1723.645828	1580.94518		1257.905755			
1801.883069	2078.772965	2131.607641		1520.832254			
2004.087892	-0.398211739	0.012658296		1	TUBA4A	2	
	219249711	219278170		4079	protein_coding		
	tubulin alpha 4a [Source:HGNC Symbol;Acc:HGNC:12407]						
	1792	1817	1352	1635	1715	2309	21.24151637
	19.41153234	15.47280393		22.27286554		25.84388377	
	26.32093094						
ENSG00000264853	18.27526269	12.18119566		1.86080733			0
0	0	10.77242189	0	5.770909103			
0.012666203	1	AC011933.2	17	75370947			
75373736	-	2790	sense_intronic	"novel transcript,			
sense intronic to GRB2"	-	19	14	2	0	0	
0	0.329268825	0.218666589		0.033463536			0
0	0						
ENSG00000168496	2643.180098	2916.526275		3347.592387			
3718.38133	3359.975895	4283.525099		2969.099587			
3787.294108	-0.351433475	0.012666476		0.14903889			FEN1
11	61792637	61797244		+	2478		
	protein_coding						
	flap structure-specific endonuclease 1 [Source:HGNC						

Symbol;Acc:HGNC:3650]	-	2748	3352	3598	3374	2772
4640	53.61874477	58.94694548		67.78067552		
75.6581678	68.76054086	87.0658204				
ENSG00000177600	9581.046928	10849.09491		13170.79428		
11489.07095	15705.34187	16311.5528		11200.31204		
14501.98854	-0.372732077	0.012675616		0.14903889		RPLP2
11	809647	812880	+	1955		protein_coding
ribosomal protein lateral stalk subunit P2 [Source:HGNC						
Symbol;Acc:HGNC:10377]	-	9961	12469	14156	10425	12957
17669	246.3527388	277.9351412		338.0180002		
296.3066139	407.3850217	420.2388769				
ENSG00000270392	171.2103557	46.98461183		92.10996285		
20.93931395	33.93915046	50.7745432		103.4349768		
35.2176692	1.54947235	0.012680999		1	PFN1P2	1
120432204	120434052	-		1849		
transcribed_processed_pseudogene profilin 1 pseudogene 2						
[Source:HGNC Symbol;Acc:HGNC:24298]	-			178	54	99
19	28	55	4.654620819	1.272668944		
2.499449228	0.570990304	0.930825946		1.383110239		
ENSG00000242615	11.54227117	8.700854042		10.23444032		0
0	0	10.15918851	0	5.686349324		
0.01274374	1	AC022415.1	19	12141806		
12143322	-	1517	transcribed_processed_pseudogene			
ribosomal protein L17 (RPL17) pseudogene - 12						
10	11	0	0	0	0.382469565	
0.287258585	0.338495688	0	0	0		
ENSG00000279381	17.31340676	13.05128106		1.86080733		0
0	0	10.74183172	0	5.766925404		
0.012751144	1	CR392039.1	21	9088188	9088391	+
204	processed_pseudogene "ankyrin repeat domain 20					
family, member A2 (ANKRD20A2) pseudogene" - 18 15						
2	0	0	0	4.266223014	3.204200541	
0.457663064	0	0	0			
ENSG00000188986	1993.927345	2332.698969		2272.976154		
2414.63352	2825.434276	3275.419623		2199.867489		
2838.495806	-0.36792184	0.012765252		0.14903889		NELFB
9	137255173	137273546		+	2698	
protein_coding negative elongation factor complex member B						
[Source:HGNC Symbol;Acc:HGNC:24324]	-			2073	2681	2443
2191	2331	3548	37.14997906	43.30254946		
42.26954349	45.1245076	53.10650102		61.14665216		
ENSG00000198393	1240.794151	1182.446064		1082.989866		
918.0236065	752.7218726	943.48333		1168.743361		
871.409603	0.422729135	0.012789294		1	ZNF26	12
132986365	133032952	+		20863	protein_coding	
zinc finger protein 26 [Source:HGNC Symbol;Acc:HGNC:13053]						
zf-C2H2	1290	1359	1164	833	621	1022
2.989607461	2.838581032	2.604487384		2.21860653		
1.829625491	2.277745283					
ENSG00000179950	6893.621457	5866.115795		6873.822278		

6736.948747	8559.93859	9752.404988	6544.519844		
8349.764109	-0.351598219	0.012793583	0.14903889	PUF60	
8	143816344	143829859	-	5424	
protein_coding	poly(U) binding	splicing factor	60	[Source:HGNC	
Symbol;Acc:HGNC:17042]	-	7167 6742	7388 6113	7062	
10564	63.88794811	54.16611221	63.58479007		
62.62485864	80.03047464	90.56069145			
ENSG00000065923	618.4733636	448.9640686	545.2165478		
425.398694	349.0884047	268.6434922	537.5513267		
347.710197	0.629452949	0.012863491	1	SLC9A7	X
46599252	46759172	-	10033	protein_coding	
solute carrier family 9	member A7	[Source:HGNC			
Symbol;Acc:HGNC:17123]	-	643 516	586 386	288	
291	3.098713164	2.241183865	2.726546066		
2.137807203	1.764448698	1.348631176			
ENSG00000103888	233.7309912	110.5008463	138.6301461		
87.06346328	69.09041343	71.08436048	160.9539946		
75.74607906	1.08673402	0.012892635	1	CEMIP	15
80779343	80951776	+	7621	protein_coding	
cell migration inducing	hyaluronidase 1	[Source:HGNC			
Symbol;Acc:HGNC:29213]	-	243 127	149 79	57	
77	1.54168458	0.726190155	0.912683801		
0.57600622	0.459737843	0.469796505			
ENSG00000166508	5846.160348	5507.640609	6602.144408		
6992.628791	7397.522687	7432.469951	5985.315122		
7274.207143	-0.28141304	0.012906987	0.14903889	MCM7	
7	100092728	100101940	-	4386	
protein_coding	minichromosome maintenance complex component 7				
[Source:HGNC	Symbol;Acc:HGNC:6950]	-	6078 6330	7096	
6345	6103 8051	67.00285137	62.89175015		
75.52504893	80.38500493	85.53071505	85.35170821		
ENSG00000166262	94.26188123	155.7452874	129.3261095		
54.00138862	43.63605059	71.08436048	126.444426		
56.24059989	1.165628903	0.012928899	1	FAM227B	15
49326962	49620931	-	6020	protein_coding	
family with sequence similarity 227	member B	[Source:HGNC			
Symbol;Acc:HGNC:26543]	-	98 179	139 49	36	
77	0.78710161	1.29573186	1.077864938		
0.452284425	0.367581266	0.594737403			
ENSG00000132646	2855.750259	2881.722859	2807.958262		
3891.406188	3381.79392	3287.420879	2848.477126		
3520.206996	-0.305364897	0.012983369	0.14903889	PCNA	
20	5114953 5126626	-	1471	protein_coding	
proliferating cell nuclear antigen	[Source:HGNC	Symbol;Acc:HGNC:8729]			
-	2969 3312	3018 3531	2790 3561		
97.58852218	98.11519089	95.77509657	133.381958		
116.5839836	112.5616159				
ENSG00000116668	272.2052285	296.6991228	280.9819069		
115.7172613	173.3320898	202.1749993	283.2954194		
163.7414501	0.789563705	0.012983754	1	SWT1	1

185157080	185291765	+	4054	protein_coding	
"SWT1, RNA endoribonuclease homolog [Source:HGNC					
Symbol;Acc:HGNC:16785]"	-	283	341	302	105 143
219	3.375234159	3.665466312	3.477516781		
1.439188229	2.168201564	2.511836625			
ENSG00000156697	2717.243005	2425.798107	3016.368683		
3396.577137	3391.490821	3372.352842	2719.803265		
3386.806933	-0.316510533	0.012988139	0.14903889	UTP14A	
X	129906121	129929761	+	4087	
protein_coding	"UTP14A, small subunit processome component				
[Source:HGNC Symbol;Acc:HGNC:10665]"	-	2825	2788	3242	
3082	2798	3653	33.42066067	29.726702	
37.03005939	41.90251019	42.08142449	41.56004916		
ENSG00000233554	0	0	0	21.81802529	
13.84760269	0	11.88854266	-6.133735653	0.013008873	
1	B4GALT1-AS1	9	33166975	33179983	
+	843	antisense	B4GALT1 antisense RNA 1		
[Source:HGNC Symbol;Acc:HGNC:49910]	-	0	0	0	
0	18	15	0	0	
1.31247878	0.827360347				
ENSG00000145757	0	33.93333077	5.582421991	0	0
0	13.17191759	0	6.062625243	0.013017237	
1	SPATA9	5	95652181	95698711	-
2811	protein_coding	spermatogenesis associated 9			
[Source:HGNC Symbol;Acc:HGNC:22988]	-	0	39	6	
0	0	0	0	0.604591948	0.099640624
0	0	0			
ENSG00000196747	17.31340676	4.350427021	9.304036652	0	
0	0	10.32262348	0	5.708675866	
0.013115455	1	HIST1H2AI	6	27808199	
27808701	+	503	protein_coding	histone cluster 1 H2A	
family member i	[Source:HGNC Symbol;Acc:HGNC:4725]	-	18		
5	10	0	0	1.730237564	
0.43317224	0.928064266	0	0	0	
ENSG00000267493	48.09279655	10.44102485	32.56412828		
3.306207466	0	7.385388102	30.36598323	3.563865189	
3.057712436	0.013136652	1	CIRBP-AS1	19	
1267814	1270241	-	994	antisense	CIRBP
antisense RNA 1	[Source:HGNC Symbol;Acc:HGNC:28588]	-	50		
12	35	3	0	8	2.432119089
0.52608202	1.643719456	0.167705349	0	0.374226571	
ENSG00000137776	1831.373693	1489.586212	1836.616835		
1291.62505	1427.868544	1242.591548	1719.192247		
1320.695047	0.380680145	0.013187525	1	SLTM	15
58879045	58933653	-	8157	protein_coding	
SAFB like transcription modulator [Source:HGNC					
Symbol;Acc:HGNC:20709]	-	1904	1712	1974	1172 1178
1346	11.28593899	9.146014715	11.29698942		
7.983791617	8.876917596	7.67265403			
ENSG00000267016	7.694847448	8.700854042	13.95605498	0	

0	0	10.11725216	0	5.680584488		
0.013212438	1	AC111170.1	17	77469162		
77472770	-	1132	antisense	"novel transcript,		
antisense to SEPT9"	-	8	10	15	0	0
0	0.341699841	0.384956955	0.61857287	0		
0	0					
ENSG00000108298	28055.41379	28787.64568	31948.20106			
32428.3849	37093.06722	36819.85238	29597.08684			
35447.1015	-0.260215697	0.013236812	0.150948991	RPL19		
17	39200283	39204732	+	1761		
protein_coding	ribosomal protein L19 [Source:HGNC					
Symbol;Acc:HGNC:10312]	-	29168	33086	34338	29425	30602
39884	800.84508	818.7352843	910.2520719			
928.4727439	1068.1637	1053.101836				
ENSG00000269321	16.35155083	8.700854042	5.582421991	0		
0	0	10.21160895	0	5.693533345		
0.013261444	1	AC011466.2	19	48145908		
48147413	+	359	antisense	"novel transcript,		
antisense to LIG1"	-	17	10	6	0	0
0	2.289579296	1.213847559	0.780194416	0		
0	0					
ENSG00000155275	211.6083048	379.3572363	246.5569713			
166.4124425	147.877727	161.5553647	279.1741708			
158.6151781	0.815887304	0.013289341	1	TRMT44	4	
8436140	8493531	+	7724	protein_coding	tRNA	
methyltransferase 44 homolog	[Source:HGNC	Symbol;Acc:HGNC:26653]				
-	220	436	265	151	122	175
1.377151223	2.459817132	1.601583717	1.086292362			
0.970878594	1.053481229					
ENSG00000033867	2067.028396	1969.873355	1925.005183			
1837.149282	1441.201782	1067.188581	1987.302311			
1448.513215	0.456849326	0.013299298	1	SLC4A7	3	
27372721	27484420	-	9616	protein_coding		
solute carrier family 4 member 7	[Source:HGNC					
Symbol;Acc:HGNC:11033]	-	2149	2264	2069	1667	1189
1156	10.80545794	10.25983947	10.04412414			
9.632814316	7.600370439	5.589775908				
ENSG00000235947	7.694847448	6.960683234	15.81686231	0		
0	0	10.15746433	0	5.6861333		
0.013316926	1	EGOT	3	4749192	4751590	-
1464						
lincRNA eosinophil granule ontogeny transcript	[Source:HGNC					
Symbol;Acc:HGNC:37129]	-	8	8	17	0	0
0	0.264210533	0.238126379	0.542068138	0		
0	0					
ENSG00000270083	0	0	0	17.63310649	0	
17.54029674	0	11.72446774	-6.116771561	0.013337331		
1	AL021878.2	22	42089630	42090028		
-	399	sense_intronic	"novel transcript, sense			
intronic to NDUFA6"	-	0	0	0	16	0
19	0	0	0	2.228225452	0	

2.214173881
ENSG0000038219 2366.16559 1517.428945 1713.803551
1538.488541 1267.869692 1285.980703 1865.799362
1364.112979 0.451655084 0.013345756 1 BOD1L1 4
13568738 13627723 - 15860 protein_coding
biorientation of chromosomes in cell division 1 like 1
[Source:HGNC Symbol;Acc:HGNC:31792] - 2460 1744 1842
1396 1046 1393 7.499514353 4.791835442
5.421662495 4.890961891 4.053926419 4.083936226
ENSG00000184990 780.06516 689.9777256 891.3267113
902.5946383 1069.083239 1334.908899 787.1231989
1102.195592 -0.48652321 0.013349961 1 SIVA1 14
104753100 104768494 + 4776 protein_coding
SIVA1 apoptosis inducing factor [Source:HGNC
Symbol;Acc:HGNC:17712] - 811 793 958 819 882
1446 8.21027592 7.235481992 9.363694302
9.528655535 11.35145749 14.07780655
ENSG00000163453 61.55877958 62.64614911 82.8059262
7.714484088 37.57548801 1.846347025 69.0036183
15.71210637 2.151632617 0.01339748 1 IGFBP7 4
57030773 57110385 - 1930 protein_coding
insulin like growth factor binding protein 7 [Source:HGNC
Symbol;Acc:HGNC:5476] - 64 72 89 7 31
2 1.603333554 1.625675217 2.15267632
0.201536065 0.987305929 0.048184095
ENSG00000184216 11636.53305 8818.315572 11744.48547
12540.44492 13501.72132 13991.61776 10733.11136
13344.59467 -0.314261701 0.013418559 0.152077004 IRAK1
X 154010500 154019980 - 4001
protein_coding interleukin 1 receptor associated kinase 1
[Source:HGNC Symbol;Acc:HGNC:6112] - 12098 10135 12623
11379 11139 15156 146.1996205 110.3859499
147.2787423 158.0329291 171.1295517 176.1355676
ENSG00000245648 1.923711862 30.45298915 1.86080733 0
0 0 11.41250278 0 5.856123472
0.013441382 1 AC022075.1 12 10363769
10398506 + 2830 antisense uncharacterized
LOC101928100 [Source:NCBI gene;Acc:101928100] - 2 35
2 0 0 0 0.034169984 0.538939738
0.032990553 0 0 0
ENSG00000196091 0 0 0 9.918622399 4.848450065
13.84760269 0 9.538225052 -5.81891277
0.013521584 1 MYBPC1 12 101568353 101686018
+ 7385 protein_coding "myosin binding protein C,
slow type [Source:HGNC Symbol;Acc:HGNC:7549]" - 0 0
0 9 4 15 0 0
0.067717989 0.033293301 0.094443436
ENSG00000154122 2568.155336 2513.676733 2464.639309
2175.484513 1989.076639 1905.43013 2515.490459
2023.330427 0.314270691 0.013524443 1 ANKH 5

14704800	14871785	-	12702	protein_coding
ANKH inorganic pyrophosphate transport regulator [Source:HGNC				
Symbol;Acc:HGNC:15492]	-	2670	2889	2649 1974 1641
2064	10.16343162	9.911377809	9.735446752	
8.635491948	7.941157924	7.55559382		
ENSG00000158859	242.3876946	227.9623759	157.2382194	
139.9627827	112.726464	55.39041076	209.1960966	
102.6932192	1.029950424	0.013622776	1	ADAMTS4 1
161184308	161199056	-	10334	protein_coding
ADAM metalloproteinase with thrombospondin type 1 motif 4				
[Source:HGNC Symbol;Acc:HGNC:220]	-	252	262	169
127	93	60	1.179052925	1.104819757
0.763421318	0.682884582	0.553174117	0.269968946	
ENSG00000104313	160.6299405	109.6307609	154.4470084	
284.3338421	350.3005172	161.5553647	141.5692366	
265.3965747	-0.905264325	0.013631937	1	EYA1 8
71197433	71592025	-	9418	protein_coding
EYA transcriptional coactivator and phosphatase 1 [Source:HGNC				
Symbol;Acc:HGNC:3519]	-	167	126	166 258 289
175	0.857351677	0.583002553	0.822802188	
1.522204717	1.886194685	0.863993312		
ENSG00000174373	959.9322191	658.654651	788.9823081	
633.6897644	541.8142948	504.052738	802.5230594	
559.8522657	0.519557619	0.013636855	1	RALGAP1
14	35538352	35809304	-	14258
protein_coding Ral GTPase activating protein catalytic alpha subunit				
1 [Source:HGNC Symbol;Acc:HGNC:17770]	-	998	757	848
575	447	546	3.384333458	2.313640441
2.77640794	2.240893815	1.927064597	1.780594594	
ENSG00000237854	200.0660336	174.0170808	220.5056687	
121.2276071	110.302239	96.01004532	198.196261	
109.1799638	0.861123048	0.013637066	1	LINC00674
17	68101908	68115518	+	734
transcribed_unprocessed_pseudogene long intergenic non-protein				
coding RNA 674 [Source:HGNC Symbol;Acc:HGNC:44355]	-			208
200	237	110	91	104
11.87387666	15.0729522	8.32738548	13.70151188	7.620661875
6.588223101				
ENSG00000153914	1559.168464	1401.707586	1465.385773	
1158.274682	1198.779279	1088.421572	1475.420608	
1148.491844	0.361663487	0.01366611	1	SREK1 5
66139971	66183615	+	18240	protein_coding
splicing regulatory glutamic acid and lysine rich protein 1				
[Source:HGNC Symbol;Acc:HGNC:17882]	-	1621	1611	1575
1051	989	1179	4.296941067	3.848835097
4.030897548	3.201768486	3.332873405	3.005522539	
ENSG00000241685	467.4619824	509.8700469	612.2056117	
730.67185	722.4190597	771.7730566	529.8458803	
741.6213221	-0.485301199	0.013708359	1	ARPC1A 7
99325910	99366262	+	2053	protein_coding

actin related protein 2/3 complex subunit 1A [Source:HGNC						
Symbol;Acc:HGNC:703]	-	486	586	658	663	596
836	11.44586282	12.43847863	14.9617702			
17.94471737	17.84451179	18.93426043				
ENSG00000152234	3872.431978	4085.050973	3739.29233			
5780.35272	5025.418493	4055.501241	3898.925094			
4953.757485	-0.345185812	0.013746245	0.154835001			
ATP5F1A 18	46080248	46104334	-	10908		
protein_coding ATP synthase F1 subunit alpha [Source:HGNC						
Symbol;Acc:HGNC:823]	-	4026	4695	4019	5245	4146
4393	17.84554673	18.75638182	17.19962241			
26.71852055	23.36315707	18.72608939				
ENSG00000089685	720.4300923	579.4768792	757.3485835			
1639.878903	878.7815743	713.6131253	685.7518517			
1077.424534	-0.651622034	0.013755778	1	BIRC5	17	
78214186	78225636	+	3815	protein_coding		
baculoviral IAP repeat containing 5 [Source:HGNC						
Symbol;Acc:HGNC:593]	-	749	666	814	1488	725
773	9.49267237	7.607435601	9.96037979			
21.67306994	11.6812905	9.421411431				
ENSG00000225137	92.33816937	81.788028	63.26744923			
136.6565753	151.5140645	182.7883555	79.13121553			
156.9863318	-0.989382051	0.013763536	1	DYNC1I2P1		
10	50264978	50266815	+	1838		
processed_pseudogene dynein cytoplasmic 1 intermediate chain 2						
pseudogene 1 [Source:HGNC	Symbol;Acc:HGNC:45012]	-				96
94	68	124	125	198	2.525381197	
2.228645251	1.727068016	3.748765045	4.180342507			
5.00899619						
ENSG00000272072	76.94847448	15.66153728	33.49453195			
2.204138311	0	14.7707762	42.0348479	5.658304838		
2.860999483	0.013796973	1	AC004492.1	7		
107192559	107193300	-	742	antisense		
"novel transcript, antisense to HBP1"						
36	2	0	16	5.212994878	1.057127079	
2.264877051	0.149774588	0	1.002644776			
ENSG00000172247	0	0	45.18483537	0	0	
0	15.06161179	-6.475208128	0.013820462	1		
C1QTNF4 11	47589664	47594659	-	1664		
protein_coding C1q and TNF related 4 [Source:HGNC						
Symbol;Acc:HGNC:14346]	-	0	0	0	41	0
0	0	0	1.369123354	0	0	
ENSG00000041353	1002.25388	1273.805032	1168.587003			
1974.907927	1517.56487	1257.362324	1148.215305			
1583.278374	-0.46296114	0.013832265	1	RAB27B	18	
54717860	54895516	+	7432	protein_coding		
"RAB27B, member RAS oncogene family [Source:HGNC						
Symbol;Acc:HGNC:9767]"	-	1042	1464	1256	1792	1252
1362	6.778962547	8.58408429	7.889145652			
13.39813496	10.35490188	8.521232689				

ENSG00000261315	17.31340676	0	20.46888063	0	0
0	12.5940958	0	5.995690563	0.013843036	
1	LARP4P 15	36617089	36619265		+
2177	transcribed_processed_pseudogene		La		
ribonucleoprotein domain family member 4 pseudogene [Source:HGNC Symbol;Acc:HGNC:21438]	-	18	0	22	0
0	0.399774688	0	0.471748239	0	0
0					
ENSG00000159792	1130.180719	1128.500769	1122.997224		
1184.724342	1558.776696	1840.807984	1127.226237		
1528.103007	-0.439439198	0.013853337	1	PSKH1	16
67893272	67929678	+	3977	protein_coding	
protein serine kinase H1 [Source:HGNC Symbol;Acc:HGNC:9529]	-	1175	1297	1207	1075
				1286	1994
14.28510682	14.21160025	14.16764659	15.01982653		
19.87617161	23.31312977				
ENSG00000248428	0	0	15.42896818	0	
19.38664377	0	11.60520398	-6.102394039	0.013890485	
1	AC010395.1	5	110970951	111008899	
-	697	lincRNA novel transcript	-	0	
0	0	14	0	21	0
0	0	0	0	0	0
1.116110776	0	1.400933546			
ENSG00000230160	0	0	5.510345777	14.5453502	
8.308561615	0	9.454752529	-5.802673244		
0.013991975	1	AC004854.1	7	44919669	
44920329	+	349	processed_pseudogene	mitochondrial	
ribosomal protein S23 (MRPS23) pseudogene	-	0	0	0	0
0	5	12	9	0	0
0.796079831	2.113504512	1.199079838			
ENSG00000115361	3.847423724	4.350427021	23.26009163	0	
0	0	10.48598079	0	5.732003701	
0.014020886	1	ACADL 2	210187939	210225491	
-	4383	protein_coding	acyl-CoA dehydrogenase long		
chain [Source:HGNC Symbol;Acc:HGNC:88]	-	4	5	25	
0	0	0	0.04412551	0.04971153	
0.266265301	0	0	0		
ENSG00000126247	5730.737637	6311.599522	6216.957291		
6576.04665	8608.423091	7391.850316	6086.431483		
7525.440019	-0.306042141	0.014022147	0.156181498	CAPNS1	
19	36139575	36150353	+	3478	
protein_coding calpain small subunit 1 [Source:HGNC Symbol;Acc:HGNC:1481]	-	5958	7254	6682	5967
	8007	82.82703933	90.88800512	89.68564368	7102
95.33195599	125.515815	107.0462034			
ENSG00000145107	174.0959235	207.0803262	110.7180362		
73.83863341	88.48421369	81.23926912	163.964762		
81.18737207	1.014850776	0.014029916	1	TM4SF19 3	
196319342	196338503	-	1899	protein_coding	
transmembrane 4 L six family member 19 [Source:HGNC Symbol;Acc:HGNC:25167]	-	181	238	119	67
				73	

88	4.608449434	5.461483049	2.925283978	
1.960477587	2.362899528	2.154709496		
ENSG00000277310	11.54227117	16.53162268	2.791210996	0
0	0	10.28836828	0	5.705318155
0.014056046	1	AC090246.1	18	50256036
50256461	-	426	sense_intronic	"novel transcript,
sense intronic to CCDC11"		-	12	19 3 0
0	0	1.36198669	1.943580797	0.328743891
0	0	0		
ENSG00000228022	30.77938979	55.68546587	4.652018326	0
0	7.385388102	30.37229133	2.461796034	
3.574535235	0.014074315	1	HCG20	6 30766825
30792250	+	1371	lincRNA	HLA complex group 20
[Source:HGNC Symbol;Acc:HGNC:31334]		-	32	64 5
0	0	8	1.128531641	2.034234975
0.170246654	0	0	0.271321088	
ENSG00000141469	448.2248638	626.4614911	570.3374468	
279.9255655	439.9968434	352.6522819	548.3412672	
357.5248969	0.618110768	0.014094142	1	SLC14A1 18
45687025	45752520	+	7182	protein_coding
solute carrier family 14 member 1 (Kidd blood group)				
[Source:HGNC Symbol;Acc:HGNC:10918]		-	466	720 613
254	363	382	3.137196576	4.368634321
3.984383285	1.965171058	3.106766292	2.473141586	
ENSG00000150990	3185.666843	2506.71605	2941.936389	
3176.163306	3878.760052	3918.871562	2878.106427	
3657.93164	-0.346094866	0.014102117	0.156181498	DHX37
12	124946825	124989122	-	6618
protein_coding	DEAH-box helicase 37	[Source:HGNC		
Symbol;Acc:HGNC:17210]	-	3312	2881	3162 2882 3200
4245	24.19718148	18.97033906	22.30391691	
24.19798802	29.72148986	29.82510284		
ENSG00000197157	3793.559792	3287.182657	3919.790641	
4857.920837	4481.179973	4235.520076	3666.844363	
4524.873629	-0.303325342	0.014120985	0.156181498	SND1
7	127652180	128092609	+	6500
protein_coding	staphylococcal nuclease and tudor domain containing 1			
[Source:HGNC Symbol;Acc:HGNC:30646]		-	3944	3778 4213
4408	3697	4588	29.33761237	25.32836725
30.25687969	37.68254903	34.96096842	32.82018847	
ENSG00000204577	21.16083048	40.0239286	41.86816493	
11.02069155	0	0	34.35097467	3.673563851
3.232693323	0.014132259	1	LILRB3	19 54216278
54223506	-	3736	protein_coding	leukocyte
immunoglobulin like receptor B3	[Source:HGNC Symbol;Acc:HGNC:6607]			
-	22	46	45	10 0 0
0.28471938	0.536549213	0.562278765	0.14873226	0
0				
ENSG00000163395	229.8835675	180.1076787	386.1175211	
122.3296763	44.8481631	191.0969171	265.3695891	

119.4249188	1.147314841	0.014151581	1	IGFN1	1	
201190825	201228952	+	12116	protein_coding		
	immunoglobulin-like and fibronectin type III domain containing					
1 [Source:HGNC Symbol;Acc:HGNC:24607]	-		239	207	415	
111	37	207	0.953761643	0.744508531		
1.598949943	0.509067953	0.187711042	0.794405238			
ENSG00000163482	865.6703379	492.4683388	790.8431154			
251.2717674	442.4210685	594.5237422	716.327264			
429.405526	0.736893252	0.014227236	1	STK36	2	
218672026	218702716	+	6458	protein_coding		
	serine/threonine kinase 36 [Source:HGNC Symbol;Acc:HGNC:17209]					
-	900	566	850	228	365	644
6.73822774	3.819240335	6.144222309	1.961773438			
3.47409895	4.636805136					
ENSG00000129038	1588.985998	1545.271678	1737.063643			
2180.994859	2374.528419	1763.261409	1623.773773			
2106.261562	-0.374787048	0.014254729	1	LOXL1	15	
73925989	73952137	+	3637	protein_coding		
	lysyl oxidase like 1 [Source:HGNC Symbol;Acc:HGNC:6665]			-		
1652	1776	1867	1979	1959	1910	21.96180132
21.27934511	23.96332361	30.23531773	33.108423			
24.41861819						
ENSG00000133935	364.5433978	499.429022	434.4985116			
731.7739192	607.2683707	558.5199752	432.8236438			
632.520755	-0.546538428	0.014255911	1	ERG28	14	
75649791	75661189	-	2633	protein_coding		
	ergosterol biosynthesis 28 homolog [Source:HGNC Symbol;Acc:HGNC:1187]			-		
605	6.95968474	9.499913065	8.279651501			501
14.01294005	11.69591563	10.6840407				
ENSG00000229647	55.78764399	60.9059783	34.42493561			
18.73517564	13.33323768	1.846347025	50.37285263			
11.30492012	2.168137919	0.01427341	1	MYOSLID	2	
207239650	207245887	+	1204			
	lincRNA "myocardin-induced smooth muscle lincRNA, inducer of differentiation [Source:HGNC Symbol;Acc:HGNC:51821]"			-		58
70	37	17	11	2	2.329178235	
2.533553916	1.434568442	0.784575023	0.56158249			
0.077238624						
ENSG00000278829	34.62681351	0	13.02565131	0	0	
0.923173513	15.88415494	0.307724504	5.368391076			
0.014275319	1	AC099811.5	17	42272069		
42275571	-	819	sense_intronic	"novel		
	transcript, sense intronic to STAT5B"			-	36	0
0	0	1	2.125297912	0	0.797976625	14
0	0	0.056773689				
ENSG00000128591	2914.423471	2356.191275	4157.97398			
4037.981385	4136.940018	4514.318477	3142.862908			
4229.746627	-0.428655522	0.014288087	0.157083399	FLNC		
7	128830377	128859274	+	9280		

protein_coding	filamin C [Source:HGNC Symbol;Acc:HGNC:3756]	-					
3030	2708	4469	3664	3413	4890	15.78686404	
12.71625656		22.48062671		21.93913661		22.60662198	
24.50145645							
ENSG00000179943	598.274389		711.7298607		750.8357578		
763.7339247	990.2959258		1159.505932		686.9466692		
971.1785942	-0.499935142		0.014293088		1	FIZ1	19
55591371		55601970		-	6790	protein_coding	
	FLT3 interacting zinc finger 1 [Source:HGNC						
Symbol;Acc:HGNC:25917]	zf-C2H2	622	818	807	693	817	
1256	4.429164669		5.249792368		5.548170467		
5.67120706	7.396046662		8.601038333				
ENSG00000168209	563.6475755		729.1315688		692.2203269		
221.5159002	562.4202076		423.7366423		661.6664904		
402.5575834	0.717686551		0.014299769		1	DDIT4	10
72273920		72276036		+	2058	protein_coding	
	DNA damage inducible transcript 4 [Source:HGNC						
Symbol;Acc:HGNC:24944]	-	586	838	744	201	464	
459	13.76744855		17.74423359		16.87615871		
5.427036352	13.85861948		10.37046746				
ENSG00000243716	1090.744626		719.5606293		905.2827662		
689.8952913	614.5410458		621.2957741		905.1960071		
641.9107037	0.49554306		0.01434982		1	NPIP5	16
22479121		22536521		+	10005	protein_coding	
	nuclear pore complex interacting protein family member B5						
[Source:HGNC Symbol;Acc:HGNC:37233]	-			1134	827	973	
626	507	673	5.480209713		3.602027418		
4.539852921	3.476716542		3.114857811		3.127728082		
ENSG00000205755	2.885567793		25.23247672		3.721614661		0
0	0	10.61321973	0		5.751227697		
0.014431683	1	CRLF2	X	1187549	1212750	-	2010
	protein_coding cytokine receptor like factor 2 [Source:HGNC						
Symbol;Acc:HGNC:14281]	-	3	29	4	0	0	
0	0.072164966		0.628724723		0.092898771		0
0	0						
ENSG00000068784	330.8784402		345.4239055		302.3811912		
217.1076236	220.604478		180.9420085		326.2278456		
206.2180367	0.663079815		0.014468101		1	SRBD1	2
45388680		45612165		-	5045	protein_coding	
	S1 RNA binding domain 1 [Source:HGNC Symbol;Acc:HGNC:25521]						
-	344	397	325	197	182	196	
3.296844689	3.429161459		3.007240948		2.169786982		
2.217469104	1.80644989						
ENSG00000136002	0	12.18119566		25.12089896	0	0	
0	12.43403154		0	5.978417153	0.014552305		
1	ARHGEF4	2	130836916		131047263		+
10611	protein_coding Rho guanine nucleotide exchange factor						
4 [Source:HGNC Symbol;Acc:HGNC:684]	-			0	14	27	
0	0	0	0	0.057495032	0.11878278		
0	0	0					

ENSG00000215067	91.37631344	64.38631991	59.54583457				
19.8372448	20.60591278	34.15741997	71.76948931				
24.86685918	1.523143594	0.014600641	1	ALOX12-AS1			
17	6876635	7012349	-	3217	antisense	ALOX12	
antisense RNA 1	[Source:HGNC Symbol;Acc:HGNC:51342]					-	95
74	64	18	17	37	1.427820986		
1.002395842	0.928698938	0.310909139	0.324821839				
0.534788034							
ENSG00000111669	17721.23367	18966.99173	21581.64342				
20505.09871	25987.69235	25199.86738	19423.28961				
23897.55281	-0.299072617	0.014617135	0.158877008	TPI1			
12	6867119	6870948	+	2700	protein_coding		
triosephosphate isomerase 1	[Source:HGNC Symbol;Acc:HGNC:12009]					-	
18424	21799	23196	18606	21440	27297	329.9296735	
	351.8288145	401.0470921	382.9140449	488.0995161			
	470.0912567						
ENSG00000168282	64.44434737	69.60683234	89.31875186				
11.02069155	38.78760052	24.00251133	74.45664386				
24.60360114	1.601547849	0.014639907	1	MGAT2	14		
	49620795	49623481	+	2687	protein_coding		
	"mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-						
acetylglucosaminyltransferase	[Source:HGNC Symbol;Acc:HGNC:7045]"						
-	67	80	96	10	32	26	
1.205614195	1.297420986	1.667821632	0.206797068				
0.732031336	0.449921451						
ENSG00000146535	3935.914469	3684.811687	3755.109193				
4693.712533	4519.967573	4473.698843	3791.945116				
4562.45965	-0.266886184	0.014683603	0.158877008	GNA12			
7	2728112	2844324	-	6120	protein_coding	G	
protein subunit alpha 12	[Source:HGNC Symbol;Acc:HGNC:4380]					-	
4092	4235	4036	4259	3729	4846	32.32848995	
	30.15508731	30.78546879	38.66947373	37.45314754			
	36.81823843						
ENSG00000232716	43.28351689	0	5.582421991	1.102069155			
0	0	16.28864629	0.367356385	5.404560309			
0.014723518	1	AC016831.2	7	130840204			
130843725	-	1723	processed_pseudogene	zinc			
finger protein 131 (ZNF131)	pseudogene					-	
1	0	0	1.262782204	0	0.16255937		
	0.032249781	0	0				
ENSG00000110092	8431.629091	8921.855735	10373.07046				
8397.766964	6242.379459	7485.090841	9242.185096				
7375.079088	0.325479059	0.014793435	0.158877008	CCND1			
11	69641087	69654474	+	4830			
protein_coding cyclin D1	[Source:HGNC Symbol;Acc:HGNC:1582]					-	
8766	10254	11149	7620	5150	8108	87.75170269	
	92.51342938	107.7543522	87.66371764	65.54015415			
	78.05444272						
ENSG00000106628	4737.14046	4669.748365	5053.952709				
5250.257456	6264.197484	6099.407399	4820.280511				

5871.287446	-0.284570345	0.014836319	0.158877008	POLD2
7	44114681	44124358	- 3695	
protein_coding	"DNA polymerase delta 2, accessory subunit [Source:HGNC Symbol;Acc:HGNC:9176]"			
4764	5168 6607	64.445561	63.2959249	5432
68.62642166	71.64227258	85.97168177	83.14207942	
ENSG00000279031	24.04639827	13.05128106	0 0	0
0	12.36589311	0	5.969837021	0.01484786
1	AC004232.3	16	3292879 3293403 +	525
TEC	TEC -	25 15	0 0	0
0	2.302406071	1.245060782	0 0	0
0				
ENSG00000110108	4309.114571	4096.362083	4886.48005	
5102.58019	5443.597311	5692.287879	4430.652234	
5412.821793	-0.288976984	0.014883903	0.158877008	
TMEM109 11	60913874	60923443	+ 2421	
protein_coding	transmembrane protein 109 [Source:HGNC Symbol;Acc:HGNC:28771]			
6166	89.47144286	84.74230301	101.26887	4491
106.2669572	114.0238303	118.4240063		
ENSG00000232097	6.732991517	16.53162268	6.512825656	0
0	0	9.925813285	0	5.65386963
0.014890483	1	AC079781.3	7	97938439
97938794	-	356	processed_pseudogene	novel
pseudogene	-	7	19	7 0 0
0.950712619	2.325745561	0.917897269	0	0
0				
ENSG00000271032	0 0	4.652018326	20.93931395	
20.60591278	21.23299079	1.550672775		
20.92607251	-3.759120716	0.014934965	1	AC020907.4
19	35014961	35025335	-	526
antisense	novel transcript			
19	17 23	0 0	0.443741754	5
2.007150327	1.986600486	2.033167271		
ENSG00000186480	1941.987125	2630.268177	2229.247182	
3717.279261	3576.944036	2126.0686	2267.167494	
3140.097299	-0.469388273	0.014974905	0.158924425	INSIG1
7	155297776	155310235	+ 3650	
protein_coding	insulin induced gene 1 [Source:HGNC Symbol;Acc:HGNC:6083]			
2303	26.7451274	36.0914126	30.64361414	2951
51.34941738	49.69625989	29.33810723		
ENSG00000276916	53.86393213	37.41367238	34.42493561	
12.12276071	3.636337549	12.92442918	41.90084671	
9.561175812	2.12042461	0.015139652	1	AL442125.2
13	113511747	113514473	+ 418	
sense_intronic	"novel transcript, sense intronic"			
43	37 11	3 14	6.477582631	56
4.482814536	4.132106231	1.462272953	0.441156145	
1.55733761				

ENSG00000176563	36.55052538		35.67350157		33.49453195		
6.612414933	0	10.15490864		35.23951963		5.589107858	
	2.63328868	0.015140205		1	CNTD1	17	
42798792	42811587		+	3378	protein_coding	cyclin	
N-terminal domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26847]							
	-	38	41	36	6	0	11
0.543907651	0.528911256		0.497495196		0.098696931		0
	0.151413312						
ENSG00000154529	0	0	0	1.102069155		19.39380026	
	9.231735127	0	9.909201515		-5.869994003		
0.015175529	1	CNTNAP3B		9	41890314		
42129510	-	13220	protein_coding		contactin associated		
protein like 3B [Source:HGNC Symbol;Acc:HGNC:32035]							
	-						0
	0	0	1	16	10	0	0
	0.004203205	0.074393654		0.035172202			
ENSG00000129195	258.7392454		213.170924		234.4617236		
580.7904449	374.5427675		252.9495425		235.4572977		
402.7609183	-0.773728407		0.015195445		1	PIMREG	17
	6444415	6451469	+	2823	protein_coding	PICALM	
interacting mitotic regulator [Source:HGNC Symbol;Acc:HGNC:25483]							
	-	269	245	252	527	309	274
4.607258907	3.781932767		4.16711704		10.37317682		
6.728139097	4.513055796						
ENSG00000166275	287.5949234		394.1486881		331.2237048		
415.4800716	504.2388068		624.9884681		337.6557721		
514.9024488	-0.609129474		0.015213538		1	BORCS7	10
	102854223	102864961	+	2708	protein_coding		
BLOC-1 related complex subunit 7 [Source:HGNC							
Symbol;Acc:HGNC:23516]							
	-		299	453	356	377	416
	677	5.338555288		7.289674554		6.136876362	
7.735791108	9.442609523		11.62441287				
ENSG00000133142	833.9290921		937.9520658		925.7516469		
705.3242595	512.7235944		719.1521664		899.2109349		
645.7333401	0.476679463		0.015219623		1	TCEAL4	X
	103576231	103587736	+	2518	protein_coding		
transcription elongation factor A like 4 [Source:HGNC							
Symbol;Acc:HGNC:26121]							
	-		867	1078	995	640	423
	779	16.64809664		18.65613316		18.44647514	
14.1233035	10.32599717		14.38509552				
ENSG00000253167	0.961855931		0	40.0073576		0	0
	0	13.65640451		0	6.113044443		0.015260207
	1	WASHC5-AS1		8	125040684		125044989
	+	587	antisense		WASHC5 antisense RNA	1	
[Source:HGNC Symbol;Acc:HGNC:43440]							
	-			1	0		43
	0	0	0	0.082368871	0	3.419608518	
	0	0	0				
ENSG00000235079	16.35155083		14.79145187		5.582421991		
1.102069155	0	0	12.24180823		0.367356385		
4.99385105	0.015283256		1	ZRANB2-AS1		1	
71048855	71067184		+	967	antisense		ZRANB2

antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:43594]	-	17				
17	6	1	0	0	0.850009273	
0.766092208	0.289648185		0.057462639	0	0	
ENSG00000279583	18.27526269		6.960683234		4.652018326	0
0	0	9.962654749	0		5.657662039	
0.015349836	1	AC009086.3	16		29595130	
29596137	-	1008	TEC	novel transcript		-
19	8	5	0	0	0.91136907	
0.345850217	0.231555717		0	0	0	
ENSG00000141543	4153.29391		3792.702277		3733.709908	
4571.382857	4808.450352		4712.800782		3893.235365	
4697.544664	-0.270964678		0.015437511		0.162253262	EIF4A3
17	80135214		80147183	-	4967	
protein_coding	eukaryotic translation initiation factor 4A3					
[Source:HGNC Symbol;Acc:HGNC:18683]	-		4318	4359		4013
4148	3967	5105	42.0329329		38.24294305	
37.71560126	46.40412963		49.09252847		47.78951297	
ENSG00000206053	1607.261261		1713.198161		1657.048928	
2011.276209	2119.984791		2055.907413		1659.16945	
2062.389471	-0.313715225		0.015462927	1	JPT2	16
1678256	1702280 +		4768	protein_coding	Jupiter	
microtubule associated homolog 2 [Source:HGNC Symbol;Acc:HGNC:14137]						
-	1671	1969	1781	1825	1749	2227
16.94499401	17.99567193		17.43707793		21.26858835	
22.54763121	21.71775795					
ENSG00000163041	2228.620192		2483.223744		2453.474465	
3011.955002	3031.493403		2779.675447		2388.439467	
2941.041284	-0.299981341		0.015465316		0.162253262	H3F3A
1	226061851		226072001	+	3146	
protein_coding	H3 histone family member 3A [Source:HGNC					
Symbol;Acc:HGNC:4764]	-		2317	2854	2637	2733
3011	35.6097178		39.53246073		39.12888272	2501
48.27174038	48.86549851		44.50236131			
ENSG00000197172	1776.547904		1738.430638		1673.796194	
1996.94931	2187.863092		2299.62522		1729.591579	
2161.479207	-0.321777122		0.015479451	1	MAGEA6	X
152766136	152769747		-	1863	protein_coding	
MAGE family member A6 [Source:HGNC Symbol;Acc:HGNC:6804]						
-	1847	1998	1799	1812	1805	2491
47.93527873	46.73489021		45.07796939		54.04523158	
59.55410627	62.17157804					
ENSG00000183688	522.2877705		553.3743171		417.7512457	
732.8759884	819.388061		595.4469157		497.8044444	
715.903655	-0.523112551		0.015482377	1	RFLNB	17
439978	445939	-	3621	protein_coding	refilin B	
[Source:HGNC Symbol;Acc:HGNC:28705]	-			543	636	449
665	676	645	7.250576202		7.65397763	
5.788470869	10.20481566		11.47533919		8.282514559	
ENSG00000137343	533.8300417		482.027314		615.9272264	
362.5807521	421.8151557		332.3424646		543.928194	

372.2461241	0.548170432	0.015552737	1	ATAT1	6	
30626842	30646823	+	4035	protein_coding		
alpha tubulin acetyltransferase 1 [Source:HGNC						
Symbol;Acc:HGNC:21186]	-	555	554	662	329	348
360	6.650444302	5.983080187	7.658795725			
4.530690571	5.301308343	4.148489353				
ENSG00000258858	14.42783896	2.610256213	13.02565131	0		
0	0	10.02124883	0	5.665909222		
0.015640076	1	AL583722.4	14	104690091		
104691284	-	716	antisense	"novel transcript,		
antisense to INF2"	-	15	3	14	0	0
0	1.012930045	0.182585729	0.912769352	0		
0	0					
ENSG00000248487	130.8124066	163.576056	198.1759807			
239.1490067	298.179679	291.72283	164.1881478			
276.3505053	-0.750929739	0.015657725	1	ABHD14A	3	
51971426	51981199	+	2378	protein_coding		
abhydrolase domain containing 14A [Source:HGNC						
Symbol;Acc:HGNC:24538]	-	136	188	213	217	246
316	2.765210992	3.445121927	4.18132369			
5.070606715	6.358733402	6.178830056				
ENSG00000163166	822.386821	1015.389667	784.3302898			
624.8732111	667.8739965	624.9884681	874.0355925			
639.2452252	0.451842	0.015673376	1	IWS1	2	
127436207	127526886	-	4150	protein_coding		
"IWS1, SUPT6H interacting protein [Source:HGNC						
Symbol;Acc:HGNC:25467]"	-	855	1167	843	567	551
677	9.961373736	12.25409822	9.482558131			
7.591839286	8.161140645	7.585279534				
ENSG00000204392	1311.009634	1269.454605	1199.290324			
1478.976807	1656.95781	1678.329446	1259.918188			
1604.754688	-0.349137021	0.015685635	1	LSM2	6	
31797396	31806984	-	1077	protein_coding		
"LSM2 homolog, U6 small nuclear RNA and mRNA degradation						
associated [Source:HGNC	Symbol;Acc:HGNC:13940]"	-	1363	1459		
1289	1342	1367	1818	61.19012904	59.03345293	
55.87058901	69.2386922	78.01896263	78.48907189			
ENSG00000144848	1355.255007	1562.673386	1389.092672			
2011.276209	1682.412173	1809.420085	1435.673688			
1834.369489	-0.353515251	0.015696073	1	ATG3	3	
112532509	112562046	-	6111	protein_coding		
autophagy related 3 [Source:HGNC						
Symbol;Acc:HGNC:20962]	-	1409	1796	1493	1825	1388
1409	1796	1493	1825	1388	1960	11.14807613
12.80715443	11.40495457	16.59444105	13.96125767			
14.91333611						
ENSG00000110427	1332.170464	1296.427252	1197.429517			
1117.498124	907.8722747	866.8599285	1275.342411			
964.0767756	0.403946067	0.015738223	1	KIAA1549L		
11	33376466	33674102	+	13012		
protein_coding	KIAA1549 like	[Source:HGNC	Symbol;Acc:HGNC:24836]			

-	1385	1490	1287	1014	749	939
5.146440253	4.990003055		4.617219574		4.330179943	
3.538222365	3.355463784					
ENSG00000205143	29.81753386		6.09059783		27.91210996	
4.408276622	0	0	21.27341388		1.469425541	
3.867178331	0.015791054		1	ARID3C	9	34621379
34628107	-		1411	protein_coding		AT-rich
interaction domain 3C [Source:HGNC Symbol;Acc:HGNC:21209]						ARID
31	7	30	4	0	0	1.062272397
0.216187024	0.992522308		0.15752338		0	0
ENSG00000259488	0	32.19315996	27.91210996		2.204138311	
0	0	20.03508997	0.73471277		4.78581263	
0.015793843	1	AC023355.1	15		48312353	
48331856	-	4710	antisense		"novel	
transcript, antisense to DUT"			-	0	37	30
0	0	0	0.342325629		0.297335239	2
0.023595063	0	0				
ENSG00000233913	2861.521395		4555.767177		4041.673522	
4899.799465	4796.329227		5191.004662		3819.654031	
4962.377785	-0.377516151		0.015824361		0.165076859	
RPL10P9 5	168616352		168616996		+	645
processed_pseudogene	ribosomal	protein L10	pseudogene 9			
[Source:HGNC Symbol;Acc:HGNC:35579]			-	2975	5236	4344
4446	3957	5623	223.0121229		353.7516881	
314.3953672	383.0202958		377.097537		405.3585959	
ENSG00000223519	11.54227117		13.92136647		10.23444032	0
1.212112516	0		11.89935932		0.404037505	
4.953098456	0.015830652		1	KIF28P	1	246771837
246839611	-		3525	transcribed_unitary_pseudogene		
"kinesin family member 28, pseudogene [Source:HGNC						
Symbol;Acc:HGNC:49205]"	-		12	16	11	0
0	0.16459754		0.19779689		0.14567318	0
0.017437661	0					
ENSG00000188981	30.77938979		0	6.512825656	0	0
0	12.43073848		0	5.976491815	0.015884406	
1	MSANTD1 4		3244369	3271738	+	7553
protein_coding	Myb/SANT DNA binding domain containing 1 [Source:HGNC					
Symbol;Acc:HGNC:33741]	-		32	0	7	0
0	0.204847991		0	0.043263793	0	0
0						
ENSG00000198712	56497.49367		52222.52596		53802.45275	
49768.34099	78359.43784		81097.1004		54174.15746	
69741.62641	-0.364423771		0.015930406		0.165244215	MT-C02
MT	7586	8269	+	684	protein_coding	
mitochondrially encoded cytochrome c oxidase II [Source:HGNC						
Symbol;Acc:HGNC:7421]	-		58738	60020	57827	45159
87846	4152.066204		3823.829216		3946.577143	64647
3668.599126	5809.511749		5971.685225			
ENSG00000271869	20.19897455		7.830768638		8.373632987	0
0	0.923173513		12.13445872		0.307724504	

4.980312634	0.015945155	1	AC026979.2	8		
30155830	30156232	-	403	lincRNA	novel	
transcript	-	21	9	9	0	1
	2.519506395	0.973186467	1.042517849	0	0	0
	0.115378788					
ENSG00000130176	4.809279655	7.830768638	16.74726597	0		
	0	9.795771422	0	5.634075855		
0.016042273	1	CNN1	19	11538717	11550323	
+	2887	protein_coding	calponin 1	[Source:HGNC		
Symbol;Acc:HGNC:2155]	-	5	9	18	0	0
	0	0.083738357	0.135848336	0.291052784	0	0
	0					
ENSG00000105220	4481.286782	5520.69189	6871.961471			
7247.206766	7375.704662	6881.335364	5624.646714			
7168.082264	-0.349749579	0.016093086	0.165993853			GPI
	19	34359480	34402413	+	10680	
protein_coding	glucose-6-phosphate	isomerase	[Source:HGNC			
Symbol;Acc:HGNC:4458]	-	4659	6345	7386	6576	6085
	7454	21.09223854	25.88922032	32.28375824		
34.21390109	35.02165698	32.45257437				
ENSG00000232640	43.28351689	0	4.652018326	1.102069155		
	0	15.97851174	0.367356385	5.376812448		
	0.016102169	1	AL354892.2	6	169725091	
	169725854	-	403	antisense	novel	
transcript	-	45	0	5	1	0
	5.398942276	0	0.579176583	0.137881817	0	0
	0					
ENSG00000120008	1121.524015	1166.784527	982.5062704			
923.5339522	734.5401849	784.6974858	1090.271604			
814.2572076	0.421088901	0.016173455	1	WDR11	10	
	120851175	120909524	+	10837	protein_coding	
	WD repeat domain 11	[Source:HGNC	Symbol;Acc:HGNC:13831]	-		
	1166	1341	1056	838	606	850
	5.392352845	4.548842298	4.296818299	3.437248341		
	3.647042888					
ENSG00000262001	134.6598303	94.83930906	85.5971372			
312.9876401	138.1808269	175.4029674	105.0320922			
208.8571448	-0.992384054	0.016175938	1	DLGAP1-AS2		
	18	3603000	3608336	+	3171	antisense
antisense RNA 2	[Source:HGNC	Symbol;Acc:HGNC:28146]	-	140		
	109	92	284	114	190	2.134681125
1.497920808	1.354370922	4.976616117	2.209815266			
2.786046605						
ENSG00000285532	9.618559309	0	26.98170629	0	0	
	0	12.20008853	0	5.95005148	0.016193263	
	1	AC091614.2	1	90841587	90849472	
	+	754	lincRNA	novel	transcript	-
	0	29	0	0	0.64125368	0
	1.795447406	0	0	0		
ENSG00000113240	188.5237625	261.0256213	213.992843			

143.2689902	133.3323768	95.08687181	221.1807422			
123.8960796	0.838667338	0.016195766	1	CLK4	5	
178602664	178630615	-	7924	protein_coding		
CDC like kinase 4 [Source:HGNC Symbol;Acc:HGNC:13659]						
196	300	230	130	110	103	1.195949443
1.649815523	1.354969143	0.91161388				0.853287883
0.604399054						
ENSG00000161958	10.58041524	13.92136647	4.652018326			0
0	0	9.717933345	0	5.622889254		
0.016201863	1	FGF11	17	7438273	7444937	5565
protein_coding fibroblast growth factor 11 [Source:HGNC						
Symbol;Acc:HGNC:3667]						
0	0.095571573	0.125289135	0.041942168	5	0	0
0	0					
ENSG00000164096	1650.544778	2464.081865	2146.441256			
1595.796137	1597.564296	1575.857186	2087.022633			
1589.739207	0.392899372	0.016214553	1	C4orf3	4	
119296419	119304445	-	3148	protein_coding		
chromosome 4 open reading frame 3 [Source:HGNC						
Symbol;Acc:HGNC:19225]						
1707	26.35625959	39.20280326	34.21045944	2307	1448	1318
25.55911911	25.73522957	25.21330721				
ENSG00000095380	780.06516	723.0409709	714.5500149			
937.8608513	973.3263506	1013.644517	739.2187153			
974.9439063	-0.399599671	0.016231913	1	NANS	9	
98056739	98083075	+	4922	protein_coding		
N-acetylneuraminatase synthase [Source:HGNC						
Symbol;Acc:HGNC:19237]						
1098	7.966736651	7.357292326	7.283928038	768	851	803
9.60726996	10.02816096	10.37269836				
ENSG00000167767	428.9877452	271.4666461	392.6303467			
706.4263286	515.1478194	466.2026239	364.3615793			
562.5922573	-0.626901885	0.016281506	1	KRT80	12	
52168996	52192000	-	4350	protein_coding		
keratin 80 [Source:HGNC Symbol;Acc:HGNC:27056]						
312	422	641	425	505	4.957318451	446
3.125531893	4.528654928	8.188056226	6.005470435			
5.39800322						
ENSG00000143319	2496.977997	2666.811764	2584.661382			
2923.789469	3202.401268	3379.73823	2582.817048			
3168.642989	-0.295019077	0.016310769	0.166758629			
ISG20L2 1	156721891	156728799	-	5262		
protein_coding interferon stimulated exonuclease gene 20 like 2						
[Source:HGNC Symbol;Acc:HGNC:25745]						
2653	2642	3661	23.85366199	2596	3065	2778
24.64492118	28.01550465	30.86237399	32.3504185			
ENSG00000153214	431.873313	462.8854351	482.8795022			
358.1724755	293.3312289	278.7984008	459.2127501			
310.1007018	0.566957185	0.016333489	1	TMEM87B	2	
112055223	112119318	+	5367	protein_coding		

	transmembrane protein 87B [Source:HGNC Symbol;Acc:HGNC:25913]					
-	449	532	519	325	242	302
4.044976121	4.319551286		4.514210415		3.364835283	
2.77160369	2.616413407					
ENSG00000121644	2476.779022		2759.040817		2514.881107	
3138.692955	3299.370269		3047.395766		2583.566982	
3161.819663	-0.291134241		0.016348885		0.166758629	DESI2
1	244652935		244709033		+ 5104	
protein_coding	desumoylating isopeptidase 2 [Source:HGNC					
Symbol;Acc:HGNC:24264]	-		2575	3171	2703	2848 2722
3301	24.39314426		27.07348567		24.72187555	
31.00568731	32.78119758		30.07224679			
ENSG00000180596	35.58866945		2.610256213		0 0 0	
0	12.73297522		0	6.011232644		0.016406076
1	HIST1H2BC		6	26114873		26123926
-	834		protein_coding	histone cluster 1 H2B family		
member c [Source:HGNC Symbol;Acc:HGNC:4757]	-			37		3
0	0	0	0	2.145047383		0.156752257
0	0	0	0			
ENSG00000218980	35.58866945		2.610256213		0 0 0	
0	12.73297522		0	6.011232644		0.016406076
1	FTH1P15 6		57004520		57004799	+
280	processed_pseudogene ferritin heavy chain 1					
pseudogene 15 [Source:HGNC Symbol;Acc:HGNC:3985]	-					37
3	0	0	0	0	6.389176847	
0.466897793	0	0	0	0		
ENSG00000196243	13.46598303		14.79145187		1.86080733	0
0	0	10.03941408	0		5.669734217	
0.016419749	1	LINC00615	12		90918023	
90948669	+	1406	lincRNA long intergenic non-protein			
coding RNA 615 [Source:HGNC Symbol;Acc:HGNC:26343]	-					14
17	2	0	0	0	0.481441952	
0.52689272	0.06640346		0	0		
ENSG00000125968	1609.184972		2118.657959		2031.071201	
1812.903761	2705.435136		3572.681494		1919.638044	
2697.006797	-0.49077332		0.016425023		1	ID1 20
31605283		31606515	+		1233	protein_coding
"inhibitor of DNA binding 1, HLH protein [Source:HGNC						
Symbol;Acc:HGNC:5360]"	bHLH		1673	2435	2183	1645 2232
3870	65.60456812		86.05864161		82.64882714	
74.13356227	111.2700989		145.9415339			
ENSG00000143669	846.4332192		833.5418173		692.2203269	
672.2621848	550.2990824		432.9683775		790.7317878	
551.8432149	0.519929948		0.016427298		1	LYST 1
235661041		235883640	-		19614	protein_coding
lysosomal trafficking regulator [Source:HGNC						
Symbol;Acc:HGNC:1968]	-		880	958	744	610 454
469	2.169290517		2.128422963		1.770731856	
1.728127207	1.422777675		1.111828212			
ENSG00000127564	325.1073047		498.5589366		521.9564562	

814.4291059	684.8435717	537.2869844	448.5408992			
678.8532207	-0.596879186	0.016447665	1	PKMYT1	16	
2968024	2980539	-	5034	protein_coding	"protein	
kinase, membrane associated tyrosine/threonine 1					[Source:HGNC	
Symbol;Acc:HGNC:29650]"	-	338	573	561	739	565
582	3.246420002	4.960209371	5.202303509			
8.157240576	6.898943636	5.375771389				
ENSG00000141371	21.16083048	14.79145187	0	0	0	
0	11.98409412	0	5.924779547	0.016471099		
1	C17orf64	17	60392429	60431421		
+	1184	protein_coding	chromosome 17	open reading		
frame 64	[Source:HGNC Symbol;Acc:HGNC:26990]	-	22	17		
0	0	0	0	0.898405072	0.625685106	
0	0	0	0			
ENSG00000184613	9.618559309	14.79145187	4.652018326	0		
0	0	9.687343169	0	5.618483712		
0.016486685	1	NELL2	12	44508275	44921848	
-	6424	protein_coding	neural EGFL like 2			
[Source:HGNC Symbol;Acc:HGNC:7751]	-	10	17	5		
0	0	0	0.075265454	0.115319297		
0.036333774	0	0	0			
ENSG00000141627	1012.834295	1201.587943	930.4036652			
1507.630605	1313.929968	1317.368603	1048.275301			
1379.643058	-0.395995803	0.016554046	1	DYM	18	
49041474	49461347	-	7256	protein_coding		
dymeclin	[Source:HGNC Symbol;Acc:HGNC:21317]	-	1053			
1381	1000	1368	1084	1427	7.016690387	
8.293827574	6.433521576	10.47612971	9.182889711			
9.144452686						
ENSG00000279652	25.97011014	25.23247672	22.32968796	0		
0	6.462214589	24.51075827	2.15407153			
3.450045219	0.016616645	1	Z82217.1	22		
35992321	36000469	+	8149	lincRNA novel		
transcript	-	27	29	24	0	7
0.160199318	0.155078745	0.137484253	0	0	0	
0.039941534						
ENSG00000202566	14.42783896	15.66153728	0.930403665	0		
0	0	10.33992664	0	5.712281203		
0.016624258	1	MIR421	X	74218377	74218461	
-	85	mirNA	microRNA 421	[Source:HGNC		
Symbol;Acc:HGNC:32793]	-	15	18	1	0	0
0	8.532446028	9.228097557	0.549195677	0	0	
0	0					
ENSG00000141076	4737.14046	4561.857774	4649.227115			
5305.360914	6038.744556	5419.951693	4649.40845			
5588.019055	-0.265171421	0.016683527	0.168606066	UTP4		
16	69131291	69231130	+	5681		
protein_coding	"UTP4, small subunit processome component	[Source:HGNC				
Symbol;Acc:HGNC:1983]"	-	4925	5243	4997	4814	4982
5871	41.91627317	40.21736996	41.06110155			

47.08616719	53.90465789	48.0527569						
ENSG00000102225	1128.257007	1376.47511	1247.671315					
1549.509233	1638.776122	1611.860953	1250.801144					
1600.048769	-0.355017165	0.016687317	1	CDK16	X			
47217860	47229997	+	6524	protein_coding				
	cyclin dependent kinase 16	[Source:HGNC	Symbol;Acc:HGNC:8749]					
-	1173	1582	1341	1406	1352	1746		
8.693312193	10.56698582	9.595350898	11.97521755					
12.73825972	12.44403733							
ENSG00000245556	138.5072541	174.0170808	168.4030634					
102.4924315	67.87830091	78.46974858	160.3091328					
82.94682698	0.950366143	0.016710874	1	SCAMP1-AS1				
5	78342365	78360507	-	1792				
lincRNA SCAMP1 antisense RNA 1	[Source:HGNC	Symbol;Acc:HGNC:50544]						
-	144	200	181	93	56	85		
3.885310245	4.863518678	4.715053288	2.883745879					
1.920867382	2.205524764							
ENSG00000136240	5470.074679	5727.772216	5386.106818					
7427.946108	6399.954086	6228.65169	5527.984571					
6685.517295	-0.274205107	0.016713673	0.168606066	KDELR2				
7	6445953	6484242	-	3990	protein_coding	KDEL		
endoplasmic reticulum protein retention receptor 2	[Source:HGNC	Symbol;Acc:HGNC:6305]	-	5687	6583	5789	6740	5280
6747	68.91464908	71.89679934	67.72931601					
93.86399715	81.34079019	78.62647987						
ENSG00000236234	8.656703379	6.960683234	13.02565131	0				
0	0	9.547679308	0	5.5967777				
0.016760165	1	AC091132.2	17	45452844				
45464065	+	769	antisense	"novel transcript,				
antisense to PLEKHM1"	-	9	8	14	0	0		
0	0.565870933	0.453338126	0.849860671	0				
0	0							
ENSG00000257093	866.6321938	588.1777333	614.066419					
488.2166359	501.8145818	444.0464596	689.6254487					
478.0258924	0.528898374	0.016788098	1	KIAA1147				
7	141656728	141702153	-	7356				
protein_coding KIAA1147	[Source:HGNC	Symbol;Acc:HGNC:29472]	-					
901	676	660	443	414	481	5.922216595		
4.00464085	4.188400963	3.346370702	3.459441419					
3.040425553								
ENSG00000165646	4.809279655	14.79145187	9.304036652	0				
0	0	9.634922726	0	5.610921069				
0.016788671	1	SLC18A2 10	117241073	117279430				
+	4145	protein_coding	solute carrier family 18					
member A2	[Source:HGNC	Symbol;Acc:HGNC:10935]	-	5	17			
10	0	0	0	0.058323917	0.178724045			
0.11262155	0	0	0					
ENSG00000049759	1154.227117	1102.398207	1023.444032					
1459.139562	1283.627155	1480.770314	1093.356452					
1407.845677	-0.3651439	0.016835525	1	NEDD4L	18			

58044367	58401540	+	17455	protein_coding	
"neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:7728]"					
-	1200	1267	1100	1324	1059
1604	3.324012202	3.163117752	2.941838775		
4.214831097	3.729266906	4.272829161			
ENSG00000188157	1981.423218	1633.150304	2253.437677		
1515.345089	1666.65471	1253.66963	1956.003733		
1478.556476	0.404242308	0.016846752	1	AGRN	1
1020123	1056118	+	10758	protein_coding	agrin
[Source:HGNC Symbol;Acc:HGNC:329]					
-			2060	1877	2422
1375	1375	1358	9.258420397	7.603110991	
10.50965923	7.102041437	7.85630831	5.869474878		
ENSG00000104695	2276.712989	2695.524582	2245.064044		
2857.66532	3002.402703	3100.016656	2405.767205		
2986.694893	-0.311989061	0.016853378	0.168766452		PPP2CB
8	30774457	30814314	-	4516	
protein_coding	protein phosphatase 2 catalytic subunit beta				
[Source:HGNC Symbol;Acc:HGNC:9300]					
-			2367	3098	2413
2593	2477	3358	25.34227161	29.89414095	
24.94304237	31.90513798	33.7147104	34.57464875		
ENSG00000169981	351.0774148	481.1572285	392.6303467		
555.4428543	690.9041343	540.0565049	408.28833		
595.4678312	-0.543210972	0.016897351	1	ZNF35	3
44648727	44660791	+	2663	protein_coding	
zinc finger protein 35 [Source:HGNC Symbol;Acc:HGNC:13099]					
zf-C2H2	365	553	422	504	570
570	585				
6.6270907	9.049249503	7.397539969	10.51650454		
13.15682352	10.21446719				
ENSG00000084207	4542.845562	4974.278256	5589.86522		
6093.34036	6568.437726	5790.144272	5035.663013		
6150.640786	-0.288400061	0.016913414	0.168766452		GSTP1
11	67583595	67586656	+	1911	
protein_coding	glutathione S-transferase pi 1				
[Source:HGNC Symbol;Acc:HGNC:4638]					
-		4723	5717	6008	5529
6272	119.4974052	130.3665291	146.762558		5419
160.7673846	174.3033862	152.6076767			
ENSG00000180611	126.9649829	195.769216	120.0220728		
185.1476181	306.6644666	301.8777387	147.5854239		
264.5632745	-0.841360592	0.017039866	1	MB21D2	3
192796815	192918161	-	3368	protein_coding	
Mab-21 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30438]					
-	132	225	129	168	253
253	327				
1.894973168	2.911179826	1.787984145	2.771719279		
4.617381925	4.514469133				
ENSG00000267278	25.97011014	6.09059783	41.86816493		0
6.060562582	0	24.64295763	2.020187527		
3.658874238	0.017040108	1	MAP3K14-AS1	17	
45247925	45268630	+	3775	antisense	
MAP3K14 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44359]					
					-

	2.560133374	2.99718413	2.664061277	1.734664963	
	1.873174379				
ENSG00000179071	139.46911	95.70939447	117.2308618		
28.65379804	54.54506323	69.23801345	117.4697888		
50.81229158	1.205807034	0.017411605	1	CCDC89	11
	85684866	85686277	-	1412	protein_coding
	coiled-coil domain containing 89 [Source:HGNC				
Symbol;Acc:HGNC:26762]	-	145	110	126	26 45
	75	4.965174565	3.394818703	4.165641432	
1.023176825	1.958958236	2.469776107			
ENSG00000162458	1074.393075	997.1178733	858.762583		
678.8745997	856.963549	562.2126693	976.7578437		
699.3502727	0.483325906	0.017412902	1	FBLIM1	1
	15756607	15786594	+	4716	protein_coding
	filamin binding LIM protein 1 [Source:HGNC				
Symbol;Acc:HGNC:24686]	-	1117	1146	923	616 707
	609	11.45198032	10.58935283	9.136375498	
7.25803335	9.214949883	6.004467719			
ENSG00000141576	352.0392707	274.9469877	263.3042372		
370.2952362	442.4210685	554.8272812	296.7634986		
455.8478619	-0.620491257	0.01742243	1	RNF157	17
	76142453	76240373	-	7805	protein_coding
	ring finger protein 157 [Source:HGNC Symbol;Acc:HGNC:29402]				
	-	366	316	283	336 365 601
2.267302122	1.764301377	1.692620373	2.392094947		
2.874533122	3.580408527				
ENSG00000148719	933.9621089	1043.2324	1146.257316		
1265.17539	1253.324342	1628.478076	1041.150608		
1382.325936	-0.409534237	0.017493347	1	DNAJB12	10
	72332830	72355230	-	5649	protein_coding
	DnaJ heat shock protein family (Hsp40) member B12 [Source:HGNC				
Symbol;Acc:HGNC:14891]	-	971	1199	1232	1148 1034
	1764	8.310915595	9.249243352	10.18087649	
11.29229869	11.2511347	14.51971274			
ENSG00000143774	4199.462995	4972.538085	4847.403096		
4666.160804	6395.105636	6825.944953	4673.134725		
5962.403798	-0.351549485	0.017551704	0.170965309	GUK1	
	1	228139962	228148984	+	4725
protein_coding	guanylate kinase 1 [Source:HGNC Symbol;Acc:HGNC:4693]				
	-	4366	5715	5210	4234 5276 7394
44.67691069	52.70757309	51.47329219	49.79217352		
68.63574218	72.76267411				
ENSG00000101294	3533.85869	2649.410056	3187.562957		
3758.05582	4295.726758	3722.235603	3123.610568		
3925.339394	-0.329576858	0.017667251	0.170965309	HM13	
	20	31514410	31577923	+	10805
protein_coding	histocompatibility minor 13 [Source:HGNC				
Symbol;Acc:HGNC:16435]	-	3674	3045	3426	3410 3544
	4032	16.4405218	12.28064348	14.80159862	
17.53644879	20.16119649	17.35109031			

ENSG00000225630	4342.779528	3375.931368	3326.193103			
3861.650321	5301.780146	5040.52738	3681.634667			
4734.652615	-0.362985146	0.017692488	0.170965309			
MTND2P28	1	629640	630683	+	1044	
unprocessed_pseudogene	MT-ND2	pseudogene	28	[Source:HGNC		
Symbol;Acc:HGNC:42129]	-	4515	3880	3575	3504	4374
5460	209.1021376	161.9533086	159.8532916			
186.4986285	257.5287028	243.1773728				
ENSG00000051341	345.3062792	254.064938	328.4324938			
636.9959718	519.9962695	325.88025	309.2679037			
494.2908304	-0.675763129	0.017715783	1	POLQ	3	
121431427	121546641	-	9400	protein_coding		
DNA polymerase theta	[Source:HGNC	Symbol;Acc:HGNC:9186]	-			
359	292	353	578	429	353	1.846578656
1.353672467	1.753044286	3.416740759	2.805283768			
1.746135211						
ENSG00000140632	1206.167337	857.0341232	1211.385572			
837.5725581	850.9029864	690.5337875	1091.529011			
793.0031107	0.461374757	0.01771945	1	GLYR1	16	
4803203	4847342	-	5470	protein_coding	glyoxylate	
reductase 1 homolog	[Source:HGNC	Symbol;Acc:HGNC:24434]	-			1254
985	1302	760	702	748	11.08438053	
7.847069551	11.11142332	7.720373469	7.888549336			
6.358362582						
ENSG00000262370	12.5041271	11.31111026	4.652018326			0
0	0	9.489085228	0	5.588149063		
0.017722214	1	AC108134.3	16	3076911	3087100	-
1326	lincRNA	uncharacterized	LOC105371058	[Source:NCBI		
gene;Acc:105371058]	-	13	13	5	0	0
0	0.474024779	0.427226739	0.176024255	0		
0	0					
ENSG00000227001	60.59692365	65.25640532	58.61543091			
35.26621297	9.69690013	7.385388102	61.48958662			
17.4495004	1.820752114	0.017727359	1	NBPF2P	1	
21424625	21427967	-	661			
unprocessed_pseudogene	"NBPF member 2,	pseudogene	[Source:HGNC			
Symbol;Acc:HGNC:31987]"	-	63	75	63	32	8
8	4.608295359	4.944454692	4.449232755			
2.690051302	0.743936535	0.562755238				
ENSG00000204709	25.0082542	10.44102485	0	0	0	
0	11.81642635	0	5.904079284	0.01774878		
1	LINC01556	6	28943877	28944537		
+	466	lincRNA	long intergenic	non-protein coding	RNA	
1556	[Source:HGNC	Symbol;Acc:HGNC:21195]	-	26	12	
0	0	0	0	2.697668916	1.122157786	
0	0	0	0			
ENSG00000100997	770.4466007	677.7965299	657.7953913			
911.4111915	1069.083239	857.6281933	702.0128406			
946.0408747	-0.429885013	0.017768698	1	ABHD12	20	
25294743	25390983	-	3429	protein_coding		

abhydrolase domain containing 12 [Source:HGNC
Symbol;Acc:HGNC:15868] - 801 779 707 827 882
929 11.29448018 9.899848996 9.624938529
13.40139685 15.81060396 12.59735149
ENSG00000203279 27.893822 7.830768638 0 0 0
0 11.90819688 0 5.915008736 0.017800842
1 AL590705.1 9 97200475 97238700
- 806 lincRNA novel transcript - 29
9 0 0 0 0 1.739659178
0.486593233 0 0 0 0
ENSG00000135898 16.35155083 8.700854042 3.721614661 0
0 9.591339843 0 5.603133132
0.017821356 1 GPR55 2 230907318 230961066
- 4130 protein_coding G protein-coupled receptor 55
[Source:HGNC Symbol;Acc:HGNC:4511] - 17 10 4
0 0 0 0.199021542 0.105513626
0.045212235 0 0 0
ENSG00000067064 909.9157107 1058.893937 944.3597202
1431.587833 1292.111942 1113.347256 971.0564559
1279.015677 -0.396770615 0.017912084 1 IDI1 10
1039152 1049170 - 4345 protein_coding isopentenyl-
diphosphate delta isomerase 1 [Source:HGNC Symbol;Acc:HGNC:5387]
- 946 1217 1015 1299 1066 1206
10.52695029 12.20560736 10.90491531 16.61236306
15.08046677 12.90590741
ENSG00000279759 163.5155083 111.3709317 194.454366
98.08415483 47.27238814 79.39292209 156.4469353
74.91648835 1.059713529 0.017922826 1 AC118344.2
19 40355842 40360606 + 4765 TEC
TEC - 170 128 209 89 39 86
1.724992586 1.170592298 2.047525961 1.037860887
0.503093912 0.839202105
ENSG00000280432 31.74124572 0 4.652018326 0 0
0 12.13108802 0 5.941250488 0.017996032
1 AP000962.2 21 16525919 16527019
+ 1101 TEC TEC - 33 0 5
0 0 0 1.449198372 0 0.211996515
0 0 0
ENSG00000225916 10.58041524 2.610256213 15.81686231 0
0 9.66917792 0 5.614492187
0.01800214 1 AC007879.2 2 207226949
207228308 + 551 lincRNA novel transcript -
11 3 17 0 0 0 0.96525554
0.237262036 1.440268155 0 0 0
ENSG00000131153 1712.103557 1884.604986 1727.759606
2468.634908 2048.470153 2162.072367 1774.822716
2226.392476 -0.326993784 0.018032061 1 GINS2 16
85676198 85690073 - 3264 protein_coding
GINS complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:24575]
- 1780 2166 1857 2240 1690 2342

26.36762835	28.91790988	26.5587597	38.13378484		
31.82613603	33.3632046				
ENSG00000228000	8.656703379	23.49230591	22.32968796	0	
	3.636337549	0	18.15956575	1.212112516	
3.973638965	0.018053825	1	RPL7AP65	17	
18311904	18312651	+	748	processed_pseudogene	
	ribosomal protein L7a	pseudogene 65	[Source:HGNC		
Symbol;Acc:HGNC:37031]	-	9	27	24	0
0	0.581757684	1.572971175	1.497806392	0	3
0.246528434	0				
ENSG00000166073	2460.427471	2725.107486	2974.500518		
3140.897093	3512.702072	3411.12613	2720.011825		
3354.908432	-0.302587902	0.018055295	0.173557704	GPR176	
15	39799032	39920892	-	5119	
protein_coding	G protein-coupled receptor 176	[Source:HGNC			
Symbol;Acc:HGNC:32370]	-	2558	3132	3197	2850
3695	24.16109579	26.66215333	29.15436204	2898	
30.93654245	34.79850704	33.56296587			
ENSG00000130377	0.961855931	0	2.791210996	50.69518115	
	15.75746271	0	1.251022309		
22.15088129	-4.152590233	0.018179657	1	ACSBG2	19
6135247	6193094	+	3447	protein_coding	acyl-CoA
synthetase bubblegum family member 2	[Source:HGNC				
Symbol;Acc:HGNC:24174]	-	1	0	3	46
0	0.014026843	0	0.040628053	0.741529771	13
0.231819214	0				
ENSG00000114942	5666.293289	7340.04047	6437.462959		
6811.88945	8893.269532	8646.44312	6481.265573		
8117.200701	-0.32464698	0.018294137	0.174825425	EEF1B2	
2	206159585	206162928	+	1915	
protein_coding	eukaryotic translation elongation factor 1 beta 2	[Source:HGNC			
Symbol;Acc:HGNC:3208]	-	5891	8436	6919	
6181	7337	9366	148.7378368	191.9669172	
168.663298	179.3502593	235.5033563	227.4135791		
ENSG00000182551	807.958982	824.8409632	936.9164908		
1376.484375	1023.022964	1054.264152	856.5721454		
1151.257163	-0.426521922	0.018379555	1	ADI1	2
3497361	3519736	-	5560	protein_coding	acireductone
dioxygenase 1	[Source:HGNC				
Symbol;Acc:HGNC:30576]	-	844	1142	7.304755952	840
948	1007	1249	12.48244584	9.330716951	
7.430056966	8.454748918				
9.550416909					
ENSG00000273888	4.809279655	13.92136647	27.91210996		
2.204138311	0	0	15.54758536	0.73471277	
4.42129855	0.018388237	1	FRMD6-AS1	14	
51649516	51651744	-	2229	antisense	FRMD6
antisense RNA 1	[Source:HGNC				
Symbol;Acc:HGNC:20129]	-	0	0	0.10845789	5
16	30	2			
0.312801273	0.628285768	0.049857669	0	0	
ENSG00000271147	94.26188123	81.788028	86.52754086		

42.98069706	3.636337549	34.15741997	87.5258167			
26.92481819	1.694139356	0.018390778	1	ARMCX5-GPRASP2		
X	102599512	102714671	+	2711		
processed_transcript	ARMCX5-GPRASP2	readthrough	[Source:HGNC			
Symbol;Acc:HGNC:42000]	-	98	94	93	39	3
37	1.747824306	1.5109738	1.601398682			
0.799368689	0.068020387	0.634604613				
ENSG00000162366	0	0	6.612414933	26.66647536		
0	0	11.09296343	-6.030680188	0.0183922		
1	PDZK1IP1	1	47183593	47191044		
-	1438	protein_coding	PDZK1	interacting protein 1		
[Source:HGNC Symbol;Acc:HGNC:16887]	-	0	0	0		
6	22	0	0	0	0.231848563	
0.940396827	0					
ENSG00000254604	5.771135586	13.92136647	8.373632987	0		
0	0	9.355378347	0	5.568342184		
0.018488146	1	AP002336.2	11	70282367		
70363368	-	539	antisense	novel transcript		
-	6	16	9	0	0	
0.538224796	1.293569643	0.779470673	0	0	0	
ENSG00000072195	1377.377693	922.2905285	1295.121902			
844.1849731	856.963549	939.790636	1198.263375			
880.3130527	0.444244547	0.018512903	1	SPEG	2	
219434846	219498287	+	17910	protein_coding		
SPEG complex locus [Source:HGNC	Symbol;Acc:HGNC:16901]	-				
1432	1060	1392	766	707	1018	3.865882488
2.579104131	3.628187187	2.376540542	2.426449115			
2.642915088						
ENSG00000283317	2.885567793	16.53162268	9.304036652	0		
0	0	9.573742375	0	5.60199171		
0.018520555	1	AL831711.1	1	161433444		
161440996	-	569	lincRNA	novel transcript		-
3	19	10	0	0	0	0.254923695
1.45512376	0.820415335	0	0	0		
ENSG00000235488	35.58866945	0	1.86080733	0	0	
0	12.48315893	0	5.982514794	0.018534895		
1	JARID2-AS1	6	15247815	15248634		
-	455	antisense	JARID2	antisense RNA 1		
[Source:HGNC Symbol;Acc:HGNC:40314]	-	37	0	2		
0	0	0	3.931801137	0	0.205193989	
0	0	0				
ENSG00000167645	1011.872439	1155.473417	1343.502893			
1330.197471	1563.625146	1753.106501	1170.282916			
1548.976372	-0.404721286	0.018581468	1	YIF1B	19	
38305104	38317273	-	3193	protein_coding		
"Yip1 interacting factor homolog B, membrane trafficking						
protein [Source:HGNC Symbol;Acc:HGNC:30511]"	-	1052	1328			
1444	1207	1290	1899	15.93008297	18.12415444	
21.11126759	21.00488921	24.83351253	27.65394306			
ENSG00000123143	6159.725382	5940.94314	6484.913546			

6458.125251	8250.849898	7998.375314	6195.194023	
7569.116821	-0.28899356	0.018657585	0.174825425	PKN1
19	14433053	14471867	+ 4606	
protein_coding	protein kinase N1 [Source:HGNC	Symbol;Acc:HGNC:9405]		
-	6404 6828	6970 5860	6807 8664	
67.22465872	64.59935423	70.64068148	70.69451609	
90.84042913	87.4632333			
ENSG00000109066	1451.4406	1285.116142	1329.546838	
1513.14095	1773.320611	1925.739948	1355.36786	
1737.400503	-0.358644121	0.018664874	1 TMEM104 17	
74776483	74839779	+	4983 protein_coding	
transmembrane protein 104 [Source:HGNC	Symbol;Acc:HGNC:25984]			
-	1509 1477	1429 1373	1463 2086	
14.6419719	12.91659986	13.38712682	15.31058178	
18.04682467	19.46500121			
ENSG00000213303	13.46598303	1.740170808	13.95605498	0
0	0	9.720736273	0	5.621952259
0.018679472	1	AC008481.1	19	11523436
11523831	+	396	processed_pseudogene	ribosomal
protein S12 (RPS12) pseudogene	-	14	2	15 0
0	0	1.709362083	0.220086502	1.768243657
0	0	0		
ENSG00000135318	10505.39048	12879.87424	11833.80422	
9463.467838	10151.44232	9765.329418	11739.68964	
9793.413193	0.26157761	0.0186868	0.174825425	NT5E
6	85449584	85495791	+ 4533	
protein_coding	5'-nucleotidase	ecto [Source:HGNC		
Symbol;Acc:HGNC:8021]	-	10922 14803	12719 8587	8375
10578	116.4977854	142.3058055	130.9825026	
105.2610717	113.5655103	108.5047778		
ENSG00000225082	0	0	14.32689902	18.18168774
0	0	10.83619559	-5.997727049	0.018700162
1	DAP3P1	1	155586644	155602197
278	unprocessed_pseudogene	death associated protein 3		+
pseudogene 1 [Source:HGNC	Symbol;Acc:HGNC:17624]			
0	0	13	15	0 0
2.598427477	3.316605551	0		
ENSG00000237276	12.5041271	6.960683234	8.373632987	0
0	0	9.279481108	0	5.555458673
0.018717544	1	AN07L1	1	16215909
-	1990	transcribed_unprocessed_pseudogene		16228027
anoctamin 7 like 1 [Source:HGNC	Symbol;Acc:HGNC:32248]			
8	9	0	0	0.315857717
0.175184432	0.211122961	0	0	0
ENSG00000203325	1.923711862	2.610256213	26.05130263	0
0	0	10.19509023	0	5.691371903
0.018722538	1	AL445248.1	1	32052291
32073474	-	624	antisense	novel transcript
-	2	3	28	0 0
0.154969639	0.20950542	2.09468864	0	0 0

ENSG00000167658	78428.77075	68038.06836	77527.74621		
79433.83852	92708.42581	95836.4887	74664.86177		
89326.25101	-0.258665446	0.018779356	0.174825425	EEF2	
19	3976056	3985469	-	4027	protein_coding
eukaryotic translation elongation factor 2 [Source:HGNC					
Symbol;Acc:HGNC:3214]	-	81539	78197	83327	72077 76485
103812	979.0051307	846.1883853	965.940004		
994.5511322	1167.459979	1198.662577			
ENSG00000285805	22.12268641	2.610256213	4.652018326	0	
0	0	9.794986983	0	5.632603333	
0.018820757	1	AC012378.2	15	55588666	
55589811	+	663	antisense	"novel transcript,	
antisense to PYG01"	-	23	3	5	0 0
0	1.67731845	0.197181572	0.352048511	0	
0	0				
ENSG00000167799	50.01650841	68.73674694	51.17220159		
90.36967074	112.726464	163.4017118	56.64181898		
122.1659488	-1.109778663	0.018840372	1	NUDT8	11
67627938	67629930	-	1475	protein_coding	
nudix hydrolase 8 [Source:HGNC Symbol;Acc:HGNC:8055]					
52	79	55	82	93	177 1.704560969
2.333961397	1.740671044	3.089113573	3.875594121		
5.57971818					
ENSG00000177156	1545.702481	1379.085366	1550.052506		
1647.593387	2229.074917	1891.582528	1491.613451		
1922.750277	-0.366111215	0.018859855	1	TALD01	11
747329	765024	+	3005	protein_coding	transaldolase
1 [Source:HGNC Symbol;Acc:HGNC:11559]					
1495	1839	2049	-	1607	1585 1666
25.88073206	27.64450131	37.6170395	31.70505422		
ENSG00000130723	5100.722002	4253.847541	4649.227115		
4115.126226	3486.035597	3826.55421	4667.932219		
3809.238678	0.293091343	0.018868326	0.174825425	PRRC2B	
9	131373636	131500197	+	12390	
protein_coding proline rich coiled-coil 2B [Source:HGNC					
Symbol;Acc:HGNC:28121]	-	5303	4889	4997	3734 2876
4145	20.69433796	17.19520384	18.82712816		
16.74615285	14.26806028	15.55550972			
ENSG00000149948	4461.087808	4600.141532	4301.256144		
3345.881956	3071.493116	4243.828638	4454.161828		
3553.73457	0.325349002	0.018905428	0.174825425	HMGA2	
12	65824131	65966295	+	15403	
protein_coding high mobility group AT-hook 2 [Source:HGNC					
Symbol;Acc:HGNC:5009]	HMGI/HMGY	4638	5287	4623	3036
2534	4597	14.55883571	14.95762334	14.0108542	
10.9523798	10.11226996	13.87714757			
ENSG00000177283	5807.686111	4867.257751	6393.733987		
4393.949723	4559.967286	4890.97327	5689.559283		
4614.963426	0.301826014	0.018924257	0.174825425	FZD8	
10	35638249	35642278	-	4030	

protein_coding	frizzled class receptor 8	[Source:HGNC					
Symbol;Acc:HGNC:4046]	-	6038	5594	6872	3987	3762	
5298	72.44180769	60.48894551		79.60202951			
54.97348039	57.38007417	61.1276818					
ENSG00000167106	861.8229141	938.8221512		1032.748068			
597.3214822	709.085822	785.6206593		944.4643779			
697.3426545	0.437105839	0.018941442		1	FAM102A	9	
127940579	127980513	-		6100	protein_coding		
	family with sequence similarity 102 member A	[Source:HGNC					
Symbol;Acc:HGNC:31419]	-	896	1079	1110	542	585	
851	7.10197912	7.708150888		8.49452658			
4.937208809	5.894858588	6.486803513					
ENSG00000155761	8.656703379	6.960683234		12.09524765		0	
0	0	9.237544753	0	5.549144475			
0.018998679	1	SPAG17	1	117953861		118185223	
-	9552	protein_coding					
[Source:HGNC	Symbol;Acc:HGNC:26620]	-		9	8	13	
0	0	0	0.045556402	0.036496757			
0.063532373	0	0	0				
ENSG00000261024	0	0	0	3.306207466		12.12112516	
	11.07808215	0	8.835138261	-5.706301585			
0.019012816	1	GS1-279B7.1	1	185321157			
185335039	-	1205	transcribed_processed_pseudogene				
	microtubule associated protein 1 light chain 3 beta pseudogene	[Source:NCBI					
gene;Acc:100288079]	-			0	0	0	
3	10	12	0	0	0	0.138339516	
0.510105861	0.463047152						
ENSG00000142541	42366.86819	51186.25425		50060.36921			
53172.63261	55541.41972	64646.1484		47871.16388			
57786.73358	-0.271595408	0.019027001		0.174825425		RPL13A	
19	49487554	49492308		+	2369		
protein_coding	ribosomal protein L13a	[Source:HGNC					
Symbol;Acc:HGNC:10304]	-	44047	58829	53805	48248	45822	
70026	898.9850926	1082.143869		1060.238598			
1131.686925	1188.93015	1374.438389					
ENSG00000171320	207.7608811	352.3845887		294.9379619			
676.6704614	319.9977043	427.4293364		285.0278106			
474.6991674	-0.735629268	0.01907623		1	ESC02	8	
27771949	27812640	+		7973	protein_coding		
	establishment of sister chromatid cohesion N-acetyltransferase	2	[Source:HGNC				
Symbol;Acc:HGNC:27230]	-			216	405	317	
614	264	463	1.309885105	2.213562847			
1.85602377	4.279161236	2.03530511		2.700164636			
ENSG00000232109	0	11.31111026		23.26009163	0	0	
0	11.52373396	0	5.868736913	0.019100102			
1	VN1R54P	10	42660728	42661776		+	
1049	processed_pseudogene	vomer nasal 1 receptor	54				
pseudogene	[Source:HGNC	Symbol;Acc:HGNC:37374]	-		0	13	
25	0	0	0	0	0.540040663		
1.112526991	0	0	0				

ENSG00000105699	44.24537282		57.42563668		32.56412828	0
	18.18168774	0	44.74504593		6.060562582	
2.911568258	0.019108496		1	LSR	19	35248330
	35267964	+	2916	protein_coding	lipolysis	
stimulated lipoprotein receptor			[Source:HGNC Symbol;Acc:HGNC:29572]			
	-	46	66	35	0	15
0.762731229	0.986313582		0.560307661		0	0.316192162
	0					
ENSG00000274012	241.4258387		163.576056		446.5937593	
101.3903623	86.05998866		225.2543371		283.865218	
137.5682294	1.041054426		0.019113508		1	RN7SL2 14
	49862550	49862849	-		300	misc_RNA
"RNA, 7SL, cytoplasmic 2			[Source:HGNC Symbol;Acc:HGNC:23134]"			
	-	251	188	480	92	71
						244
40.45327467	27.30833314		74.69061209		17.04035414	
14.54736897	37.81808989					
ENSG00000184313	16.35155083		5.220512425		6.512825656	0
	0	9.361629636	0		5.567785294	
0.019123515	1	MROH7	1	54641754	54710266	
	+	9088	protein_coding	maestro	heat like repeat	
family member 7			[Source:HGNC Symbol;Acc:HGNC:24802]			
	6	7	0	0	0.090444429	17
0.02877011	0.035956363		0	0	0	
ENSG00000167483	10.58041524		0	24.19049529	0	0
	0	11.59030351	0	5.876022103	0.01913248	
	1	FAM129C	19	17523301	17553839	+
6628	protein_coding	family with sequence similarity 129				
member C			[Source:HGNC Symbol;Acc:HGNC:24130]			
	26	0	0	0	0.080243784	0
0.183120466	0	0	0			
ENSG00000143315	1034.956982		854.423867		902.4915552	
792.3877227	581.8140078		671.1471438		930.6241346	
681.7829581	0.448369894		0.019136333		1	PIGM 1
	160024953	160031991	-		7039	protein_coding
	phosphatidylinositol glycan anchor biosynthesis class M					
	[Source:HGNC Symbol;Acc:HGNC:18858]					
	719	480	727	7.390988433	6.079377619	
6.432900068	5.675837706		4.191578773		4.802357244	
ENSG00000095319	2460.427471		1962.042587		2182.726999	
2518.22802	2785.434562		2980.927273		2201.732352	
2761.529952	-0.327152834		0.019222638		0.174825425	NUP188
	9	128947699	129007096	+	8041	
protein_coding	nucleoporin	188	[Source:HGNC Symbol;Acc:HGNC:17859]			
	-	2558	2255	2346	2285	2298
						3229
15.38125225	12.22067183		13.61958836		15.79022018	
17.56658423	18.67192099					
ENSG00000087365	12008.7713		10766.43679		13154.04702	
13758.23134	14168.3832		15058.80634		11976.41837	
14328.47363	-0.258756149		0.019234179		0.174825425	SF3B2
	11	66050729	66069308	+	9795	

protein_coding	splicing factor 3b subunit 2	[Source:HGNC					
Symbol;Acc:HGNC:10769]	-	12485	12374	14138	12484	11689	
16312	61.62902866	55.05088044		67.37977755			
70.82088725	73.35340505	77.43437379					
ENSG00000096384	54807.5128	46687.91271		51664.38512			
60953.24085	60231.08305	58775.68803		51053.27021			
59986.67064	-0.232643972	0.019259507		0.174825425			
HSP90AB1	6	44246166	44253888	+		2980	
protein_coding	heat shock protein 90 alpha family class B						
member 1 [Source:HGNC	Symbol;Acc:HGNC:5258]	-		56981	53659		
55529	55308	49691	63667	924.5172507	784.6661331		
869.8605282	1031.296951	1024.964522		993.411402			
ENSG00000117399	1073.431219	1017.999923		1257.905755			
1707.105122	1713.927098	1132.7339		1116.445632			
1517.92204	-0.442517615	0.019299837		1	CDC20	1	
43358955	43363203	+		2038	protein_coding		
cell division cycle 20	[Source:HGNC	Symbol;Acc:HGNC:1723]					
-	1116	1170	1352	1549	1414	1227	
26.47654008	25.01729097	30.96838431		42.23371469			
42.64740299	27.9944153						
ENSG00000136270	3717.573173	3914.514234		3649.043175			
4037.981385	4755.117401	4980.521101		3760.376861			
4591.206629	-0.288071326	0.019329826		0.174825425		TBRG4	
7	45100100	45112047		-	5803		
protein_coding	transforming growth factor beta regulator 4						
[Source:HGNC	Symbol;Acc:HGNC:17443]	-		3865	4499	3922	
3664	3923	5395	32.20313437	33.78485197			
31.55012285	35.08447144	41.5540251		43.22847318			
ENSG00000231028	0	26.97264753	15.81686231	0			
1.212112516	0	14.26316995	0.404037505	5.215381195			
0.019347536	1	LINC00271	6	135497801			
135716055	+	3825	lincRNA long intergenic non-				
protein coding RNA 271	[Source:HGNC	Symbol;Acc:HGNC:32526]					
0	31	17	0	1	0	0	
0.353174104	0.207473922	0	0.016070002	0			
ENSG00000162063	261.6248132	316.7110871		293.0771545			
509.1559498	351.5126297	452.3550212		290.4710183			
437.6745336	-0.591819205	0.019366339		1	CCNF	16	
2429394	2458854	+	6309	protein_coding	cyclin F		
[Source:HGNC	Symbol;Acc:HGNC:1591]	-		272	364	315	
462	290	490	2.084536928	2.514197869			
2.330751982	4.06905436	2.825431812		3.61132497			
ENSG00000197140	20.19897455	67.86666153		33.49453195			
6.612414933	15.75746271	4.615867564		40.52005601			
8.995248403	2.186082604	0.019407718		1	ADAM32	8	
39106990	39284911	+		10044	protein_coding		
ADAM metalloproteinase domain 32	[Source:HGNC						
Symbol;Acc:HGNC:15479]	-	21	78	36	6	13	
5	0.101091306	0.338412578		0.167317679			
0.033193771	0.079558028	0.023146979					

ENSG00000269304	22.12268641	1.740170808	5.582421991	0		
0	0	9.81509307	0	5.635503554		
0.019454356	1	FKBP1AP1	19	57826461		
57826778	-	318	processed_pseudogene	FK506 binding		
protein 1A pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:3714]				-		
23	2	6	0	0	3.497050731	
0.274069983	0.88078552	0	0	0		
ENSG00000121068	287.5949234	201.8598138	232.6009163			
100.2882931	168.4836398	144.015068	240.6852178			
137.595667	0.806968196	0.019463598	1	TBX2	17	
61399896	61409466	+	6029	protein_coding		
T-box 2 [Source:HGNC Symbol;Acc:HGNC:11597]			T-box	299		
232	250	91	139	156	2.397878209	
1.67687735	1.935712081	0.838702914	1.417153444			
1.20312384						
ENSG00000099834	186.6000506	137.4734939	93.97077018			
27.55172889	3.636337549	96.01004532	139.3481049			
42.39937059	1.707130508	0.019464757	1	CDHR5	11	
616565	626078	-	3873	protein_coding	cadherin	
related family member 5 [Source:HGNC Symbol;Acc:HGNC:7521]					-	
194	158	101	25	3	104	2.421895774
1.777739768	1.217362481	0.358677848	0.047612515			
1.248581398						
ENSG00000177674	1149.417837	1433.900746	1333.268452			
1450.323009	1728.472448	1931.278989	1305.529012			
1703.358148	-0.383890035	0.019479833	1	AGTRAP	1	
11736084	11754802	+	2435	protein_coding		
angiotensin II receptor associated protein [Source:HGNC						
Symbol;Acc:HGNC:13539]	-	1195	1648	1433	1316	1426
2092	23.72849296	29.49285662	27.47218869			
30.03094284	35.99713362	39.94787965				
ENSG00000152520	1181.159083	1225.950335	1016.931206			
978.63741	774.5398979	829.0098144	1141.346875			
860.7290408	0.407063526	0.019527586	1	PAN3	13	
28138506	28295335	+	6352	protein_coding		
poly(A) specific ribonuclease subunit PAN3 [Source:HGNC						
Symbol;Acc:HGNC:29991]	-	1228	1409	1093	888	639
898	9.347362683	9.666273999	8.032592			
7.768094854	6.183547894	6.573502999				
ENSG00000105290	22.12268641	8.700854042	11.16484398			
52.89931946	41.21182555	51.69771671	13.99612815			
48.60295391	-1.79984582	0.019548533	1	APLP1	19	
35867899	35879791	+	3656	protein_coding		
amyloid beta precursor like protein 1 [Source:HGNC						
Symbol;Acc:HGNC:597]	-	23	10	12	48	34
56	0.304174544	0.119193456	0.153221989			
0.729536615	0.571636683	0.712217857				
ENSG00000255348	16.35155083	6.960683234	4.652018326			0
0	0	9.321417462	0	5.56176095		
0.019569225	1	AP001775.2	11	134178824		

134186166	+	334	antisense	novel transcript			
-	17	8	5	0	0	0	
2.460954992	1.043763529		0.698826835		0	0	0
ENSG00000136827	1843.87782		1832.399861		1730.550817		
2190.913481	2246.044493		2199.922481		1802.276166		
2212.293485	-0.295665897		0.019627201		1	TOR1A	9
129812944	129824134		-		3766	protein_coding	
torsin family 1 member A [Source:HGNC Symbol;Acc:HGNC:3098]							
-	1917	2106	1860	1988	1853	2383	
24.6117794	24.36894058		23.05571868		29.3324344		
30.24422525	29.422173						
ENSG00000092607	0	0	2.791210996		0	26.66647536	
34.15741997	0.930403665		20.27463178		-4.451713849		
0.019670712	1		TBX15	1	118883046		
118989556	-	4349	protein_coding	T-box 15	[Source:HGNC		
Symbol;Acc:HGNC:11594] T-box							
	0	0	0	0	3	0	22
37	0	0	0.032201632		0	0.310942892	
0.395588205							
ENSG00000005194	2126.663463		1943.770793		2059.913715		
2223.975556	2766.040762		2666.125105		2043.449324		
2552.047141	-0.320705479		0.019678731		1	CIAPIN1	16
57428169	57447528		-		3509	protein_coding	
cytokine induced apoptosis inhibitor 1 [Source:HGNC							
Symbol;Acc:HGNC:28050] -							
	2211	2234	2214	2018	2282		
2888	30.46537939		27.7433179		29.45372883		
31.95581052	39.97418629		38.26879952				
ENSG00000183808	1036.880694		783.0768638		915.5172065		
686.5890838	716.3584971		618.5262535		911.8249213		
673.8246115	0.436717756		0.019719881		1	RBM12B	8
93729356	93741017		-		7618	protein_coding	
RNA binding motif protein 12B [Source:HGNC							
Symbol;Acc:HGNC:32310] -							
	1078	900	984	623	591		
670	6.841936025		5.148256054		6.029761937		
4.544217627	4.768632702		4.089449528				
ENSG00000141034	556.914584		502.0392782		614.066419		
438.6235239	324.8461544		397.887784		557.6734271		
387.1191541	0.525748409		0.019762409		1	GID4	17
18039292	18068404		+		5210	protein_coding	
GID complex subunit 4 homolog [Source:HGNC							
Symbol;Acc:HGNC:28453] -							
	579	577	660	398	268		
431	5.37331198		4.826104123		5.913604124		
4.244801562	3.161873065		3.846542763				
ENSG00000110841	3868.584554		3271.52112		3066.61048		
3132.08054	2538.163609		2358.708325		3402.238718		
2676.317491	0.346351692		0.019772799		0.17712177		
PPFIBP1	12	27523431	27695564		+	11690	
protein_coding PPFIA binding protein 1 [Source:HGNC							
Symbol;Acc:HGNC:9249] -							
	4022	3760	3296	2842	2094		
2555	16.63522853		14.01625311		13.16190427		
13.50895037	11.010563		10.16266036				

ENSG00000147324	846.4332192		845.7230129		870.8578306		
1127.416746	1063.022677		1110.577736		854.3380209		
1100.339053	-0.365212659		0.019775984		1	MFHAS1	8
8783354	8893645	-	6883	protein_coding		malignant	
fibrous histiocyoma amplified sequence 1 [Source:HGNC							
Symbol;Acc:HGNC:16982]	-		880	972	936	1023	877
1203	6.181674298		6.15385265		6.348105197		
8.2586661	7.831936976		8.126786976				
ENSG00000104904	11857.75992		13529.82804		12792.11999		
14288.3266	15495.64641		15296.98511		12726.56932		
15026.98604	-0.239681784		0.019776668		0.17712177		OAZ1
19	2269509	2273490	+	3436	protein_coding		
ornithine decarboxylase antizyme 1 [Source:HGNC							
Symbol;Acc:HGNC:8095]	-		12328	15550	13749	12965	12784 16570
173.4765142	197.2131346		186.7944604		209.6676413		
228.697263	224.2334358						
ENSG00000110717	1766.929345		1487.846041		1574.243002		
1891.150671	2227.862805		1972.821797		1609.672796		
2030.611757	-0.335049368		0.019806074		1	NDUFS8	11
68030617		68036644	+		4523	protein_coding	
NADH:ubiquinone oxidoreductase core subunit S8 [Source:HGNC							
Symbol;Acc:HGNC:7715]	-		1837	1710	1692	1716	1838
2137	19.63739089		16.47510232		17.46303831		
21.08155974	24.97849567		21.9689324				
ENSG00000102595	484.7753892		297.5692083		341.4581451		
273.3131505	249.6951784		154.1699766		374.6009142		
225.7261018	0.73241114		0.019822185		1	UGGT2	13
95801580		96053482	-		8105	protein_coding	
UDP-glucose glycoprotein glucosyltransferase 2 [Source:HGNC							
Symbol;Acc:HGNC:15664]	-		504	342	367	248	206
167	3.006621327		1.838788101		2.113776576		
1.700241864	1.562289671		0.958063887				
ENSG00000112319	368.3908216		284.5179272		388.908732		
559.851131	475.1481064		485.5892677		347.2724936		
506.862835	-0.545955128		0.019995734		1	EYA4	6
133240598		133532120	+		8968	protein_coding	
EYA transcriptional coactivator and phosphatase 4 [Source:HGNC							
Symbol;Acc:HGNC:3522]	-		383	327	418	508	392
526	2.064925516		1.588951901		2.175838806		
3.147604491	2.686815392		2.727226214				
ENSG00000142507	1853.496379		1640.110987		1673.796194		
2024.501039	2568.466422		1991.285267		1722.467853		
2194.750909	-0.349193913		0.020041542		1	PSMB6	17
4796144	4798503	+	1448	protein_coding		proteasome	
subunit beta 6 [Source:HGNC							
Symbol;Acc:HGNC:9543]	-		2119	2157	64.34493541		1927
1885	1799	1837					
56.72851178	57.99741503		70.49407855		89.95177861		
69.26480268							
ENSG00000107165	37.51238131		19.14187889		6.512825656		0
0	4.615867564		21.05569529		1.538622521		

3.709172136	0.02004754	1	TYRP1	9	12685439	
12710290	+	3741	protein_coding		tyrosinase	
related protein 1 [Source:HGNC	Symbol;Acc:HGNC:12450]	-			39	
22	7	0	0	5	0.504055218	
0.256267523	0.087348684	0	0	0.062146019		
ENSG00000272308	34.62681351	0	1.86080733	0	0	
0	12.16254028	0	5.944966861	0.020133843		
1	AC104113.1	5	60866457	60866935		
-	479	lincRNA	novel transcript	-	36	
0	2	0	0	3.633860104	0	
0.194912871	0	0	0			
ENSG00000185650	4468.782655	4146.827037	4432.443061			
4173.535892	3269.067456	2905.227045	4349.350918			
3449.276798	0.334688481	0.020145161	0.179546192			
ZFP36L1 14	68787660	68796253	-	5160		
protein_coding	ZFP36 ring finger protein like 1 [Source:HGNC					
Symbol;Acc:HGNC:1107]	Others	4646	4766	4764	3787	2697
3147	43.53421526	40.24972654	43.09908866			
40.78097898	32.12762375	28.35816071				
ENSG00000096746	1974.690226	1921.148573	2448.822447			
1665.226494	1494.534733	1800.18835	2114.887082			
1653.316525	0.354715227	0.020157374	1	HNRNPH3	10	
68331174	68343191	+	5373	protein_coding		
heterogeneous nuclear ribonucleoprotein H3 [Source:HGNC						
Symbol;Acc:HGNC:5043]	-	2053	2208	2632	1511	1233
1950	18.47452688	17.90774189	22.86731005			
15.62642628	14.105666	16.87519457				
ENSG00000234740	6.732991517	27.84273294	0	0	0	
0	11.52524148	0	5.869697933	0.020166214		
1	AL162386.2	9	13274510	13279187		
-	457	sense_intronic	novel transcript	-		
7	32	0	0	0	0.740598889	
3.051352462	0	0	0	0		
ENSG00000167524	130.8124066	82.6581134	126.5348985			
74.94070257	12.12112516	38.77328753	113.3351395			
41.94503842	1.431108131	0.020178849	1	SGK494	17	
28607964	28614200	-	4663	protein_coding		
uncharacterized serine/threonine-protein kinase SgK494						
[Source:NCBI gene;Acc:124923]	-	136	95	136	68	
10	42	1.410180514	0.887803367	1.361505903		
0.810318102	0.131820193	0.418807927				
ENSG00000166337	252.0062539	225.3521197	482.8795022			
110.2069155	232.7256031	179.0956615	320.0792919			
174.0093934	0.879927617	0.020277829	1	TAF10	11	
6606296	6612667	-	6103	protein_coding	TATA-box	
binding protein associated factor 10 [Source:HGNC						
Symbol;Acc:HGNC:11543]	-	262	259	519	100	192
194	2.075673964	1.849332457	3.969812764			
0.910476359	1.933771783	1.478050859				
ENSG00000164171	2616.248132	2205.6665	2092.477843			

2038.827938	1349.081231	1856.501934	2304.797492			
1748.137034	0.39828809	0.020296185	1	ITGA2	5	
52989326	53094779	+	7910	protein_coding		
	integrin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:6137]					
-	2720	2535	2249	1850	1113	2011
16.62622437	13.9656154	13.27269173	12.99592776			
8.649002866	11.82133719					
ENSG00000272325	203.9134574	235.7931445	291.2163472			
109.1048464	104.2416764	192.9432642	243.640983			
135.429929	0.843579035	0.0203378	1	NUDT3	6	
34279679	34392674	-	9905	protein_coding		
	nudix hydrolase 3 [Source:HGNC Symbol;Acc:HGNC:8050]					
212	271	313	99	86	209	1.034862375
1.192266685	1.475149015	0.555383225	0.533692785			
0.981121571						
ENSG00000122642	1646.697354	1671.434062	1906.39711			
1548.407163	1366.050806	1066.265407	1741.509508			
1326.907792	0.392931638	0.020355575	1	FKBP9	7	
32957404	33006931	+	5170	protein_coding		
	FK506 binding protein 9 [Source:HGNC Symbol;Acc:HGNC:3725]					
-	1712	1921	2049	1405	1127	1155
16.01085166	16.19181076	18.50109577	15.10072591			
13.3992575	10.38777321					
ENSG00000250251	294.3279149	215.7811803	452.1761813			
238.0469376	157.5746271	156.0163237	320.7617588			
183.8792961	0.802788383	0.020492312	1	PKD1P6	16	
15125242	15154564	-	6015			
	transcribed_unprocessed_pseudogene "polycystin 1, transient receptor potential channel interacting pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:30070]"					
169	2.459727583	1.79669619	3.77178278	486	216	130
1.995400897	1.328480184	1.306417806				
ENSG00000185267	36.55052538	22.62222051	59.54583457			
13.22482987	9.69690013	5.539041076	39.57286015			
9.486923691	2.06643041	0.020498509	1	CDNF	10	
14819250	14838575	-	1733	protein_coding		
	cerebral dopamine neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:24913]					
6	1.060196217	0.653782638	1.723961041	64	12	8
0.384764262	0.283751904	0.160984368				
ENSG00000135473	552.1053044	455.9247518	473.5754656			
383.5200661	344.2399546	289.876483	493.8685073			
339.2121679	0.542713484	0.020564147	1	PAN2	12	
56316223	56334053	-	7288	protein_coding		
	poly(A) specific ribonuclease subunit PAN2 [Source:HGNC Symbol;Acc:HGNC:20074]					
314	3.808068439	3.133152406	3.260284162	509	348	284
2.653279024	2.39528578	2.003329112				
ENSG00000105197	2373.860438	2117.787874	2070.148155			
2180.994859	3079.977904	3239.415856	2187.265489			

2833.462873	-0.373638074	0.020592551	0.182490169	TIMM50
19	39480412	39493785	+ 6911	
protein_coding	translocase of inner mitochondrial membrane 50			
[Source:HGNC Symbol;Acc:HGNC:23656]	-	2468	2434	2225
1979	2541 3509	17.26654635	15.3475225	
15.02917558	15.9117133	22.60014015	23.60877718	
ENSG00000248124	196.2186099	171.4068246	137.6997424	
123.4317454	71.51463846	61.85262535	168.4417257	
85.59966974	0.977854745	0.020631052	1	RRN3P1 16
21796106	21820410	-	5253	
transcribed_unprocessed_pseudogene	"RRN3 homolog, RNA polymerase			
I transcription factor pseudogene 1 [Source:HGNC				
Symbol;Acc:HGNC:30548]"	-	204 197	148 112	59
67	1.877690388	1.634245972	1.315225893	
1.184738947	0.690385992	0.593059709		
ENSG00000261136	0 22.62222051	11.16484398	0 0	
0	11.26235483	0 5.836367925	0.02065128	
1	AC023908.3	15 39782571	39785617	
+	3047 antisense	uncharacterized	LOC105370941	
[Source:NCBI gene;Acc:105370941]	-	0	26 12	
0	0 0	0 0.371842898	0.183846272	
0	0 0			
ENSG0000013275	6518.497644	6157.594406	5519.154542	
6950.750163	7493.279576	7320.765956	6065.082197	
7254.931898	-0.258432944	0.020674267	0.182490169	PSMC4
19	39971005	39981441	+ 2387	
protein_coding	"proteasome 26S subunit, ATPase 4 [Source:HGNC			
Symbol;Acc:HGNC:9551]"	-	6777 7077	5932 6307	6182
7930	137.2733661	129.1978761	116.0098217	
146.8190656	159.1929908	154.4727174		
ENSG00000112137	218.3412963	143.5640917	167.4726597	
89.26760159	83.63576363	112.6271686	176.4593493	
95.17684459	0.888018977	0.02071248	1	PHACTR1 6
12716805	13290484	+	11198	protein_coding
phosphatase and actin regulator 1 [Source:HGNC				
Symbol;Acc:HGNC:20990]	-	227 165	180 81	69
122	0.980136608	0.642099126	0.750374519	
0.401935716	0.378752918	0.506582736		
ENSG00000128039	1137.875566	1478.275102	1341.642085	
1453.629216	1824.229337	1891.582528	1319.264251	
1723.147027	-0.385256985	0.0207764	1	SRD5A3 4
55346109	55373096	+	4420	protein_coding
steroid 5 alpha-reductase 3 [Source:HGNC				
Symbol;Acc:HGNC:25812]	-	1183 1699	1442 1319	1505
2049	12.94087648	16.75057452	15.22961858	
16.58191062	20.92963193	21.55513301		
ENSG00000121380	27.893822	0 6.512825656	0 0	
0	11.46888255	0 5.860292573	0.020797488	
1	BCL2L14 12	12049844	12211084	+
5112	protein_coding	BCL2 like 14 [Source:HGNC		

Symbol;Acc:HGNC:16657]	-	29	0	7	0	0
0	0.274288986	0	0.063922423	0	0	0
0						
ENSG00000179195	1986.232497	1851.54174	1685.891441			
1582.571307	1487.262058	1268.440406	1841.221893			
1446.091257	0.3489773	0.02082531	1	ZNF664	12	
123971845	124015439	+	6340	protein_coding		
zinc finger protein 664	[Source:HGNC Symbol;Acc:HGNC:25406]					
zf-C2H2	2065	2128	1812	1436	1227	1374
15.74823963	14.62651846	13.34181675	12.58569566			
11.89604683	10.07693583					
ENSG00000143226	0	0	0	11.02069155	20.60591278	
0	0	10.54220144	-5.957679807	0.020828764		
1	FCGR2A	1	161505430	161524013	+	
5314	protein_coding	Fc fragment of IgG receptor IIa				
[Source:HGNC Symbol;Acc:HGNC:3616]	-	0	0	0	0	
10	17	0	0	0	0.104566	
0.196641298	0					
ENSG00000204178	1276.38282	1185.926406	1188.12548			
1404.036104	1681.20006	1548.161981	1216.811569			
1544.466048	-0.343897558	0.020841144	1	MAC01	1	
25430858	25500209	+	3979	protein_coding		
macoilin 1	[Source:HGNC Symbol;Acc:HGNC:25572]					-
1363	1277	1274	1387	1677	16.12494345	1327
14.92727434	14.98176546	17.79129384	21.42643324			
19.59702477						
ENSG00000149781	538.6393213	704.7691774	530.3300892			
373.6014437	374.5427675	479.1270531	591.246196			
409.0904214	0.530429878	0.020861475	1	FERMT3	11	
64206678	64223886	+	3066	protein_coding		
fermitin family member 3	[Source:HGNC Symbol;Acc:HGNC:23151]					
-	560	810	570	339	309	519
8.831146574	11.51254832	8.678581395	6.143835674			
6.194891282	7.87093318					
ENSG00000267395	0	23.49230591	10.23444032	0	0	
0	11.24224874	0	5.833844593	0.020916466		
1	DM1-AS	19	45767796	45772504	+	
1027	antisense	DM1 locus antisense RNA [Source:HGNC				
Symbol;Acc:HGNC:53125]	-	0	27	11	0	0
0	0	1.145649891	0.499998012	0	0	
0						
ENSG00000207331	6.732991517	13.92136647	6.512825656	0		
0	0	9.05572788	0	5.521360747		
0.020947665	1	RNU6-1263P	3	98908459		
98908564	+	106	snRNA	"RNA, U6 small nuclear 1263,		
pseudogene [Source:HGNC Symbol;Acc:HGNC:48226]"	-	7	16			
7	0	0	0	3.192959363	6.577679601	
3.08274932	0	0	0			
ENSG00000215712	451.1104316	527.271755	452.1761813			
355.9683372	351.5126297	271.4130127	476.8527893			

326.2979932	0.548939205	0.020948701	1	TMEM242	6	
157289386	157323601	-	4644	protein_coding		
	transmembrane protein 242	[Source:HGNC Symbol;Acc:HGNC:17206]				
-	469	606	486	323	290	294
4.882945175	5.686421011	4.885287128	3.864758446			
3.838425776	2.943649772					
ENSG0000090013	1122.485871	1374.734939	1551.913314			
1782.045824	1659.382035	1785.417574	1349.711375			
1742.281811	-0.368348571	0.020972487	1	BLVRB	19	
40447765	40465840	-	1689	protein_coding		
	biliverdin reductase B	[Source:HGNC Symbol;Acc:HGNC:1063]				
-	1167	1580	1668	1617	1369	1934
33.40738045	40.76486751	46.10122149	53.19764586			
49.82200016	53.24242629					
ENSG0000168374	5136.310671	5049.105601	4970.216379			
6129.708642	6267.833822	5609.202263	5051.877551			
6002.248243	-0.248530499	0.020981612	0.183486337	ARF4		
3	57571363	57598220	-	2595		
protein_coding	ADP ribosylation factor 4	[Source:HGNC				
Symbol;Acc:HGNC:655]	-	5340	5803	5342	5562	5171
6076	99.49588316	97.44819654	96.09760351			
119.0983284	122.4854595	108.8708017				
ENSG0000125743	3899.363944	4398.281718	4734.824252			
4890.982912	5599.959825	5351.636853	4344.156638			
5280.859863	-0.281619981	0.020989763	0.183486337	SNRPD2		
19	45687454	45692569	-	1608		
protein_coding	small nuclear ribonucleoprotein D2 polypeptide	[Source:HGNC Symbol;Acc:HGNC:11159]	-	4054	5055	5089
4438	4620	5797	121.8986558	136.9915291		
147.7380772	153.3604228	176.6051205	167.6286603			
ENSG0000259972	143.3165337	66.99657613	107.9268252			
56.20552693	50.90872568	24.92568484	106.0799783			
44.01331248	1.27303927	0.021069994	1	AC009120.2		
16	74305127	74335346	-	3297		
processed_transcript	"novel transcript, antisense to PSMD7"	-				
149	77	116	51	42	27	2.185086016
1.017724843	1.642423226	0.85953442	0.783028742			
0.380781495						
ENSG0000165118	276.0526522	283.6478418	315.4068425			
230.3324535	173.3320898	111.703995	291.7024455			
171.7895128	0.76607532	0.021085347	1	C9orf64	9	
83938311	83956986	-	2729	protein_coding		
	chromosome 9 open reading frame 64	[Source:HGNC				
Symbol;Acc:HGNC:28144]	-	287	326	339	209	143
121	5.084866761	5.205622396	5.798854319			
4.255541147	3.220919435	2.061640099				
ENSG0000147123	781.0270159	1130.24094	1027.165646			
1109.78364	1343.020668	1539.853419	979.4778675			
1330.885909	-0.442384453	0.021118442	1	NDUFB11	X	
47142216	47145504	-	1418	protein_coding		

NADH:ubiquinone oxidoreductase subunit B11 [Source:HGNC						
Symbol;Acc:HGNC:20372]	-	812	1299	1104	1007	1108
1668	27.68732604	39.92009057		36.34451505		
39.46074528	48.02981234	54.69540388				
ENSG00000105640	26983.90629	26514.11252		36185.25935		
30904.22326	40093.0457	41892.69083		29894.42605		
37629.9866	-0.332021633	0.0211211		0.183486337		RPL18A
19	17859876	17864153		+	3527	
protein_coding ribosomal protein L18a [Source:HGNC						
Symbol;Acc:HGNC:10311]	-	28054	30473	38892	28042	33077
45379	384.5834132	376.5029209		514.7553313		
441.7896823	576.4584555	598.2469315				
ENSG00000276809	0	0	2.791210996	13.22482987		
48.48450065	0	0.930403665	20.56977684	-4.468013034		
	0.021122457	1	AL138955.1	13	95744726	
	95745765	+	1040	sense_intronic	"novel	
transcript, sense intronic to DNAJC3"						
	12	40	0	0	0	3
	0.641150448	2.36414447	0			
ENSG00000198920	920.4961259	789.1674616		744.3229322		
684.3849455	576.9655578	534.5174639		817.9955066		
598.6226557	0.450757486	0.021183169		1	KIAA0753	
17	6578148	6640927	-	6299	protein_coding	
KIAA0753 [Source:HGNC Symbol;Acc:HGNC:29110]						
	800	621	476	579	7.345841373	957 907
	5.92876743	5.478126232		4.644967766	6.274718925	
ENSG00000166250	7217.766906	8256.240401		7014.313232		
6349.020404	6420.559999	6049.556029		7496.106846		
6273.045477	0.257104131	0.021186875		0.183486337		CLMP
11	123069865	123195281		-	5097	
protein_coding CXADR like membrane protein [Source:HGNC						
Symbol;Acc:HGNC:24039]	-	7504	9489	7539	5761	5297
6553	71.18351154	81.12681214		69.04705274		
62.80515406	63.87967524	59.78008834				
ENSG00000278920	19.23711862	1.740170808		7.443229322		0
0	0	9.47350625	0	5.584484916		
0.021229862	1	AC005005.4	22	31051630		
31068327	+	16698	sense_overlapping	"novel		
transcript, sense overlapping SMTN"						
	0	0	0	0.057911759	0.005219443	8
	0.022365137	0	0			
ENSG00000269713	1478.372566	1502.637493		1201.151132		
897.0842925	1066.659014	1201.971914		1394.05373		
1055.238407	0.40126921	0.021238688		1	NBPF9	1
149054027	149103561	-		9046	protein_coding	
NBPF member 9 [Source:HGNC Symbol;Acc:HGNC:31991]						
1537	1727	1291	814	880	1302	8.215206805
8.319444941	6.662169758	5.000113528		5.979618116		
6.692454372						
ENSG00000148219	96.18559309	77.43760098		83.73632987		

51.7972503	30.30281291	18.46347025	85.78650798								
33.52117782	1.359368035	0.02126347	1	ASTN2	9						
116425225	117415070	-	8290	protein_coding							
	astrotactin 2 [Source:HGNC Symbol;Acc:HGNC:17021]					-					
100	89	90	47	25	20	0.583239174					
0.46783647	0.506796976	0.315032508	0.185367178								
0.112177688											
ENSG00000178201	57.71135586	47.85469723	66.98906389								
27.55172889	18.18168774	5.539041076	57.51837233								
17.09081924	1.758877825	0.021329859	1	VN1R1	19						
57454790	57457142	-	2353	protein_coding							
	vomeronasal 1 receptor 1 [Source:HGNC Symbol;Acc:HGNC:13548]										
-	60	55	72	25	15	6					
1.232907628	1.018589887	1.428422246	0.590377945								
0.39184715	0.118566047										
ENSG00000167325	1754.425218	2383.163922	2113.877127								
3635.726144	2646.041623	2139.916203	2083.822089								
2807.22799	-0.429540982	0.021358335	0.18410283			RRM1					
11	4094707	4138876	+	4177		protein_coding					
	ribonucleotide reductase catalytic subunit M1 [Source:HGNC										
	Symbol;Acc:HGNC:10451]					-	1824	2739	2272	3299	2183
2318	21.11356527	28.57499445	25.39158946								
43.8863926	32.12451803	25.8035806									
ENSG00000112159	2937.508013	1763.663114	2483.247382								
1974.907927	1593.927959	1811.266432	2394.80617								
1793.367439	0.416883382	0.021391097	1	MDN1	6						
89642499	89819723	-	18602	protein_coding							
	midasin AAA ATPase 1 [Source:HGNC Symbol;Acc:HGNC:18302]										
-	3054	2027	2669	1792	1315	1962					
7.937991128	4.748459152	6.697843097	5.352915761								
4.345237041	4.904224935										
ENSG00000231942	23.08454234	10.44102485	0	0	0						
0	11.17518906	0	5.823631852	0.021427703							
1	HNRNPA1P36	8	81807772	81808726							
+	955	processed_pseudogene	heterogeneous nuclear								
	ribonucleoprotein A1 pseudogene 36 [Source:HGNC										
	Symbol;Acc:HGNC:48765]					-	24	12	0	0	0
0	1.21509179	0.547565998	0	0	0	0					
0											
ENSG00000166913	8127.682616	8682.582249	8196.85629								
10609.61976	10319.92596	8900.315836	8335.707052								
9943.287186	-0.254270761	0.021465078	0.184158335			YWHAB					
20	44885676	44908532	+	7933							
	protein_coding tyrosine 3-monooxygenase/tryptophan 5-monooxygenase										
	activation protein beta [Source:HGNC Symbol;Acc:HGNC:12849]					-					
8450	9979	8810	9627	8514	9641	51.50157032					
54.8161041	51.84232734	67.43192553	65.96955458								
56.50874299											
ENSG00000110066	1389.88182	1505.247749	1259.766563								
1099.865017	1126.052528	1025.645773	1384.965377								

1083.854439	0.354142254	0.021470371	1	KMT5B	11	
68154863	68213828	-	8632	protein_coding		
lysine methyltransferase 5B [Source:HGNC						
Symbol;Acc:HGNC:24283]	-	1445	1730	1354	998	929
1111	8.093896226	8.733599435	7.322396951			
6.424378992	6.615331966	5.984579566				
ENSG00000236896	0	17.40170808	15.81686231	0	0	
0	11.0728568	0	5.811584977	0.021510882		
1	AL354726.1	9	97986551	97987656		
-	402	antisense	novel transcript	-		
0	20	17	0	0	0	
2.168016286	1.974098889	0	0	0		
ENSG00000112312	576.1517026	692.5879818	576.8502724			
998.4746548	837.5697488	708.9972578	615.1966523			
848.3472205	-0.4628029	0.021519291	1	GMNN	6	
24774931	24786099	+	2476	protein_coding		
"geminin, DNA replication inhibitor [Source:HGNC						
Symbol;Acc:HGNC:17493]"	-	599	796	620	906	691
768	11.69707834	14.00944805	11.68926179			
20.33244476	17.15436977	14.42253488				
ENSG00000144711	1262.916837	1199.847772	1284.887462			
1001.780862	899.3874871	1026.568946	1249.217357			
975.9124318	0.355633734	0.021580221	1	IQSEC1	3	
12897220	13283281	-	8550	protein_coding		
IQ motif and Sec7 domain 1 [Source:HGNC Symbol;Acc:HGNC:29112]						
-	1313	1379	1381	909	742	1112
7.425057614	7.028404517	7.54003913	5.907582729			
5.33439475	6.047413856					
ENSG00000147133	1788.090176	1549.622105	1858.016119			
1383.09679	1306.657293	1429.072598	1731.909467			
1372.942227	0.334670546	0.021598995	1	TAF1	X	
71366239	71532374	+	10860	protein_coding		
TATA-box binding protein associated factor 1 [Source:HGNC						
Symbol;Acc:HGNC:11535]	-	1859	1781	1997	1255	1078
1548	8.276577404	7.146488381	8.584090259			
6.421344117	6.101495507	6.627842037				
ENSG00000129255	2164.175845	2025.558821	1828.243202			
2257.03763	2573.314872	2655.047023	2005.992623			
2495.133175	-0.314948811	0.021692736	1	MPDU1	17	
7583529	7592789	+	3270	protein_coding		
dolichol utilization defect 1 [Source:HGNC Symbol;Acc:HGNC:7207]						
-	2250	2328	1965	2048	2123	2876
33.26871158	31.02371635	28.05180672	34.80120192			
39.90704785	40.89518218					
ENSG00000235286	8.656703379	8.700854042	9.304036652	0		
0	0	8.887198024	0	5.493573515		
0.021723174	1	AP000925.1	11	111670956		
111672404	-	1449	processed_pseudogene	keratin	8	
(KRT8) pseudogene	-	9	10	10	0	0
0	0.300313835	0.300739319	0.322164476	0		

0	0						
ENSG00000126001	2675.8832		1707.977649		2168.770944		
1535.182333	1461.807695		1917.431386		2184.210597		
1638.140471	0.414335577		0.021780769		1	CEP250	20
35455164	35519280		+		16295	protein_coding	
	centrosomal protein 250		[Source:HGNC		Symbol;Acc:HGNC:1859]		
-	2782	1963	2331	1393	1206	2077	
8.254750996	5.249579687		6.677808253		4.750166093		
4.549255232	5.926702802						
ENSG00000166669	15.3896949		6.09059783		5.582421991		0
0	0	9.020904905	0		5.514430929		
0.021789817	1	ATF7IP2	16	10326434		10483638	
+	6391	protein_coding	activating		transcription		
factor 7 interacting protein 2		[Source:HGNC			Symbol;Acc:HGNC:20397]		
-	16	7	6	0	0	0	
0.12104654	0.047729603		0.04382566		0	0	0
ENSG00000214425	376.085669		190.5487035		315.4068425		
214.9034853	143.0292769		151.4004561		294.0137383		
169.7777394	0.791729881		0.02183683		1	LRRC37A4P	
17	45506741		45550335		-	6924	
transcribed_unprocessed_pseudogene			"leucine rich repeat				
containing 37 member A4, pseudogene			[Source:HGNC				
Symbol;Acc:HGNC:25479]"	-	391	219	339	195	118	
164	2.730366298		1.378306021		2.285539202		
1.564910829	1.047544083		1.101330856				
ENSG00000175166	13439.05107		11920.17004		11742.62466		
14142.85347	14431.41162		15186.20428		12367.28192		
14586.82313	-0.23819801		0.021851674		0.186367697		PSMD2
3	184298709		184309054		+	5453	
protein_coding	"proteasome 26S		subunit, non-ATPase 2		[Source:HGNC		
Symbol;Acc:HGNC:9559]"	-	13972	13700	12621	12833	11906	
16450	123.8865891		109.4822382		108.0449082		
130.7689812	134.2077949		140.2689102				
ENSG00000267405	14.42783896		3.480341617		9.304036652		0
0	0	9.070739078	0		5.522156096		
0.021859805	1	AC005180.1	17		44794747		
44797783	-	587	lincRNA	novel	transcript		-
15	4	10	0	0	0	1.235533071	
0.296948057	0.795257795		0	0	0		
ENSG00000185860	0	26.10256213	7.443229322		0	0	
0	11.18193048		0	5.82624182	0.021925691		
1	CCDC190	1	162824458		162868815		-
4316	protein_coding	coiled-coil	domain	containing	190		
[Source:HGNC		Symbol;Acc:HGNC:28736]	-	0	30	8	
0	0	0	0	0.302899402	0.086527586		
0	0	0					
ENSG00000075407	814.6919735		616.8905516		666.1690243		
569.7697534	456.9664186		475.4343591		699.2505165		
500.7235104	0.481513234		0.02192924		1	ZNF37A	10
38094334	38150293		+		13190	protein_coding	

	zinc finger protein 37A [Source:HGNC Symbol;Acc:HGNC:13102]					
	zf-C2H2	847	709	716	517	377 515
3.104844336		2.342394488		2.534044648		2.177999578
1.756887346		1.815488288				
ENSG00000147439		537.6774654		475.9367161		507.0699975
318.4979859		313.9371417		418.1976013		506.8947263
350.2109096		0.531712698		0.021957576		1 BIN3 8
	22620418		22669148	-	5080	protein_coding
	bridging integrator 3 [Source:HGNC Symbol;Acc:HGNC:1054]					
	-	559	547	545	289	259 453
5.320461588		4.692261548		5.008167272		3.161157789
3.133887571		4.146345695				
ENSG00000233276		5753.822179		6447.332845		6796.598774
7009.159828		7444.795075		8593.82223		6332.5846
7682.592378		-0.278915146		0.021962535		0.186367697 GPX1
	3	49357171		49358600		- 1430
	polymorphic_pseudogene glutathione peroxidase 1 [Source:HGNC					
	Symbol;Acc:HGNC:4553]					
	-		5982	7410	7305	6360 6142
	9309	202.2607381		225.8087508		238.46806
247.1343547		264.0104606		302.6899565		
ENSG00000111215		7.694847448		5.220512425		13.95605498 0
	0	0	8.957138284	0	5.504543031	
0.022021653		1	PRR4	12	10845849	10849475
	-	1310	protein_coding		proline rich 4 [Source:HGNC	
	Symbol;Acc:HGNC:18020]					
	-	8	6	15	0	0
	0	0.295270397		0.199589896		0.53452251 0
	0	0				
ENSG00000161547		4266.79291		4539.235554		4451.981538
4667.262873		5678.747139		5737.523382		4419.336667
5361.177798		-0.278743611		0.02210035		0.186367697 SRSF2
	17	76734115		76737374		- 3017
	protein_coding serine and arginine rich splicing factor 2					
	[Source:HGNC Symbol;Acc:HGNC:10783]					
	-			4436	5217	4785
	4235	4685	6215	71.0914617	75.35362062	
74.0376572		77.99919996		95.45125552		95.78485385
ENSG00000135926		2521.986251		3170.591213		3107.548242
3580.622686		3830.275552		3448.05307		2933.375235
3619.650436		-0.303011831		0.022128626		0.186367697 TMBIM1
	2	218274192		218292586		- 5098
	protein_coding transmembrane BAX inhibitor motif containing 1					
	[Source:HGNC Symbol;Acc:HGNC:23410]					
	-			2622	3644	3340
	3249	3160	3735	24.86761143	31.14849982	
30.58388637		35.41293513		38.10084536		34.06605107
ENSG00000197124		0.961855931		0	0	48.49104284 0
	0	0.320618644		16.16368095		-5.61524539
0.022158596		1	ZNF682	19	19997058	20039506
	-	4968	protein_coding		zinc finger protein 682	
	[Source:HGNC Symbol;Acc:HGNC:28857]					
	-		zf-C2H2	1	0	0
	44	0	0	0.009732393	0	0
0.492133731		0		0		

ENSG00000243927	1237.908583	1315.569131	1411.42236			
1713.717537	1878.7744	1470.615406	1321.633358			
1687.702448	-0.352108659	0.022194249	1	MRPS6	21	
34073224	34143034	+	4299	protein_coding		
mitochondrial ribosomal protein S6 [Source:HGNC						
Symbol;Acc:HGNC:14051]	-	1287	1512	1517	1555	1550
1593	14.47479155	15.32649839	16.47267657			
20.09902507	22.16213588	17.22976479				
ENSG00000146197	64.44434737	32.19315996	55.82421991	0		
14.5453502	17.54029674	50.82057575	10.69521565			
2.243275234	0.022227477	1	SCUBE3	6		
35214419	35253079	+	7356			
protein_coding "signal peptide, CUB domain and EGF like domain						
containing 3 [Source:HGNC Symbol;Acc:HGNC:13655]"						
	-				67	
37	60	0	12	19	0.440386806	
0.219188922	0.380763724	0	0.100273664	0.12009997		
ENSG00000246225	0	0	17.63310649	0		
12.92442918	0	10.18584522	-5.91337538	0.022242866		
1	AC006299.1	11	22829380	22945393		
+	2421	antisense	"novel transcript, antisense			
to SVIP"	-	0	0	0	16	0
0	0	0	0.367229226	0	0.268883569	
ENSG00000183696	1228.290024	1031.051204	1098.806729			
1320.278848	1506.655858	1462.306844	1119.382652			
1429.747183	-0.353216851	0.022257879	1	UPP1	7	
48088628	48108733	+	4577	protein_coding		
uridine phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12576]						
-	1277	1185	1181	1198	1243	1584
13.48997676	11.28225823	12.04522789	14.54413675			
16.69312235	16.09182433					
ENSG00000130518	202.9516014	119.2017004	98.62278851			
22.04138311	103.0295639	46.15867564	140.2586968			
57.07654088	1.301080801	0.022287498	1	IQCN	19	
18257097	18274509	-	9154	protein_coding		
IQ motif containing N [Source:HGNC Symbol;Acc:HGNC:29350]						
-	211	137	106	20	85	50
1.114481243	0.652181172	0.540556374	0.121403479			
0.570762429	0.2539745					
ENSG00000197771	3225.102936	3410.734785	3165.233269			
4184.556583	3966.032153	3659.459804	3267.023663			
3936.682847	-0.268793747	0.022366025	0.186789966	MCMBP		
10	119829404	119892556	-	6000		
protein_coding minichromosome maintenance complex binding protein						
[Source:HGNC Symbol;Acc:HGNC:25782]						
	-		3353	3920	3402	
3797	3272	3964	27.01988645	28.47038987		
26.46848566	35.16425254	33.52041639	30.71944842			
ENSG00000149485	5233.45812	4541.84581	5491.242432			
10895.05567	8593.877741	5167.002151	5088.848787			
8218.645187	-0.691509001	0.02238224	0.186789966	FADS1		
11	61799625	61829318	-	10230		

protein_coding fatty acid desaturase 1 [Source:HGNC
 Symbol;Acc:HGNC:3574] - 5441 5220 5902 9886 7090
 5597 25.71605279 22.23583625 26.93206211
 53.69786467 42.60082029 25.43962419
 ENSG00000172296 630.9774907 464.6256059 374.0222734
 469.4814602 192.7258901 169.8639263 489.8751233
 277.3570922 0.821208016 0.022386786 1 SPTLC3 20
 13008979 13169103 + 8520 protein_coding
 serine palmitoyltransferase long chain base subunit 3
 [Source:HGNC Symbol;Acc:HGNC:16253] - 656 534 402
 426 159 184 3.722763619 2.731242489
 2.202584071 2.77831861 1.147109535 1.004174633
 ENSG00000204580 934.9239649 948.3930906 1114.623591
 627.0773494 823.0243986 786.5438328 999.3135488
 745.548527 0.422651191 0.022396599 1 DDR1 6
 30876421 30900156 + 9122 protein_coding
 discoidin domain receptor tyrosine kinase 1 [Source:HGNC
 Symbol;Acc:HGNC:2730] - 972 1090 1198 569 679
 852 5.152018496 5.207089324 6.130738413
 3.466045361 4.575378916 4.342907156
 ENSG00000177000 1128.257007 856.1640378 815.9640144
 577.4842374 766.0551103 689.610614 933.4616864
 677.7166539 0.461968181 0.02240556 1 MTHFR 1
 11785723 11806920 - 11978 protein_coding
 methylenetetrahydrofolate reductase [Source:HGNC
 Symbol;Acc:HGNC:7436] - 1173 984 877 524 632
 747 4.734944794 3.57988757 3.417915491
 2.43085482 3.243247782 2.899795097
 ENSG00000137100 739.6672109 747.4033622 853.180161
 1005.08707 1035.144089 1003.489608 780.083578
 1014.573589 -0.379101227 0.02253093 1 DCTN3 9
 34613545 34620523 - 3740 protein_coding
 dynactin subunit 3 [Source:HGNC Symbol;Acc:HGNC:2713] -
 769 859 917 912 854 1087 9.941592418
 10.00875733 11.44573718 13.54987472 14.03568551
 13.514157
 ENSG00000032389 218.3412963 203.5999846 200.9671917
 273.3131505 315.1492542 376.6547932 207.6361575
 321.7057327 -0.632697585 0.022541077 1 EIPR1 2
 3188925 3377882 - 5775 protein_coding EARP complex
 and GARP complex interacting protein 1 [Source:HGNC
 Symbol;Acc:HGNC:12383] - 227 234 216 248 260
 408 1.900531557 1.765722563 1.746014309
 2.386226893 2.767379501 3.285028885
 ENSG00000204959 23.08454234 12.18119566 11.16484398
 1.102069155 2.424225033 0 15.47686066 1.175431396
 3.771538086 0.022541959 1 ARHGEF34P 7
 144272445 144286966 - 4532
 unprocessed_pseudogene "Rho guanine nucleotide exchange factor 34,
 pseudogene [Source:HGNC Symbol;Acc:HGNC:38086]" - 24 14

12	1	2	0	0.256048689	0.134616016
0.123605382		0.012260894		0.027126106	0
ENSG00000132394	1200.396202		1187.666577	1175.099829	
1259.665045	1624.230772		1731.87351	1187.720869	
1538.589775	-0.373686643		0.022570969	1	EEFSEC 3
128153454	128408646		+	2421	protein_coding
"eukaryotic elongation factor, selenocysteine-tRNA specific					
[Source:HGNC Symbol;Acc:HGNC:24614]" -					
				1248	1365 1263
1143	1340	1876	24.92418765	24.56950799	
24.35311934	26.23393781		34.02180642	36.03039827	
ENSG00000260306	22.12268641		4.350427021	1.86080733	0
0	0	9.444640254	0	5.580213536	
0.022582393	1	AC092375.2	16	21794095	
21795759	-	1665	lincRNA novel transcript		-
23	5	2	0	0	0.667905185
0.130862244		0.056074033	0	0	0
ENSG00000132613	692.5362703		853.5537816	726.6452625	
531.1973329	623.0258334		512.3612996	757.5784381	
555.5281553	0.448607869		0.022684933	1	MTSS1L 16
70661204	70686066		-	4999	protein_coding
"MTSS1L, I-BAR domain containing [Source:HGNC					
Symbol;Acc:HGNC:25094]" -					
			720	981	781 482 514
555	6.963868733		8.551542695	7.293129631	
5.357669814	6.320149369		5.162271771		
ENSG00000258976	82.71961006		96.57947987	78.15390788	
3.306207466	42.42393807		35.08059348	85.81766594	
26.93691301	1.672155666		0.022689647	1	AC013451.2
14	74614693		74616647	-	717
lincRNA novel transcript			-	86	111 84 3
35	38	5.79936592	6.746249841	5.468977873	
0.232495281		3.000518086	2.464310679		
ENSG00000180089	19.23711862		21.75213511	36.28574294	
41.87862791	65.45407588		109.857648	25.75833222	
72.39678393	-1.49326888		0.022745783	1	TMEM86B 19
55226639	55229264		-	2626	protein_coding
transmembrane protein 86B [Source:HGNC Symbol;Acc:HGNC:28448]					
-	20	25	39	38	54 119
0.368244688	0.414862218		0.693291573	0.804083071	
1.263998033	2.107090833				
ENSG00000252777	26.93196607		0	6.512825656	0 0
0	11.14826391		0	5.819383232	0.022796876
1	RF00422 1		28689665	28689794	+
130	scaRNA		-	28	0 7 0
0	0	10.41395977	0	2.513626368	0
0	0				
ENSG00000203943	40.3979491		26.10256213	11.16484398	
5.510345777	4.848450065		0	25.88845174	3.452931947
2.93035246	0.022944796		1	SAMD13 1	
84298366	84389957		+	3455	protein_coding
sterile alpha motif domain containing 13 [Source:HGNC					

Symbol;Acc:HGNC:24582]	-	42	30	12	5	4
0	0.587763286	0.378383161	0.162135916			
0.080414432	0.071163828	0				
ENSG00000105928	2153.595429	1708.847734	1711.01234			
1294.931258	1558.776696	1496.464264	1857.818501			
1450.057406	0.357400535	0.022967187	1	GSDME	7	
24698351	24758113	-	8843	protein_coding		
gasdermin E [Source:HGNC	Symbol;Acc:HGNC:2810]	-	2239			
1964	1839	1175	1286	1621	12.2420933	
9.678330671	9.707963617	7.383296092	8.938995194			
8.52343018						
ENSG00000214026	840.6620836	503.7794491	766.6526201			
936.7587821	1541.807121	729.3070751	703.6980509			
1069.290993	-0.602999444	0.022981043	1	MRPL23	11	
1947278	1984522	+	2975	protein_coding	mitochondrial	
ribosomal protein L23 [Source:HGNC	Symbol;Acc:HGNC:10322]	-				
874	579	824	850	1272	790	14.2044911
8.481061088	12.92963537	15.87610634	26.2813398			
12.34727552						
ENSG00000236526	0	11.31111026	21.3992843	0	0	
0	10.90346485	0	5.788958972	0.022987026		
1	AL035448.1	20	11909404	11918677		
-	1831	antisense	novel transcript	-		
0	13	23	0	0	0	
0.309395224	0.586388612	0	0	0		
ENSG00000268379	8.656703379	12.18119566	5.582421991	0		
0	0	8.806773676	0	5.48086395		
0.023066237	1	AC025588.1	19	57175233		
57177921	+	2072	processed_pseudogene			
pentatricopeptide repeat domain	3	pseudogene	-	9	14	
6	0	0	0	0.21001677	0.29444005	
0.135178473	0	0	0			
ENSG00000197776	86.56703379	88.74871123	67.91946756			
29.7558672	39.99971304	32.31107295	81.07840419			
34.02221773	1.254671207	0.0230815	1	KLHDC1	14	
49693105	49753152	+	3006	protein_coding		
kelch domain containing 1 [Source:HGNC	Symbol;Acc:HGNC:19836]					
-	90	102	73	27	33	35
1.447620584	1.478665	1.133652421	0.499099152			
0.674795727	0.541389821					
ENSG00000156381	565.5712874	544.6734631	628.022474			
694.3035679	806.0548233	841.0110701	579.4224082			
780.4564871	-0.430043874	0.023096401	1	ANKRD9	14	
102501760	102509799	-	7215	protein_coding		
ankyrin repeat domain 9 [Source:HGNC	Symbol;Acc:HGNC:20096]					
-	588	626	675	630	665	911
3.940417209	3.780912228	4.367304501	4.85194934			
5.665427288	5.871013239					
ENSG00000230989	3442.482377	4071.129606	3613.687836			
4259.497286	4504.210111	4668.488454	3709.09994			

4477.398617	-0.271562177	0.023153213	0.192144665	HSBP1
16	83807843	83819737	+ 9525	
protein_coding	heat shock factor binding protein 1 [Source:HGNC			
Symbol;Acc:HGNC:5203]	-	3579 4679	3884 3865	3716
5057	18.16761553	21.40654896	19.03532397	
22.54740457	23.98049156	24.68646967		
ENSG00000263766	36.55052538	2.610256213	7.443229322	
2.204138311	0 0	15.5346703	0.73471277	
4.417210564	0.023182795	1 AC025682.1	17	
47603860	47649420	- 1242	antisense	"novel
transcript, antisense to NPEPPS"		-	38 3	8
2	0 0	1.479323707	0.105258762	
0.300686844	0.08947886	0 0		
ENSG00000217416	0.961855931	3.480341617	1.86080733	
12.12276071	14.5453502	27.69520538	2.101001626	
18.12110543	-3.102772346	0.023223361	1 ISCA1P1	5
62776877	62777263	-	387	
processed_pseudogene	iron-sulfur cluster assembly 1 pseudogene 1			
[Source:HGNC Symbol;Acc:HGNC:33263]	-	1	4	2
11	12 30	0.124936764	0.450409585	
0.241248747	1.579405928	1.905976937	3.604469109	
ENSG00000226284	0 3.480341617	3.721614661	44.08276622	
4.848450065	18.46347025	2.400652093	22.46489551	
-3.219879986	0.023242441	1	ARPC3P1	20
49134480	49135012	+ 533	processed_pseudogene	
actin related protein 2/3 complex subunit 3 pseudogene 1				
[Source:HGNC Symbol;Acc:HGNC:16092]	-	0	4	4
40	4 20	0	0.327032851	0.350331201
4.170084218	0.461296482	1.744752401		
ENSG00000204673	2974.058538	2233.509233	2904.720243	
2791.541171	3728.4581	3942.874073	2704.096005	
3487.624448	-0.367342181	0.023318239	0.192144665	AKT1S1
19	49869033	49878459	- 5737	
protein_coding	AKT1 substrate 1 [Source:HGNC Symbol;Acc:HGNC:28426]			
-	3092 2567	3122 2533	3076 4271	
26.05888635	19.49842878	25.40353091	24.53366233	
32.95708875	34.61590893			
ENSG00000100029	2573.926471	1997.716088	2612.573492	
2432.266626	3164.82578	3825.631037	2394.738684	
3140.907814	-0.391701218	0.02336712	0.192144665	PES1
22	30576625	30607083	- 4557	
protein_coding	pescadillo ribosomal biogenesis factor 1 [Source:HGNC			
Symbol;Acc:HGNC:8848]	-	2676 2296	2808 2207	2611
4144	28.39280482	21.95591056	28.76498227	
26.91134155	35.21885264	42.28357863		
ENSG00000234899	0 0	0 0	10.90901265	
19.38664377	0 10.09855214	-5.900924669	0.023393357	
1	SOX9-AS1	17 72034107	72237203	
-	10700	processed_transcript	SOX9 antisense RNA	1
[Source:HGNC Symbol;Acc:HGNC:49321]	-	0	0	0

0	9	21	0	0	0	0	
0.051701851	0.091257073						
ENSG00000182472	8.656703379		0	24.19049529	0	0	
0	10.94906622		0	5.79395089	0.023494543		
1	CAPN12	19	38730187		38769904		-
5966	protein_coding		calpain 12	[Source:HGNC			
Symbol;Acc:HGNC:13249]	-		9	0	26	0	0
0	0.072939113		0	0.203439901	0	0	
0							
ENSG00000163655	3427.092682		3940.616796		3850.010367		
4767.551166	4355.120271		4373.07293		3739.239948		
4498.581456	-0.266633439		0.023539046		0.192144665		GMPS
3	155870536		155944026		+ 8885		
protein_coding	guanine monophosphate synthase		[Source:HGNC				
Symbol;Acc:HGNC:4378]	-		3563	4529	4138	4326	3593
4737	19.38918733		22.2128092		21.74097867		
27.05460058	24.85691031		24.79002534				
ENSG00000277142	215.4557285		208.820497		122.8132838		
96.98208568	94.54477627		106.164954		182.3631698		
99.2306053	0.877258974		0.023564027		1	LINC00235	
16	525155	527407	-	2253	lincRNA	long	
intergenic non-protein coding RNA	235	[Source:HGNC					
Symbol;Acc:HGNC:14138]	-		224	240	132	88	78
115	4.807154087		4.642037534		2.735009098		
2.170368732	2.128044823		2.373382123				
ENSG00000279342	195.256754		67.86666153		60.47623824		
42.98069706	24.24225033		56.31358428		107.8665513		
41.17884389	1.383810409		0.023649216		1	AP000866.6	
11	124789240		124792818		-	3579	
sense_intronic	"novel transcript, sense intronic to MSANTD2"						-
203	78	65	39	20	61	2.742430031	
0.949711074		0.847808359		0.605501122		0.343491233	
0.792499788							
ENSG00000232491	0	0	0	0	0	37.85011402	
0	12.61670467		-6.224163289		0.023761645	1	
SAPCD2P3	7		66556216		66557065		+
850	processed_pseudogene		suppressor APC domain				
containing 2 pseudogene 3	[Source:HGNC		Symbol;Acc:HGNC:51279]				-
0	0	0	0	0	41	0	0
0	0	0	2.242827896				
ENSG00000273682	0	0	0	12.12276071		6.060562582	
6.462214589	0		8.215179293		-5.601097903		
0.023772958	1	AC109583.2	3		46918807		
46918935	-	129	processed_pseudogene		biliverdin		
reductase B (flavin reductase (NADPH) (BLVRB) pseudogene							-
0	0	0	11	5	7	0	0
0	4.738217785		2.382471171		2.523128376		
ENSG00000145425	22089.98331		27767.03551		26859.82341		
28670.32908	32734.31062		30435.18437		25572.28074		
30613.27469	-0.259543586		0.023786561		0.192144665		RPS3A

4	151099573	151104652	+	2341		
protein_coding	ribosomal protein S3A [Source:HGNC					
Symbol;Acc:HGNC:10421]	-	22966	31913	28869	26015	27006
32968	474.3349912	594.0524841		575.6736652		
617.4964429	709.0979173	654.8204078				
ENSG00000085224	3214.522521	2499.755366		2560.470887		
2262.547976	2254.52928	2119.606385		2758.249591		
2212.227881	0.318265222	0.023816999		0.192144665		ATRX
X	77504878	77786233		-	19266	
protein_coding	"ATRX, chromatin remodeler [Source:HGNC					
Symbol;Acc:HGNC:886]"	-	3342	2873	2752	2053	1860
2296	8.387182751	6.498343553		6.668112363		
5.921196	5.934289763	5.541295954				
ENSG00000232712	0	18.27179349	13.95605498	0	0	
0	10.74261616	0	5.767999407	0.023877895		
1	KIZ-AS1 20	21154023		21218289		-
5451	antisense	KIZ antisense RNA 1 [Source:HGNC				
Symbol;Acc:HGNC:51231]	-	0	21	15	0	0
0	0	0.167881063	0.128457987	0	0	
0						
ENSG00000198356	1968.919091	1922.018658		2304.609879		
2252.629354	2666.647536	2856.298848		2065.182542		
2591.858579	-0.32794476	0.023878854		1	ASNA1	19
12737139	12748323	+		1652	protein_coding	
	"arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)					
[Source:HGNC Symbol;Acc:HGNC:752]"	-			2047	2209	2477
2044	2200	3094	59.91133764	58.26989971		
69.99419119	68.75161306	81.85778673		87.08458459		
ENSG00000198952	5650.903594	4817.662883		4885.549646		
5531.285091	6467.832387	6614.538219		5118.038708		
6204.551899	-0.277845836	0.023901065		0.192144665		SMG5
1	156249224	156282825		-	5304	
protein_coding	"SMG5, nonsense mediated mRNA decay factor					
[Source:HGNC Symbol;Acc:HGNC:24644]"	-			5875	5537	5251
5019	5336	7165	53.5556842	45.49143178		
46.21516828	52.58062256	61.83860241		62.81215554		
ENSG00000100767	10.58041524	21.75213511		26.05130263		0
0	4.615867564	19.46128432		1.538622521		
3.596122805	0.023901726	1	PAPLN	14	73237497	
73274640	+	7699	protein_coding	"papilin,		
	proteoglycan like sulfated glycoprotein [Source:HGNC					
Symbol;Acc:HGNC:19262]"	-	11	25	28	0	0
5	0.069081154	0.141502557		0.16977344		0
0	0.030197202					
ENSG00000230366	34.62681351	0	0.930403665	0	0	
0	11.85240573	0	5.907713058	0.023908801		
1	DSCR9	21	37208503	37221736		+
1901	lincRNA Down syndrome critical region 9 [Source:HGNC					
Symbol;Acc:HGNC:16301]	-	36	0	1	0	0
0	0.915633345	0	0.024556356	0	0	

0						
ENSG00000257038	13.46598303		10.44102485		2.791210996	0
0	0	8.899406293	0		5.495468341	
0.023913193	1	AP002761.3	11		73307235	
73309361	-	1695	antisense		novel transcript	
-	14	12	3	0	0	0
0.399355389	0.308510636		0.082622359		0	0
ENSG00000051108	1892.932472		2270.922905		2028.27999	
3477.028185	2158.772392		2495.338005		2064.045122	
2710.379527	-0.39299425		0.023943935		0.192144665	
HERPUD1	16	56932048	56944863		+	5155
protein_coding	homocysteine inducible ER protein with ubiquitin like domain 1 [Source:HGNC Symbol;Acc:HGNC:13744]				-	1968 2610
	2180	3155	1781	2703	18.45855249	22.06329823
	19.74121416		34.00812886		21.23648377	24.38082483
ENSG00000137168	2181.489251		2583.283565		2150.16287	
2788.234963	2727.253162		2991.082181		2304.978562	
2835.523435	-0.298902266		0.023965756		0.192144665	PPIL1
6	36854827		36875024		-	1810
protein_coding	peptidylprolyl isomerase like 1 [Source:HGNC Symbol;Acc:HGNC:9260]				-	2268 2969 2311 2530 2250
	3240	60.58508086	71.48093432		59.60290212	
77.67012247	76.4101942		83.23336512			
ENSG00000156486	26.93196607		14.79145187		2.791210996	
2.204138311	0	0	14.83820964		0.73471277	
4.35232232	0.02403504		1	KCNS2	8	98427022
98432848	+		5348	protein_coding	potassium	
voltage-gated channel modifier subfamily S member 2 [Source:HGNC Symbol;Acc:HGNC:6301]					-	28 17 3 2 0
	0	0.253144123	0.13852116		0.026186406	
0.020780244	0	0				
ENSG00000259363	0	19.14187889	13.02565131		0	0
0	10.72251007	0	5.765356724		0.024088696	
1	AC090825.1	15	99807023		99877148	
+	1291	lincRNA	ubiquitin conjugating enzyme E2 Q2			
pseudogene [Source:NCBI gene;Acc:400464]					-	0 22
	14	0	0	0	0.742600156	
0.506229943	0	0	0			
ENSG00000160271	191.4093303		154.0051166		211.201632	
54.00138862	129.6960392		106.164954		185.5386929	
96.62079394	0.941823535		0.024088719		1	RALGDS 9
133097720	133149334		-		7584	protein_coding
ral guanine nucleotide dissociation stimulator [Source:HGNC Symbol;Acc:HGNC:9842]					-	199 177 227 49 107
	115	1.26869132	1.017029475		1.397248232	
0.35901269	0.867227046		0.705067237			
ENSG00000276692	0	0	0	13.22482987	16.96957523	
0	0	10.0648017	-5.891132385		0.024089305	
1	CR769767.2	9	39873931		39874390	
-	460	processed_pseudogene	novel pseudogene			

-	0	0	0	12	14	0	0
0	0	1.449557536		1.870757798		0	
ENSG00000185825	6182.809924		6606.558474		7275.756662		
7000.343275	8924.784458		8483.964582		6688.37502		
8136.364105	-0.282702612		0.024196896		0.192685051		BCAP31
X	153700492		153724746		-	3533	
protein_coding	B cell receptor associated protein 31 [Source:HGNC						
Symbol;Acc:HGNC:16695]	-		6428	7593	7820	6352	7363
9190	87.96976811		93.65443759		103.3258892		
99.90308413	128.1027707		120.9491699				
ENSG0000010292	1699.59943		1745.391321		1444.916892		
2858.767389	1923.622563		1750.33698		1629.969214		
2177.575644	-0.417643331		0.024237035		1	NCAPD2	12
6493356	6531955	+	6487	protein_coding	non-SMC		
condensin I complex subunit D2	[Source:HGNC Symbol;Acc:HGNC:24305]						
-	1767	2006	1553	2594	1587	1896	
13.17024543	13.47552296		11.17567063		22.21969624		
15.03766442	13.59018764						
ENSG00000163191	4248.517647		4711.512464		4609.219757		
4612.159415	6170.864821		5925.850778		4523.083289		
5569.625005	-0.300234374		0.024243054		0.192685051		
S100A11 1	152032506		152047907		-	680	
protein_coding	S100 calcium binding protein A11 [Source:HGNC						
Symbol;Acc:HGNC:10488]	-		4417	5415	4954	4185	5091
6419	314.0651175		347.0149186		340.0894231		
341.9783348	460.1946278		438.9241544				
ENSG00000147471	969.5507784		1066.724706		1058.799371		
1237.623662	1539.382896		1221.358557		1031.691618		
1332.788372	-0.368742395		0.024346677		1	PLPBP	8
37762593		37779767	+	3428	protein_coding		
pyridoxal phosphate binding protein	[Source:HGNC						
Symbol;Acc:HGNC:9457]	-		1008	1226	1138	1123	1270
1323	14.21742465		15.58505196		15.4969947		
18.20333605	22.77247678		17.94527215				
ENSG00000282855	11.54227117		6.960683234		7.443229322		0
0	0	8.648727909	0	5.453962192			
0.024374265	1	AC093591.3	4	127809170			
127809477	+	308	processed_pseudogene	INTS3 and NABP			
interacting protein (INIP) pseudogene	-		12	8	8		
0	0	0	1.883786785		1.131873438		
1.212509936	0	0	0				
ENSG00000224533	0	0	0	5.510345777	15.75746271		
3.692694051	0	8.320167513		-5.616349738			
0.024376911	1	TMLHE-AS1	X	155466540			
155611616	+	1845	antisense	TMLHE antisense RNA 1			
[Source:HGNC Symbol;Acc:HGNC:44261]	-		0	0	0		
5	13	4	0	0	0	0.150586375	
0.433106141		0.100807917					
ENSG00000248449	5.771135586		26.97264753		0	0	0
0	10.91459437		0	5.791225238	0.024439294		

1	PCDHGB8P	5	141426286	141429158		
+	2873	transcribed_unitary_pseudogene	"protocadherin			
gamma subfamily	B, 8	pseudogene	[Source:HGNC Symbol;Acc:HGNC:8715]"			
-	6	31	0	0	0	0
0.100975693	0.47020221	0	0	0	0	
ENSG00000114854	11.54227117	4.350427021	10.23444032	0		
0	0	8.70904617	0	5.463689606		
0.024445905	1	TNNC1	3	52451102	52454070	
-	1168	protein_coding	"troponin C1, slow skeletal			
and cardiac type	[Source:HGNC Symbol;Acc:HGNC:11943]"	-	12			
5	11	0	0	0.496751995		
0.186545922	0.439638663	0	0	0		
ENSG00000273489	12.5041271	6.960683234	6.512825656	0		
0	0	8.659211998	0	5.455652878		
0.024503637	1	AC008264.2	7	131493964		
131497694	-	3731	antisense	"novel transcript,		
antisense to MKLN1"	-	13	8	7	0	0
0	0.168468737	0.093437957	0.0875828	0		
0	0					
ENSG00000197989	516.5166349	333.2427098	494.9747499			
316.2938476	313.9371417	264.0276246	448.2446982			
298.0862047	0.588958235	0.02454872	1	SNHG12	1	
28578538	28583132	-	4266	antisense		
small nucleolar RNA host gene 12	[Source:HGNC					
Symbol;Acc:HGNC:30062]	-	537	383	532	287	259
286	6.086318158	3.912339376	5.821525673			
3.738290863	3.731867994	3.117282778				
ENSG00000279953	52.9020762	6.960683234	10.23444032	0		
6.060562582	0	23.36573325	2.020187527			
3.578340814	0.024589414	1	AC117503.3	12		
123649068	123650485	+	1418	TEC	novel	
transcript	-	55	8	11	0	5
1.875373069	0.245851212	0.36212832	0			0
0.21674103	0					
ENSG00000114503	4660.191985	4596.661191	4241.71031			
4138.269679	3336.945757	3644.689028	4499.521162			
3706.634821	0.279571235	0.024648036	0.195059461	NCBP2		
3	196935402	196942597	-	5114		
protein_coding	nuclear cap binding protein subunit 2	[Source:HGNC				
Symbol;Acc:HGNC:7659]	-	4845	5283	4559	3755	2753
3948	45.80725571	45.01720059	41.61547963			
40.80010317	33.08970138	35.89611422				
ENSG00000135617	256.8155336	306.2700623	349.8317781			
438.6235239	421.8151557	468.9721445	304.3057913			
443.1369413	-0.54244337	0.024712748	1	PRADC1	2	
73228006	73233238	-	1407	protein_coding		
protease associated domain containing 1	[Source:HGNC					
Symbol;Acc:HGNC:16047]	-	267	352	376	398	348
508	9.175260015	10.90202475	12.47497785			
15.71813514	15.20311241	16.78806465				

ENSG00000125703	510.7454993	587.3076479	404.7255944			
403.3573109	340.6036171	260.3349306	500.9262472			
334.7652862	0.582871449	0.024713654	1	ATG4C	1	
62784135	62865513	+	3110	protein_coding		
autophagy related 4C cysteine peptidase [Source:HGNC						
Symbol;Acc:HGNC:16040]	-	531	675	435	366	281
282	8.255347299	9.458058188	6.529424489			
6.539322259	5.553839067	4.216185763				
ENSG00000169738	662.7187364	703.899092	721.9932442			
996.2705165	943.0235377	813.3158647	696.2036909			
917.5366396	-0.397643366	0.024728649	1	DCXR	17	
82035136	82037732	-	1902	protein_coding		
dicarbonyl and L-xylulose reductase [Source:HGNC						
Symbol;Acc:HGNC:18985]	-	689	809	776	904	778
881	17.51499129	18.53517141	19.04571339			
26.41009488	25.14296232	21.53755572				
ENSG00000123575	2432.533649	2344.880164	2087.825825			
1904.375501	1957.561714	1676.483099	2288.413213			
1846.140105	0.310262961	0.024759063	1	FAM199X	X	
104166620	104195902	+	7457	protein_coding		
"family with sequence similarity 199, X-linked [Source:HGNC						
Symbol;Acc:HGNC:25195]"	-	2529	2695	2244	1728	1615
1816	16.39781199	15.74900875	14.04768452			
12.87631637	13.31238116	11.32355305				
ENSG00000243402	25.0082542	0	7.443229322	0	0	
0	10.81716118	0	5.775907793	0.024769491		
1	AC022973.1	8	129864478	129865052		
+	575	processed_pseudogene	ribosomal	protein	L15	
(RPL15) pseudogene	-	26	0	8	0	0
0	2.186284721	0	0.649483583	0	0	
0						
ENSG00000134153	1049.384821	1325.140071	1259.766563			
1690.574084	1795.138637	1286.903877	1211.430485			
1590.872199	-0.392262921	0.024809818	1	EMC7	15	
34084017	34101948	-	1538	protein_coding		
ER membrane protein complex subunit 7 [Source:HGNC						
Symbol;Acc:HGNC:24301]	-	1091	1523	1354	1534	1481
1394	34.29806599	43.15212286	41.09683386			
55.42185628	59.18969243	42.14416527				
ENSG00000249915	2058.371692	1863.722936	1730.550817			
1486.691291	1442.413894	1601.706045	1884.215148			
1510.27041	0.318750343	0.024814677	1	PDCD6	5	
271621	353856	+	9493	protein_coding	programmed	
cell death 6 [Source:HGNC Symbol;Acc:HGNC:8765]						
Symbol;Acc:HGNC:8765]	-	2140	2142			
1860	1349	1190	1735	10.89962381	9.832740629	
9.146511804	7.896243137	7.705322859	8.498201343			
ENSG00000102900	2605.667717	1971.613526	1898.023477			
2705.579777	2849.676526	2622.73595	2158.434907			
2725.997417	-0.336831547	0.02488071	0.196055725			NUP93
16	56730105	56850286	+	11136		

protein_coding	nucleoporin 93	[Source:HGNC Symbol;Acc:HGNC:28958]				
-	2709	2266	2040	2455	2351	2841
11.76199524	8.867256698		8.551592171		12.24995005	
12.9768943	11.86241271					
ENSG00000247679	40.3979491		19.14187889		16.74726597	
47.38897368	78.78731356		84.93196317		25.42903132	
70.3694168	-1.470998816		0.024890314		1	AC139795.2
5	177611253		177619754		+	1751
antisense	novel transcript		-		42	22 18
43	65	92	1.159749946		0.547513879	
0.479879718	1.364565394		2.281784211		2.443051935	
ENSG00000187240	939.7332445		858.774294		1020.652821	
858.5118721	604.8441456		599.1396098		939.7201197	
687.4985425	0.451019993		0.024899302		1	DYNC2H1 11
103109410	103479863		+		15012	protein_coding
	dynein cytoplasmic 2 heavy chain 1	[Source:HGNC				
Symbol;Acc:HGNC:2962]	-	977	987	1097	779	499
649	3.146713653		2.865082914		3.411254391	
2.883440178	2.043192803		2.010190236			
ENSG00000228261	15.3896949		11.31111026		0.930403665	0
0	0	9.210402938	0		5.545003503	
0.024918374	1	AL162742.1	10		104323369	
104327004	+	954	lincRNA uncharacterized LOC101927472			
[Source:NCBI gene;Acc:101927472]			-		16	13 1
0	0	0	0.810910314		0.593818297	
0.048932529	0	0	0			
ENSG00000260194	0.961855931		17.40170808		9.304036652	0
0	0	9.222533556	0		5.548241239	
0.024938838	1	AC007496.1	16		53998313	
53999969	-	739	antisense		"novel transcript,	
antisense to FTO"		-	1	20	10	0 0
0	0.065426965		1.17935392		0.631686503	0
0	0					
ENSG00000279344	23.08454234		4.350427021		0.930403665	0
0	0	9.455124343	0		5.581816736	
0.024944977	1	AC007342.6	16		53478957	
53481550	-	2594	TEC	novel transcript		-
24	5	1	0	0	0	0.447344896
0.083996005	0.017996003		0		0	0
ENSG00000251323	2.885567793		0.870085404		25.12089896	0
0	0	9.625517386	0		5.608249357	
0.024998133	1	AP003086.1	11		78423982	
78429836	-	1642	lincRNA uncharacterized LOC101928865			
[Source:NCBI gene;Acc:101928865]			-		3	1 27
0	0	0	0.088338357		0.026539054	
0.767602971	0	0	0			
ENSG00000106261	1995.851057		1670.563976		1871.041771	
1531.876126	1432.716994		1479.847141		1845.818935	
1481.480087	0.316994783		0.025001081		1	ZKSCAN1 7
100015572	100041689		+		10319	protein_coding

	zinc finger with KRAB and SCAN domains 1 [Source:HGNC						
Symbol;Acc:HGNC:13101]	zf-C2H2	2075	1920	2011	1390	1182	
	1603	9.722584024	8.108158205	9.097467106			
7.484955651	7.040884567	7.223154894					
ENSG00000239288	6.732991517	1.740170808		18.6080733		0	
	0	9.027078543	0	5.51547432			
0.025150938	1	AC063923.1	3	109241507			
109243125	+	1619	processed_pseudogene	bromodomain			
containing 7 (BRD7)	pseudogene	-	7	2	20	0	
	0	0.209051076	0.053832152	0.576672422			
	0	0					
ENSG00000273893	78.87218634	47.85469723		40.93776127			
101.3903623	128.4839267	122.7820772		55.88821495			
117.5521221	-1.073727587	0.02520129		1	AL133520.1		
	20	46681676	46682375	-	700		
sense_intronic	"novel transcript, sense intronic to SLC13A3"					-	
	82	55	44	92	106	133	5.663918935
	3.423917149	2.934274046	7.303008918	9.307974513			
	8.834553785						
ENSG00000197081	2649.91309	1868.943448		2415.327915			
2032.215523	1728.472448	1618.323168		2311.394818			
1793.003713	0.366397326	0.025207431		1	IGF2R	6	
	159969099	160113507	+	17843	protein_coding		
	insulin like growth factor 2 receptor [Source:HGNC						
Symbol;Acc:HGNC:5467]	-	2755	2148	2596	1844	1426	
	1753	7.465432004	5.245960296	6.791768095			
5.742553962	4.912459809	4.568199466					
ENSG00000259563	16.35155083	5.220512425		4.652018326		0	
	0	8.741360526	0	5.468861267			
0.025214522	1	AC025430.1	15	44516650			
44517483	-	498	antisense	"novel transcript,			
antisense to CTDSPL2"	-	17	6	5	0	0	
	0	1.650520015	0.525025631	0.46869109		0	
	0	0					
ENSG00000147481	16.35155083	5.220512425		4.652018326		0	
	0	8.741360526	0	5.468861267			
0.025214522	1	SNTG1	8	49909789	50796691		
	+	10599	protein_coding	syntrophin gamma 1			
[Source:HGNC	Symbol;Acc:HGNC:13740]	-	17	6	5		
	0	0	0.077550615	0.024668626			
0.022021716	0	0	0				
ENSG00000130066	355.8866945	491.5982534		508.9308049			
502.5435349	848.4787614	645.2982854		452.1385842			
665.4401939	-0.556681564	0.02524277		1	SAT1	X	
	23783173	23786226	+	2498	protein_coding		
	spermidine/spermine N1-acetyltransferase 1 [Source:HGNC						
Symbol;Acc:HGNC:10540]	-	370	565	547	456	700	
	699	7.161607355	9.856315835	10.2221189			
10.14342103	17.22475154	13.01115228					
ENSG00000238121	0	0	1.86080733	0	38.78760052		

10.15490864	0.62026911	16.31416972	-4.72055407			
0.025254161	1	LINC00426	13	30340270		
30377145	-	3972	lincRNA long intergenic non-			
protein coding RNA 426	[Source:HGNC Symbol;Acc:HGNC:42761]					-
0	0	2	0	32	11	0
0.023505354	0	0.495208509	0.128769931			
ENSG00000229119	257.7773895	188.8085327	261.4434299			
250.1696983	545.4506323	368.3462316	236.009784			
387.9888541	-0.716674138	0.025260884	1	AC026403.1		
5	166382305	166382599	+	295		
processed_pseudogene	60S acidic ribosomal protein (RPLP0)					
pseudogene	-	268	217	281	227	450
						399
43.92522498	32.05503944	44.46623304	42.75785251			
93.76437389	62.89004389					
ENSG00000260279	173.1340676	124.4222128	148.8645864			
72.73656426	16.96957523	98.77956586	148.8069556			
62.82856845	1.237573684	0.025300113	1	AC137932.1		
16	89296128	89298317	+	1576		
antisense	uncharacterized LOC105371414	[Source:NCBI				
gene;Acc:105371414]	-	180	143	160	66	14
107	5.522268368	3.954015997	4.739252036			
2.327018125	0.546033367	3.1568837				
ENSG00000143549	14471.12248	15015.06382	15480.05618			
17908.62378	18925.92483	16044.75565	14988.74749			
17626.43475	-0.233772338	0.025336634	0.198795128			TPM3
1	154155304	154194648	-	8389		
protein_coding	tropomyosin 3	[Source:HGNC Symbol;Acc:HGNC:12012]				
-	15045	17257	16638	16250	15614	17380
86.71280083	89.64244686	92.58421772	107.6354212			
114.4066689	96.33200418					
ENSG00000273319	0	0	0	8.816553243	6.060562582	
9.231735127	0	8.036283651	-5.570401981			
0.025343548	1	AC058791.1	7	130936464		
130939661	+	3198	lincRNA novel transcript			-
0	0	0	8	5	10	0
0	0.139002807	0.096103434	0.145396033			
ENSG00000275131	330.8784402	200.9897284	244.6961639			
144.3710594	122.4233641	190.1737436	258.8547775			
152.3227224	0.762069122	0.025433567	1	AC241952.1		
1	120489860	120701289	-	9444		
transcribed_unprocessed_pseudogene	phosphodiesterase 4D					
interacting protein-like	[Source:NCBI gene;Acc:100996724]					-
344	231	263	131	101	206	1.761179739
1.065895428	1.300007345	0.77077454	0.657374352			
1.014243563						
ENSG00000118985	1616.87982	2070.803262	1991.994247			
2168.872098	2678.768661	2326.397252	1893.225776			
2391.346004	-0.336595276	0.025445238	1	ELL2	5	
95885098	95962071	-	7328	protein_coding		
elongation factor for RNA polymerase II 2	[Source:HGNC					

Symbol;Acc:HGNC:17064]	-	1681	2380	2141	1968	2210
2520	11.09132597	14.15305173	13.63883397			
14.92284668	18.53762845	15.98991291				
ENSG00000118263	1073.431219	988.4170192	879.2314636			
732.8759884	766.0551103	756.0791069	980.3599006			
751.6700685	0.38318431	0.025481035	1	KLF7	2	
207074137	207167267	-	9262	protein_coding		
Kruppel like factor 7 [Source:HGNC Symbol;Acc:HGNC:6350]						
zf-C2H2	1116 1136	945 665	632 819			
5.825867921	5.344808537	4.762917595	3.989595931			
4.194301655	4.111593239					
ENSG00000123892	9.618559309	10.44102485	5.582421991	0		
0	0	8.547335384	0	5.437486046		
0.025564647	1	RAB38 11	88113242	88175467		
-	1465	protein_coding	"RAB38, member RAS oncogene			
family [Source:HGNC Symbol;Acc:HGNC:9776]"			-	10	12	
6	0	0	0	0.33003773	0.356945753	
0.191187574	0	0	0			
ENSG00000151287	380.8949487	354.1247595	388.908732			
492.6249125	524.8447196	544.6723725	374.6428134			
520.7140015	-0.475336704	0.025590763	1	TEX30	13	
102765990	102773811	-	2154	protein_coding		
testis expressed 30 [Source:HGNC Symbol;Acc:HGNC:25188]						
396	407	418	447	433	590	8.888954915
8.233932606	9.058924052	11.53118309	12.35633168			
12.73612553						
ENSG00000199473	0	0	0	0	36.92694051	
0	12.30898017	-6.18856777	0.025605692	1		
RF00092	7	17373201	17373326	-	126	
snoRNA	-	0	0	0	0	0
40	0	0	0	0	14.76115921	
ENSG00000233762	282.7856437	335.852966	468.9234473			
543.3200936	406.057693	722.8448605	362.5206857			
557.407549	-0.621897251	0.025633412	1	AC007969.1		
2	171517270	171517716	-	447		
processed_pseudogene	ribosomal protein S15 (RPS15) pseudogene					
-	294	386	504	493	335	783
31.80101808	37.63036053	52.63432395	61.28461185			
46.06643923	81.44890632					
ENSG00000141503	2455.618192	2663.331422	3013.577472			
1744.575473	2117.560566	2506.416087	2710.842362			
2122.850709	0.352346893	0.025678051	0.200616599	MINK1		
17	4833388	4898061 +	7817	protein_coding		
misshapen like kinase 1 [Source:HGNC Symbol;Acc:HGNC:17565]						
2553	3061	3239	1583	1747	2715	15.79108311
17.06403823	19.34269001	11.2525991	13.73726111			
16.1495617						
ENSG00000237382	0	5.220512425	26.98170629	0	0	
0	10.73407291	0	5.765973482	0.025927575		
1	RPL21P121	17	18312760	18313533		

	+	465	processed_pseudogene	ribosomal protein L21		
pseudogene 121	[Source:HGNC Symbol;Acc:HGNC:36429]	-	0			
6	29	0	0	0	0	0.562285514
	2.911327622	0	0	0		
ENSG00000279897	31.74124572	0	1.86080733	0	0	
0	11.20068435	0	5.826080096	0.025949518		
1	BIRC6-AS2	2	32557273	32574818		
	-	1066	transcribed_unprocessed_pseudogene	BIRC6		
antisense RNA 2	[Source:HGNC Symbol;Acc:HGNC:50490]	-	33			
0	2	0	0	0	1.496779932	0
	0.0875828	0	0	0		
ENSG00000251667	31.74124572	0	1.86080733	0	0	
0	11.20068435	0	5.826080096	0.025949518		
1	BRCC3P1 5	176308063	176309013	+		
951	processed_pseudogene	BRCA1/BRCA2-containing complex				
subunit 3	pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:51444]	-				
33	0	2	0	0	0	1.677778557
	0	0.09817378	0	0	0	
ENSG00000125835	4366.825926	4509.65265	4589.68128			
5153.275371	5322.386059	5379.332059	4488.719952			
5284.99783	-0.235611168	0.025965313	0.201151678	SNRPB		
20	2461634	2470853	-	1278	protein_coding	small
nuclear ribonucleoprotein polypeptides B and B1	[Source:HGNC Symbol;Acc:HGNC:11153]	-	4540	5183	4933	4676
	5827	171.7616548	176.7294609	180.1881795		4391
203.3085731	211.1932062	212.0045503				
ENSG00000080824	36418.75111	31434.44548	31767.70274			
42751.46668	38182.75638	36757.99976	33206.96645			
39230.74094	-0.240497356	0.025965658	0.201151678			
HSP90AA1	14	102080738	102139699	-	5248	
member 1	[Source:HGNC Symbol;Acc:HGNC:5253]	-	37863	36128		
34144	38792	31501	39817	348.8368945	299.9913218	
	303.7152557	410.7337482	368.9588012	352.7814386		
ENSG00000281189	0	24.36239132	7.443229322	0	0	
0	10.60187355	0	5.749381872	0.026008345		
1	GHET1	7	148987527	148989432	+	
1906	lincRNA gastric carcinoma proliferation enhancing					
transcript 1	[Source:HGNC Symbol;Acc:HGNC:49425]	-	0			
28	8	0	0	0	0.640167663	
	0.195935499	0	0	0		
ENSG00000085552	107.7278643	38.28375779	42.7985686			
13.22482987	19.39380026	28.61837889	62.93673022			
20.41233634	1.618889202	0.026008402	1	IGSF9	1	
	159927039	159945604	-	6628	protein_coding	
immunoglobulin superfamily member 9	[Source:HGNC Symbol;Acc:HGNC:18132]	-	112	44	46	12
	31	0.817027622	0.289286905	0.323982362		16
0.100602967	0.148383238	0.217475437				
ENSG00000138336	110.6134321	60.9059783	67.91946756			

30.85793635	39.99971304	26.77203187	79.8129593		
32.54322709	1.296887519	0.026078329	1	TET1	10
68560656	68694482	+	9288	protein_coding	
tet methylcytosine dioxygenase 1 [Source:HGNC					
Symbol;Acc:HGNC:29484]	-	115	70	73	28 33
29	0.598655325	0.328423656	0.366899136		
0.16751275	0.218393191	0.145180006			
ENSG00000187522	464.5764146	542.0632068	420.5424567		
661.2414933	641.2075211	648.9909794	475.7273594		
650.4799979	-0.451087163	0.026080736	1	HSPA14	10
14838164	14871741	+	2644	protein_coding	
heat shock protein family A (Hsp70) member 14 [Source:HGNC					
Symbol;Acc:HGNC:29526]	-	483	623	452	600 529
703	8.832566104	10.26798424	7.980369862		
12.60961548	12.29820085	12.36302912			
ENSG00000253471	4.809279655	8.700854042	12.09524765		0
0	0	8.535127115	0	5.435513783	
0.026087099	1	AC012574.1	8	23707141	
23789487	+	252	lincRNA novel transcript		-
5	10	13	0	0	0.959335863
1.729251085	2.408179457	0	0	0	
ENSG00000063177	20364.41377	20955.13688	24467.75559		
22748.91151	27637.37748	29007.95812	21929.10208		
26464.74904	-0.27124712	0.026156534	0.201749092		RPL18
19	48615328	48619536	-	4209	
protein_coding ribosomal protein L18 [Source:HGNC					
Symbol;Acc:HGNC:10310]	-	21172	24084	26298	20642 22801
31422	243.2115391	249.3493788	291.6687035		
272.511536	332.9832049	347.1250191			
ENSG00000118473	2.885567793	6.09059783	1.86080733		
30.85793635	32.72703794	7.385388102	3.612324318		
23.65678746	-2.702292464	0.02618419	1	SGIP1	1
66533383	66748299	+	10477	protein_coding	
SH3 domain GRB2 like endophilin interacting protein 1					
[Source:HGNC Symbol;Acc:HGNC:25412]	-		3	7	2
28	27	8	0.013844763	0.029115194	
0.008911259	0.148502283	0.158406931	0.035504554		
ENSG00000143575	2007.393328	1952.471647	2018.975953		
2084.012773	2637.556835	2736.286292	1992.946976		
2485.951967	-0.319067287	0.026277624	1	HAX1	1
154272511	154275875	+	2155	protein_coding	
HCLS1 associated protein X-1 [Source:HGNC					
Symbol;Acc:HGNC:16915]	-	2087	2244	2170	1891 2176
2964	46.82484959	45.37683238	47.00656271		
48.7591693	62.06674596	63.95315037			
ENSG00000163354	0	4.350427021	27.91210996	0	0
0	10.75417899	0	5.768616295	0.02628403	
1	DCST2	1	155018520	155033781	-
3071	protein_coding	DC-STAMP domain containing 2			
[Source:HGNC Symbol;Acc:HGNC:26562]	-		0	5	30

0	0	0	0	0.07094941	0.456023763	
0	0	0				
ENSG0000052344	10.58041524	20.8820497	0	0	0	
0	10.48748831	0	5.733151275	0.026300911		
1	PRSS8	16	31131433	31135762	-	
3010	protein_coding	serine protease	8	[Source:HGNC		
Symbol;Acc:HGNC:9491]	-	11	24	0	0	0
0	0.17669628	0.347458823	0	0	0	
0						
ENSG00000103150	581.9228382	509.8700469	624.3008593			
346.0497148	351.5126297	496.6673498	572.0312482			
398.0765648	0.52117342	0.026331306	1	MLYCD	16	
83899126	83927026	+	16161	protein_coding		
malonyl-CoA decarboxylase	[Source:HGNC	Symbol;Acc:HGNC:7150]				
-	605	586	671	314	290	538
1.810040785	1.580112408	1.93820775	1.079626315			
1.103004103	1.54790771					
ENSG00000241697	0.961855931	12.18119566	13.95605498	0		
0	0	9.033035523	0	5.517806468		
0.026366489	1	TMEFF1	9	100473113	100577636	
+	2611	protein_coding	transmembrane	protein with EGF		
like and two follistatin like domains 1	[Source:HGNC					
Symbol;Acc:HGNC:11866]	-	1	14	15	0	0
0	0.018518011	0.233657519	0.268182493	0		
0	0					
ENSG00000271425	155.8206608	110.5008463	162.8206414			
105.7986389	52.1208382	52.62089023	143.0473829			
70.18012245	1.027736415	0.026391889	1	NBPF10	1	
146064699	146144804	-	13249	protein_coding		
NBPF member 10	[Source:HGNC	Symbol;Acc:HGNC:31992]				
162	127	175	96	43	57	0.591198238
0.41771418	0.6165964	0.40262448	0.199495322			
0.20004273						
ENSG00000105426	810.8445498	587.3076479	643.8393363			
474.991806	482.4207815	521.5930347	680.6638447			
493.0018741	0.464634777	0.026423675	1	PTPRS	19	
5158495	5340803	-	8565	protein_coding	"protein	
tyrosine phosphatase, receptor type S	[Source:HGNC					
Symbol;Acc:HGNC:9681]"	-	843	675	692	431	398
565	4.758843511	3.434274485	3.771592496			
2.796159535	2.856295035	3.067270648				
ENSG00000004142	4066.726876	4114.633877	3933.746696			
4206.597966	4981.782442	5598.124181	4038.36915			
4928.834863	-0.287651643	0.026463676	0.201749092			
POLDIP2	17	28347177	28357522	-	2121	
protein_coding	DNA polymerase delta interacting	protein 2				
[Source:HGNC	Symbol;Acc:HGNC:23781]	-	4228	4729	4228	
3817	4110	6064	96.38190959	97.15994119		
93.05513552	99.99851141	119.1100792	132.9381229			
ENSG00000232352	16.35155083	6.960683234	2.791210996	0		

0	0	8.701148352	0	5.462415062	
0.026508719	1	SEMA3B-AS1	3	50266641	
50267371	-	338	antisense	SEMA3B antisense RNA 1	
(head to head)	[Source:HGNC	Symbol;Acc:HGNC:49096]	-	17	
8	3	0	0	2.431831264	
1.031411298	0.414334017	0	0	0	
ENSG00000076108	1817.907709	1322.529814	1751.950102		
1368.769891	1175.749141	1237.052507	1630.795875		
1260.523846	0.371256447	0.026543128	1	BAZ2A	12
56595596	56636816	-	10918	protein_coding	
bromodomain adjacent to	zinc finger domain 2A	[Source:HGNC			
Symbol;Acc:HGNC:962]	MBD	1890	1520	1883	1242
1340	8.369893475	6.066791865	8.051063757		
6.321069269	5.461048135	5.706800972			
ENSG00000160410	2474.85531	2562.401515	2352.990869		
2803.663931	2995.130028	3116.633779	2463.415898		
2971.809246	-0.270758862	0.026620421	0.201749092	SHKBP1	
19	40576851	40591399	+	3936	
protein_coding	SH3KBP1 binding	protein 1	[Source:HGNC		
Symbol;Acc:HGNC:19214]	-	2573	2945	2529	2544
3376	31.60719188	32.60534554	29.99437214		2471
35.91485033	38.58913253	39.88213198			
ENSG00000105372	23467.361	28113.3295	28070.27858		
26732.8915	34245.81492	36204.09565	26550.32303		
32394.26736	-0.287016575	0.026621236	0.201749092	RPS19	
19	41859918	41872926	+	3799	
protein_coding	ribosomal protein S19	[Source:HGNC			
Symbol;Acc:HGNC:10402]	-	24398	32311	30170	24257
39217	310.5175493	370.6292608	370.7251525		28253
354.7969177	457.1330657	479.994314			
ENSG00000270231	1023.414711	993.6375316	973.2022338		
821.0415208	717.5706097	779.1584447	996.751492		
772.5901917	0.367216124	0.026654248	1	NBPF8	1
120436353	120467739	+	5330		
unprocessed_pseudogene	NBPF member 8	[Source:HGNC			
Symbol;Acc:HGNC:31990]	-	1064	1142	1046	745
844	9.651962711	9.336787887	9.16116091		592
7.766781856	6.827187933	7.362855134			
ENSG00000105676	2146.862438	2207.406671	2159.466907		
2098.339672	3041.190303	3228.337774	2171.245338		
2789.28925	-0.361524131	0.026659191	0.201749092	ARMC6	
19	19033575	19060311	+	4052	
protein_coding	armadillo repeat	containing 6	[Source:HGNC		
Symbol;Acc:HGNC:25049]	-	2232	2537	2321	1904
3497	26.63336065	27.28409973	26.73940502		2509
26.11016107	38.06085892	40.12889617			
ENSG00000131467	7066.755525	5846.103831	6235.565364		
6709.397018	8487.211839	8087.923145	6382.80824		
7761.510667	-0.282186175	0.026702086	0.201749092	PSME3	
17	42824385	42843758	+	5152	

protein_coding	proteasome activator subunit 3	[Source:HGNC				
Symbol;Acc:HGNC:9570]	-	7347	6719	6702	6088	7002
8761	68.95017964	56.83127304		60.72599018		
65.66150504	83.53983483	79.06947298				
ENSG00000256407	0	0	0	19.8372448	0	
9.231735127	0	9.689659975		-5.840639722	0.026722656	
1	AL357673.1	1		54132686	54200073	
-	3952	protein_coding	novel transcript			-
0	0	0	18	0	10	0
0	0.253085703	0		0.117656001		
ENSG00000066136	922.4198378	1052.803339		1352.806929		
1365.463684	1580.594721	1422.610383		1109.343369		
1456.222929	-0.392285514	0.026779731		1	NFYC	1
40691648	40771603	+		5990	protein_coding	
nuclear transcription factor Y subunit gamma	[Source:HGNC					
Symbol;Acc:HGNC:7806]	NF-YC	959	1210	1454	1239	1304
1541	7.740927523	8.802725225		11.33140129		
11.49361188	13.38129451	11.96208363				
ENSG00000102466	299.1371945	196.6393014		247.4873749		
98.08415483	89.69632621	214.176255		247.7546236		
133.9855787	0.882089369	0.026795516		1	FGF14	13
101710804	102402457	-		13759	protein_coding	
fibroblast growth factor 14	[Source:HGNC Symbol;Acc:HGNC:3671]					
-	311	226	266	89	74	232
1.092885678	0.715781		0.902486682		0.359430709	
0.330591901	0.78402901					
ENSG00000164031	1063.81266	1329.490498		1129.51005		
991.8622399	905.4480497	805.9304766		1174.271069		
901.0802554	0.38272802	0.026807782		1	DNAJB14	4
99896248	99946726	-		13078	protein_coding	
DnaJ heat shock protein family (Hsp40) member B14	[Source:HGNC					
Symbol;Acc:HGNC:25881]	-	1106	1528	1214	900	747
873	4.088980227	5.091439868		4.333346224		
3.823958937	3.510966042	3.103872898				
ENSG00000251474	401.0939232	324.5418558		294.0075582		
187.3517564	166.0594147	283.4142684		339.8811124		
212.2751465	0.676135995	0.026887559		1	RPL32P3	3
129382922	129399655	-		4504		
transcribed_unprocessed_pseudogene	ribosomal protein L32					
pseudogene 3	[Source:HGNC Symbol;Acc:HGNC:27024]					
373	316	170	137	307	4.4765031	417
3.608851799	3.275176707	2.097309786		1.869689743		
3.169355908						
ENSG00000066427	735.8197872	438.5230437		463.3410253		
369.1931671	373.330655	365.576711		545.8946187		
369.3668444	0.563214714	0.02692035		1	ATXN3	14
92044496	92106625	-		9665	protein_coding	
ataxin 3	[Source:HGNC Symbol;Acc:HGNC:7106]					
504	498	335	308	396	3.827020541	765
2.272413056	2.405323643	1.925994277		1.958827617		

1.905128815
ENSG00000166507 25.0082542 4.350427021 3.721614661 0
0 0.923173513 11.0267653 0.307724504
4.841664749 0.02693028 1 NDST2 10 73801911
73811798 - 4654 protein_coding N-deacetylase
and N-sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC:7681] -
26 5 4 0 0 1 0.270114679
0.046816854 0.04012173 0 0 0.009990901
ENSG00000260641 6.732991517 13.05128106 5.582421991 0
0 0 8.455564857 0 5.422410798
0.026977029 1 AC114811.2 4 98658904
98664550 + 5647 antisense "novel transcript,
antisense TSPAN5" - 7 15 6 0 0
0 0.059935132 0.11575295 0.049599751 0
0 0
ENSG00000101928 727.1630838 777.8563514 786.1910971
1115.293985 900.5995996 970.2553619 763.7368441
995.3829823 -0.382231617 0.027052425 1 MOSPD1 X
134887626 134915267 - 2675 protein_coding
motile sperm domain containing 1 [Source:HGNC
Symbol;Acc:HGNC:25235] - 756 894 845 1012 743
1051 13.66467244 14.56372032 14.74616056
21.0217453 17.07310014 18.26879691
ENSG00000233421 0 0 0 11.02069155 18.18168774
0 0 9.734126433 -5.842682675 0.027053866
1 LINC01783 1 16533886 16536172
- 2068 lincRNA long intergenic non-protein coding RNA
1783 [Source:HGNC Symbol;Acc:HGNC:52573] - 0 0
0 10 15 0 0 0 0
0.268696191 0.445849296 0
ENSG00000024048 1739.997379 1345.152035 1443.986488
1283.910566 1123.628303 1127.194859 1509.711967
1178.244576 0.357498994 0.027056021 1 UBR2 6
42564062 42693504 + 8840 protein_coding
ubiquitin protein ligase E3 component n-recognin 2
[Source:HGNC Symbol;Acc:HGNC:21289] - 1809 1546 1552
1165 927 1221 9.894355683 7.621067748
8.195689335 7.322943848 6.445770364 6.422356616
ENSG00000239521 211.6083048 120.9418712 106.0660178
49.59311199 112.726464 29.54155241 146.2053979
63.95370947 1.198779504 0.02708496 1 CASTOR3 7
100200653 100272232 - 4874 protein_coding
CASTOR family member 3 [Source:HGNC Symbol;Acc:HGNC:29954]
- 220 139 114 45 93 32
2.182420199 1.242761736 1.091855993 0.513025595
1.172856243 0.305277975
ENSG00000145020 29.81753386 0 2.791210996 0 0
0 10.86958162 0 5.782783416 0.027088157
1 AMT 3 49416775 49422753 -
5746 protein_coding aminomethyltransferase [Source:HGNC

Symbol;Acc:HGNC:473]	-	31	0	3	0	0
0	0.260853873	0	0.024372589	0	0	0
0						
ENSG00000173812	11734.64236	13966.61091	12660.93308			
15244.92263	14140.50462	15966.2859	12787.39545			
15117.23771	-0.241499967	0.027157785	0.203449352		EIF1	
17	41688885	41692668	+	3623		
protein_coding	eukaryotic translation initiation factor 1					
[Source:HGNC Symbol;Acc:HGNC:3249]	-	12200	16052	13608		
13833	11666	17295	162.8143625	193.0720531		
175.3363665	212.1583292	197.9251571	221.9643618			
ENSG00000205177	7.694847448	0.870085404	18.6080733	0		
0	0	9.057668719	0	5.520242762		
0.027199002	1	C11orf91	11	33698261		
33700801	-	891	protein_coding	chromosome 11 open		
reading frame 91	[Source:HGNC Symbol;Acc:HGNC:34444]	-	8			
1	20	0	0	0	0.434123704	
0.048908112	1.047848093	0	0	0		
ENSG00000128805	1279.268388	1299.907594	1907.327514			
1142.845714	1093.32549	1154.890064	1495.501165			
1130.353756	0.403678014	0.027211646	1	ARHGAP22		
10	48446034	48656265	-	6783		
protein_coding	Rho GTPase activating protein 22 [Source:HGNC					
Symbol;Acc:HGNC:30320]	-	1330	1494	2050	1037	902
1251	9.480495587	9.598146582	14.10841025			
8.495109535	8.173951955	8.575639396				
ENSG00000274554	24.04639827	0	7.443229322	0	0	
0	10.49654253	0	5.732499106	0.027225774		
1	AC083806.2	12	116948738	116951422		
-	2685	antisense	"novel transcript, antisense			
to FBXW8"	-	25	0	8	0	0
0.450191131	0	0.139088663	0	0	0	
ENSG00000183396	24.04639827	0	7.443229322	0	0	
0	10.49654253	0	5.732499106	0.027225774		
1	TMEM89	3	48620759	48621855	-	
662	protein_coding	transmembrane protein 89 [Source:HGNC				
Symbol;Acc:HGNC:32372]	-	25	0	8	0	0
0	1.825926265	0	0.56412849	0	0	
0						
ENSG00000174547	942.6188123	926.6409555	932.2644725			
1041.455352	1317.566305	1242.591548	933.8414135			
1200.537735	-0.362361492	0.027227582	1	MRPL11	11	
66435075	66466738	-	2539	protein_coding		
mitochondrial ribosomal	protein L11 [Source:HGNC					
Symbol;Acc:HGNC:14042]	-	980	1065	1002	945	1087
1346	18.66227528	18.2787084	18.42260568			
20.68145795	26.31565617	24.64979871				
ENSG00000066322	1815.983998	2210.016927	2181.796595			
2510.513536	2547.860509	2563.652845	2069.26584			
2540.67563	-0.295969936	0.027238126	1	ELOVL1	1	

43363397	43368074	-	2507	protein_coding
ELOVL fatty acid elongase 1 [Source:HGNC				
Symbol;Acc:HGNC:14418]	-	1888	2540	2345 2278 2102
2777	36.41236374	44.15073932	43.66510903	
50.49070438	51.53778364	51.50537623		
ENSG00000070018	957.0466513	802.2187427	747.1141431	
682.1808072	579.3897828	610.2176919	835.4598457	
623.9294273	0.420921547	0.02730622	1	LRP6 12
12116025	12267012	-	10337	protein_coding
LDL receptor related protein 6 [Source:HGNC				
Symbol;Acc:HGNC:6698]	-	995	922	803 619 478
661	4.654036457	3.886825135	3.626327846	
3.327424242	2.84237085	2.973294732		
ENSG00000101132	686.7651347	801.3486573	549.8685661	
748.3049565	1021.810851	1044.109243	679.3274527	
938.0750169	-0.465534075	0.027310382	1	PFDN4 20
54207847	54228052	+	1975	protein_coding
prefoldin subunit 4 [Source:HGNC Symbol;Acc:HGNC:8868]				
714	921	591	679	843 1131 17.47963374
20.32128319	13.96903536	19.10357809	26.23661696	
26.62726271				
ENSG00000105193	23293.26508	25828.48522	29949.69398	
28647.18563	33540.36544	32632.33733	26357.1481	
31606.62946	-0.262027246	0.027313076	0.203449352	RPS16
19	39433207	39435948	-	2603
protein_coding ribosomal protein S16 [Source:HGNC				
Symbol;Acc:HGNC:10396]	-	24217	29685	32190 25994 27671
35348	449.8289375	496.9600559	577.288418	
554.8952282	653.4284604	631.4248887		
ENSG0000010322	2488.321293	1645.331499	1860.80733	
1503.222328	1478.77727	1637.709812	1998.153374	
1539.903136	0.375379708	0.027324547	1	NISCH 3
52455118	52493071	+	9161	protein_coding
nischarin [Source:HGNC Symbol;Acc:HGNC:18006]				
1891	2000	1364	1220	1774 13.65383851
8.995125841	10.19138359	8.273390643	8.185859905	
9.004129872				
ENSG00000168268	4608.251765	4101.582596	4619.454198	
6838.339109	5939.35133	4215.210259	4443.096186	
5664.300233	-0.350127543	0.027330071	0.203449352	NT5DC2
3	52524385	52535054	-	4719
protein_coding 5'-nucleotidase domain containing 2 [Source:HGNC				
Symbol;Acc:HGNC:25717]	-	4791	4714	4965 6205 4900
4566	49.08823421	43.53095536	49.11513152	
73.06406856	63.8253879	44.99009891		
ENSG00000147804	0	0	0	36.36828213 0 0
0	12.12276071	-6.162006419	0.027370141	1
SLC39A4	8	144409742	144416895	- 5033
protein_coding solute carrier family 39 member 4 [Source:HGNC				
Symbol;Acc:HGNC:17129]	-	0	0	0 33 0

0	0	0	0	0.364333456	0	0
ENSG0000079246	9844.595453	9181.141186	8978.395369			
12927.27119	11442.34215	9543.767775	9334.710669			
11304.46037	-0.276117254	0.02741973	0.203449352			XRCC5
2	216107464	216206303	+ 5463			
protein_coding	X-ray repair cross complementing 5 [Source:HGNC					
Symbol;Acc:HGNC:12833]	-	10235	10552	9650	11730	9440
10338	90.58532837	84.17094048	82.45977561			
119.3105521	106.2155626	87.99061344				
ENSG0000081307	1383.148829	1207.678541	1149.048527			
937.8608513	1033.931976	956.4077592	1246.625299			
976.0668623	0.35313024	0.027431399	1	UBA5	3	
132654446	132678097	+	6827	protein_coding		
ubiquitin like modifier	activating enzyme 5 [Source:HGNC					
Symbol;Acc:HGNC:23230]	-	1438	1388	1235	851	853
1036	10.18427692	8.85968255	8.444677927			
6.926465907	7.680093168	7.056037345				
ENSG00000266412	3073.129699	3401.163845	3461.101635			
4065.533114	4358.756609	3608.685261	3311.798393			
4010.991661	-0.276002115	0.027500028	0.203449352			NCOA4
10	46005088	46030714	- 4079			
protein_coding	nuclear receptor coactivator 4 [Source:HGNC					
Symbol;Acc:HGNC:7671]	-	3195	3909	3720	3689	3596
3909	37.87201161	41.76096858	42.57309956			
50.25357859	54.18927467	44.55977438				
ENSG00000226555	0	39.15384319	0	0	0	0
13.05128106	0	6.049207729	0.027516533			1
AGKP1	Y	14639096	14640358	+		1263
processed_pseudogene	acylglycerol kinase pseudogene 1					
[Source:HGNC	Symbol;Acc:HGNC:37661]	-	0	45	0	0
0	0	0	0	1.552629241	0	0
0	0					
ENSG00000168010	202.9516014	214.0410094	248.4177786			
96.98208568	145.453502	151.4004561	221.8034632			
131.2786812	0.755988071	0.027572073	1	ATG16L2	11	
72814308	72843674	+	8617	protein_coding		
autophagy related 16 like 2	[Source:HGNC					
Symbol;Acc:HGNC:25464]	-	211	246	267	88	120
164	1.183934235	1.244049359	1.446442601			
0.567464402	0.855997534	0.884950081				
ENSG00000165637	2132.434599	2284.844272	2111.085916			
2811.378415	2916.342714	2323.627732	2176.121596			
2683.782954	-0.302004489	0.027591987	0.203449352			VDAC2
10	75210154	75231448	+ 2827			
protein_coding	voltage dependent anion channel 2 [Source:HGNC					
Symbol;Acc:HGNC:12672]	-	2217	2626	2269	2551	2406
2517	37.91762273	40.47878897	37.46750063			
50.14142748	52.31390926	41.39886411				
ENSG00000123144	3875.317546	3471.640763	4431.512657			
4032.47104	4975.721879	5806.761395	3926.156989			

4938.318105	-0.331134727	0.027703579	0.203455086	TRIR
19	12730640	12734775	- 1402	
protein_coding	telomerase RNA component interacting RNase			
[Source:HGNC Symbol;Acc:HGNC:28424]	-	4029	3990	4763
3659	4105 6290	138.9474146	124.0176449	
158.5910242	145.019512	179.975135	208.6092924	
ENSG00000242125	1079.202355	850.0734399	917.3780139	
763.7339247	728.4796223	670.2239702	948.8846028	
720.8125057	0.396765568	0.02775885	1 SNHG3	1
28505980	28510892	+	4088	
processed_transcript	small nucleolar RNA host gene 3 [Source:HGNC			
Symbol;Acc:HGNC:10118]	-	1122 977	986 693	601
726	13.27037472	10.41459233	11.25931744	
9.419641863	9.036722478	8.25765533		
ENSG00000231663	0 12.18119566	18.6080733	0 0	
0	10.26308965	0	5.701751151	0.02783987
1	AL355472.1	1	234372807	234373593
-	575 antisense		uncharacterized LOC101927765	
[Source:NCBI gene;Acc:101927765]		-	0 14	20
0	0 0	0	1.061008318	1.623708958
0	0 0			
ENSG00000104804	9.618559309	0	21.3992843	0 0
0	10.3392812	0	5.711214759	0.027952851
1	TULP2 19	48880965	48898733	-
2240	protein_coding	tubby like protein 2 [Source:HGNC		
Symbol;Acc:HGNC:12424]	Tub	10 0	23 0	0 0
0	0.215850569	0	0.479320334	0 0
0				
ENSG00000153922	2007.393328	1792.375933	1470.968195	
1531.876126	1237.566879	1327.523511	1756.912485	
1365.655505	0.363309947	0.028002348	1 CHD1	5
98853985	98928957	-	10437	protein_coding
chromodomain helicase DNA binding protein 1 [Source:HGNC				
Symbol;Acc:HGNC:1915]	-	2087 2060	1581 1390	1021
1438	9.668252455	8.601023508	7.071348191	
7.40033126	6.01308605	6.406402497		
ENSG00000170677	472.2712621	495.078595	431.7073006	
536.7076787	690.9041343	698.8423491	466.3523859	
642.1513874	-0.461565629	0.028016675	1 SOCS6	18
70288901	70330200	+	5984	protein_coding
suppressor of cytokine signaling 6 [Source:HGNC				
Symbol;Acc:HGNC:16833]	-	491 569	464 487	570
757	3.967264204	4.143613881	3.619698781	
4.522196401	5.855050308	5.882139403		
ENSG00000129654	0 0	0 0	8.484787614	
20.30981728	0 9.598201631	-5.828302574	0.028019472	
1	FOXJ1 17	76136333	76141299	-
2641	protein_coding	forkhead box J1 [Source:HGNC		
Symbol;Acc:HGNC:3816]	Fork	0 0	0 0	7
22	0 0	0 0	0.162920974	

0.387333712							
ENSG00000196993	3.847423724	18.27179349	3.721614661	0			
0	0	8.613610625	0	5.44982674			
0.028088991	1	NPIPB9	16	28751787	28772807		
+	2123	protein_coding	nuclear pore complex				
interacting protein family member B9 [Source:HGNC							
Symbol;Acc:HGNC:41987]	-	4	21	4	0	0	
0	0.091098497	0.431050247	0.087954089	0			
0	0						
ENSG00000128886	10.58041524	7.830768638	6.512825656	0			
0	0	8.308003178	0	5.396148083			
0.028093117	1	ELL3	15	43772600	43777543		
-	2880	protein_coding	elongation factor for RNA				
polymerase II 3 [Source:HGNC Symbol;Acc:HGNC:23113]	-					11	
9	7	0	0	0	0.184672154		
0.136178523	0.113462301	0	0	0			
ENSG00000131473	7206.224635	6189.787566	7205.045983				
9325.709193	8930.84502	6959.805112	6867.019395				
8405.453109	-0.291513331	0.028144356	0.205868677	ACLY			
17	41866908	41930542	-	5217			
protein_coding	ATP citrate lyase [Source:HGNC Symbol;Acc:HGNC:115]						
-	7492	7114	7744	8462	7368	7539	
69.43495342	59.42259613	69.29318814	90.12893264				
86.81127618	67.19298345						
ENSG00000132837	0	2.610256213	9.304036652	23.14345226			
	12.12112516	48.00502266	3.971430955	27.75653336			
	-2.807192795	0.028157783	1	DMGDH	5		
78997606	79236038	-	5254	protein_coding			
dimethylglycine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:24475]							
-	0	3	10	21	10	52	0
0.024882258	0.0888497	0.222096273	0.116992303				
0.460197541							
ENSG00000117054	1001.292024	982.3264214	1221.620012				
909.2070532	778.1762355	758.8486275	1068.412819				
815.4106387	0.390005284	0.028176645	1	ACADM	1		
	75724347	75787575	+	4783	protein_coding		
acyl-CoA dehydrogenase medium chain [Source:HGNC							
Symbol;Acc:HGNC:89]	-	1041	1129	1313	825	642	
	822	10.52329064	10.28613355	12.81475717			
9.584415025	8.250533032	7.991024364					
ENSG00000197299	252.9681098	271.4666461	311.6852278				
386.8262736	399.9971304	422.8134688	278.7066613				
403.2122909	-0.53301122	0.02824843	1	BLM	15		
	90717327	90816165	+	6674	protein_coding		
Bloom syndrome RecQ like helicase [Source:HGNC							
Symbol;Acc:HGNC:1058]	-	263	312	335	351	330	
	458	1.905332444	2.037168675	2.343174544			
2.922354906	3.039310691	3.190878691					
ENSG00000185347	243.3495505	353.2546741	425.194475				
414.3780024	561.208095	559.4431487	340.5995665				

511.6764154	-0.58696422	0.028249531	1	TEDC1	14
105489855	105499575	+	6698	protein_coding	
tubulin epsilon and delta complex 1 [Source:HGNC					
Symbol;Acc:HGNC:20127]	-	253	406	457	376 463
606	1.82631882	2.641432324	3.185056148		
3.119282763	4.248965531	4.206864259			
ENSG00000224738	25.97011014	17.40170808	24.19049529		
62.81794186	103.0295639	29.54155241	22.52077117		
65.12968605	-1.529606298	0.028250779	1	AC099850.1	
17	59106598	59118267	+	1338	
antisense	novel transcript	-	27	20	26
57	85	32	0.97568329	0.65137709	
0.907116926	2.367177291	3.904902301	1.112051456		
ENSG00000230536	21.16083048	1.740170808	3.721614661		0
0	0	8.874205317	0	5.490067554	
0.028318725	1	AL360268.1	9	128090969	
128094457	-	765	antisense	novel transcript	
-	22	2	4	0	0
1.390472686	0.11392713	0.244086968	0	0	0
ENSG00000104852	4765.996138	3636.086904	5720.121734		
3495.763361	3631.489099	4008.419392	4707.401592		
3711.890617	0.342571772	0.028362776	0.206643082		
SNRNP70 19	49085419	49108605	+	4684	
protein_coding	small nuclear ribonucleoprotein	U1 subunit 70			
[Source:HGNC Symbol;Acc:HGNC:11150]	-		4955	4179	6148
3172	2996	4342	51.14792138	38.87891016	
61.27213428	37.62949031	39.31626764	43.10264791		
ENSG00000257097	9.618559309	8.700854042	6.512825656		0
0	0	8.277413003	0	5.390997138	
0.028364778	1	CLIP1-AS1	12	122395542	
122400857	+	1809	lincRNA CLIP1 antisense RNA 1		
[Source:HGNC Symbol;Acc:HGNC:48586]	-		10	10	7
0	0	0	0.267277653	0.240890698	
0.1806365	0	0	0		
ENSG00000087111	761.7898973	838.7623297	832.7112803		
1031.536729	1013.326064	1066.265407	811.0878358		
1037.042733	-0.354607562	0.028381285	1	PIGS	17
28553383	28571872	-	5990	protein_coding	
phosphatidylinositol glycan anchor biosynthesis class S					
[Source:HGNC Symbol;Acc:HGNC:14937]	-		792	964	895
936	836	1155	6.392924503	7.013080262	
6.97496847	8.682825439	8.578805376	8.965740815		
ENSG00000172172	532.8681857	666.4854197	798.2863447		
853.0015263	1006.053389	857.6281933	665.8799834		
905.5610361	-0.443003217	0.028385033	1	MRPL13	8
120380761	120445402	-	4209	protein_coding	
mitochondrial ribosomal protein L13 [Source:HGNC					
Symbol;Acc:HGNC:14278]	-	554	766	858	774 830
929	6.364027615	7.930643752	9.515999224		
10.21819246	12.12122539	10.26284586			

ENSG00000147813	199.1041777	170.5367392	218.6448613			
91.4717399	140.6050519	108.9344745	196.0952594			
113.6704221	0.787944308	0.028466716	1	NAPRT	8	
143574785	143578649	-	3079	protein_coding		
nicotinate phosphoribosyltransferase [Source:HGNC						
Symbol;Acc:HGNC:30450]	-	207	196	235	83	116
118	3.25058759	2.773990569	3.562904726			
1.497891813	2.315771264	1.781982097				
ENSG00000172336	744.4764906	626.4614911	691.2899232			
829.858074	870.2967867	1019.183558	687.4093016			
906.4461396	-0.399875861	0.028466858	1	POP7	7	
100706053	100707495	+	988	protein_coding		
"POP7 homolog, ribonuclease P/MRP subunit [Source:HGNC						
Symbol;Acc:HGNC:19949]"	-	774	720	743	753	718
1104	37.87784239	31.75661103	35.10572165			
42.34967436	44.66988762	51.95688994				
ENSG00000091483	1766.929345	1943.770793	1774.27979			
2216.261072	2310.286456	2151.917458	1828.326643			
2226.154995	-0.283743847	0.028632648	1	FH	1	
241497603	241519761	-	2142	protein_coding		
fumarate hydratase [Source:HGNC Symbol;Acc:HGNC:3700]						
1837	2234	1907	2011	1906	2331	41.46588189
45.44878735	41.56016493	52.16805532	54.69539839			
50.60038546						
ENSG00000270157	87.52888972	13.92136647	26.05130263			
13.22482987	9.69690013	0	42.5005196	7.640576665		
2.488338739	0.028641727	1	AC004918.3	7		
141662922	141663846	-	925	sense_intronic		
novel transcript						
8	0	4.756646488	0.753766527	1.413065634		
0.720861045	0.531613027	0				
ENSG00000236942	16.35155083	4.350427021	4.652018326	0		
0	0	8.451332058	0	5.420069445		
0.028749424	1	AC096533.1	1	205625483		
205626153	+	353	processed_pseudogene	GABA(A)		
receptor-associated protein (GABARAP) pseudogene						
5	5	0	0	0	2.328495658	
0.617239764	0.661212926	0	0	0		
ENSG00000269693	16.35155083	23.49230591	20.46888063	0		
0	5.539041076	20.10424579	1.846347025			
3.386278985	0.028754994	1	AC010422.6	19		
12525720	12580975	-	5857	protein_coding	novel	
transcript						
0.140337881	0.200884828	0.175345043	0	0	6	
0.047632902					0	
ENSG00000175104	211.6083048	356.7350157	328.4324938			
415.4800716	476.3602189	451.4318477	298.9252715			
447.7573794	-0.582164271	0.028789328	1	TRAF6	11	
36487027	36510272	-	4871	protein_coding		
TNF receptor associated factor 6 [Source:HGNC						

Symbol;Acc:HGNC:12036]	-	220	410	353	377	393
489	2.183764329	3.667957753	3.383004782			
4.300661532	4.959315991	4.667902193				
ENSG00000136802	2565.269768	2526.728014	2565.122905			
3121.059848	2899.373139	3135.097249	2552.373562			
3051.843412	-0.258018739	0.028790896	0.208480881			LRR8A
9	128882112	128918039	+	5230		
protein_coding	leucine rich repeat containing 8	VRAC subunit A				
[Source:HGNC Symbol;Acc:HGNC:19027]	-	2667	2904	2757		
2832	2392	3396	24.65599557	24.19655408		
24.60827169	30.08871244	28.11297761	30.1923565			
ENSG00000124257	4.809279655	0	0	37.47035128		
10.90901265	9.231735127	1.603093218				
19.20369969	-3.598700427	0.028899359	1	NEURL2	20	
45888625	45891287	-	1301	protein_coding		
	neuralized E3 ubiquitin protein ligase 2	[Source:HGNC				
Symbol;Acc:HGNC:16156]	-	5	0	0	34	9
10	0.185820628	0	0	1.452157306		
0.425218913	0.35739932					
ENSG00000052749	6556.010025	5036.05432	6042.041402			
5756.107199	7832.67108	8694.448143	5878.035249			
7427.742141	-0.337740415	0.02891694	0.208480881			RRP12
10	97356358	97426076	-	8529		
protein_coding	ribosomal RNA processing 12 homolog	[Source:HGNC				
Symbol;Acc:HGNC:29100]	-	6816	5788	6494	5223	6462
9418	38.63960551	29.57256573	35.54350121			
34.02780654	46.5710682	51.34422345				
ENSG00000019582	0	0	0.930403665	6.612414933		
14.5453502	7.385388102	0.310134555				
9.51438441	-4.849393201	0.028956694	1	CD74	5	
150401637	150412929	-	3184	protein_coding		
	CD74 molecule	[Source:HGNC Symbol;Acc:HGNC:1697]				
0	0	1	6	12	8	0
0.014661317	0.1047105	0.231662398	0.11682827			
ENSG00000106263	17365.34698	15150.79714	16564.90686			
16323.84833	20778.03275	22427.57732	16360.35033			
19843.1528	-0.27849127	0.028961817	0.208480881			EIF3B
7	2354086	2380745	+	8998	protein_coding	
eukaryotic translation initiation factor 3 subunit B	[Source:HGNC					
Symbol;Acc:HGNC:3280]	-	18054	17413	17804	14812	17142
24294	97.01271653	84.3307978	92.36716893			
91.47022728	117.1016089	125.5405585				
ENSG00000112695	1120.56216	1394.746903	1317.45159			
1675.145116	1573.322046	1568.471798	1277.586884			
1605.64632	-0.32948168	0.028964979	1	COX7A2	6	
75237675	75250323	-	1922	protein_coding		
	cytochrome c oxidase subunit 7A2	[Source:HGNC				
Symbol;Acc:HGNC:2288]	-	1165	1603	1416	1520	1298
1699	29.30716157	36.3445032	34.39187914			
43.94426938	41.51152319	41.10276269				

ENSG00000203706	7.694847448	11.31111026	14.88645864				
26.44965973	38.78760052	55.39041076	11.29747212				
40.20922367	-1.832515956	0.029013813	1	SERTAD4-AS1			
1	210231456	210234047	-	1004			
antisense	SERTAD4 antisense RNA 1 [Source:HGNC						
Symbol;Acc:HGNC:32019]	-	8	13	16	24	32	
60	0.385263167	0.564245673	0.743930399				
1.328279814	1.959131672	2.778744114					
ENSG00000185201	904.1445751	1024.090521	1093.224307				
1137.335368	1635.139784	1214.896343	1007.153134				
1329.123832	-0.399498129	0.029030879	1	IFITM2	11		
307631	315272	+	1543	protein_coding	interferon		
induced transmembrane protein 2	[Source:HGNC Symbol;Acc:HGNC:5413]						
-	940	1177	1175	1032	1349	1316	
29.45527922	33.24062145	35.54822959	37.16428782				
53.7394706	39.65710264						
ENSG00000239254	15.3896949	6.09059783	3.721614661	0			
0	0	8.400635795	0	5.411646337			
0.029046708	1	AC009220.2	7	139172516			
139174266	-	1751	processed_pseudogene	Male-specific			
lethal-3 homolog 1 (Msl3l1)	pseudogene -						
0	0	0	0.441809503	0.174208961			
0.106639937	0	0	0				
ENSG00000254088	0	0	3.306207466	0			
25.84885836	0	9.718355274	-5.848413615	0.029080014			
1	SLC2A3P4	8	86503591	86505061			
+	1471	processed_pseudogene	solute carrier family				
2 member 3 pseudogene 4	[Source:HGNC Symbol;Acc:HGNC:31076]						
0	0	0	3	0	28	0	0
0	0.113323669	0	0.885067466				
ENSG00000110321	16403.49105	17884.60548	16422.55509				
20042.22966	20050.76524	18735.80644	16903.55054				
19609.60045	-0.214178877	0.029193564	0.208480881	EIF4G2			
11	10797050	10809110	-	8655			
protein_coding	eukaryotic translation initiation factor 4 gamma 2						
[Source:HGNC Symbol;Acc:HGNC:3297]	-	17054	20555	17651			
18186	16542	20295	95.27092962	103.4925306			
95.20248368	116.7567932	117.4811812	109.0317547				
ENSG00000166920	0	0	0	18.18168774			
10.15490864	0	9.445532128	-5.801514344	0.02919753			
1	C15orf48	15	45430529	45448761			
+	1405	protein_coding	chromosome 15 open reading				
frame 48	[Source:HGNC Symbol;Acc:HGNC:29898]						
0	0	15	11	0	0	0	0
0.65623939	0.364038553						
ENSG00000160957	567.4949993	525.5315842	797.3559411				
742.7946108	887.2663619	990.5651792	630.1275082				
873.5420506	-0.471755476	0.0292011	1	RECQL4	8		
144511288	144517845	-	4236	protein_coding			
RecQ like helicase 4	[Source:HGNC Symbol;Acc:HGNC:9949]						

	590	604	857	674	732	1073	6.734374698
	6.21354696		9.444324622		8.841297182		10.62190688
	11.77808783						
ENSG00000151665	225.0742878		233.1828883		167.4726597		
131.1462295	134.5444893		106.164954		208.576612		
123.9518909	0.752481616		0.029235111		1	PIGF	2
	46580937		46617119		-	4978	protein_coding
							phosphatidylinositol glycan anchor biosynthesis class F
[Source:HGNC Symbol;Acc:HGNC:8962]					-	234	268 180
	119	111	115		2.272805029		2.346056676
1.687965822	1.328324285		1.370614894		1.074172343		
ENSG00000033122	6.732991517		0.870085404		0		19.8372448
	26.66647536		17.54029674		2.534358974		21.34800563
	-3.084333664		0.029237883		1	LRRC7	1
69568398	70151945		+		14652		protein_coding
							leucine rich repeat containing 7 [Source:HGNC Symbol;Acc:HGNC:18531]
	-	7	1	0	18	22	19
0.023099488	0.002974142		0		0.068263357		0.092293928
	0.06029589						
ENSG00000162772	150.0495252		220.1316073		152.5862011		
314.0897093	326.0582669		213.2530814		174.2557779		
284.4670192	-0.704935406		0.029256168		1	ATF3	1
	212565334		212620777		+	4040	protein_coding
							activating transcription factor 3 [Source:HGNC
Symbol;Acc:HGNC:785]			TF_bZIP	156	253	164	285 269
	231		1.867000567		2.728963668		1.894996965
3.91990497	4.092778818		2.658652846				
ENSG000000257310	26.93196607		0.870085404		0.930403665		0
	0		9.577485045		0		5.600014521
0.029277577	1		AL589743.1		14		19244962
19247673	+		2712		lincRNA novel transcript		-
	28	1	1	0	0	0	0.499194237
	0.016068262		0.017212991		0		0
ENSG00000182752	303.9464742		341.0734785		280.0515032		
177.433134	183.02899		239.1019398		308.357152		
199.8546879	0.624055915		0.029281595		1	PAPPA	9
	116153804		116402322		+	11573	protein_coding
							pappalysin 1 [Source:HGNC Symbol;Acc:HGNC:8602] - 316
	392	301	161	151	259		1.320207957
1.476041988	1.214133881		0.7730222		0.802007361		
1.040602414							
ENSG00000132485	3369.381326		3342.868123		3129.87793		
2437.776972	3042.402416		2600.579785		3280.709126		
2693.586391	0.284777242		0.029292367		0.208480881		ZRANB2
	1		71063291		71081297		- 4993
							protein_coding zinc finger RANBP2-type containing 2 [Source:HGNC
Symbol;Acc:HGNC:13058]			-	3503	3842	3364	2212 2510
	2817		33.92187018		33.53160891		31.45143439
24.6170269	30.90007373		26.23350376				
ENSG00000236552	2171.870692		2937.408325		2328.800374		

2868.686012	3146.644092	3245.878071	2479.359797		
3087.069392	-0.316151163	0.029296333	0.208480881		
RPL13AP5	10	96750288	96750899	+	612
	processed_pseudogene	ribosomal	protein L13a	pseudogene	5
[Source:HGNC	Symbol;Acc:HGNC:23736]	-	2258	3376	2503
2603	2596	3516	178.3913253	240.386245	
190.921775	236.3386713	260.7357764	267.1335665		
ENSG00000140199	1267.726117	1307.738363	1203.011939		
914.717399	913.9328373	1123.502165	1259.49214		
984.0508004	0.35523855	0.029310833	1	SLC12A6	15
34229996	34338060	-	10056	protein_coding	
	solute carrier family 12 member 6	[Source:HGNC			
Symbol;Acc:HGNC:10914]	-	1318	1503	1293	830
1217	6.337111698	6.513168498	6.002322086	754	
4.58632547	4.608859207	5.627251579			
ENSG00000204070	735.8197872	692.5879818	640.1177217		
792.3877227	865.4483366	1109.654562	689.5084969		
922.4968739	-0.420863194	0.02938973	1	SYS1	20
45361937	45376798	+	6117	protein_coding	
"SYS1, golgi trafficking protein	[Source:HGNC				
Symbol;Acc:HGNC:16162]"	-	765	796	688	719
1202	6.046780044	5.670654467	5.25044355	714	
6.531342425	7.174755263	9.136860733			
ENSG00000132434	1163.845676	1324.269985	1630.997625		
1594.694068	1744.229911	1965.436409	1373.037762		
1768.120129	-0.365088908	0.02941845	1	LANCL2	7
55365448	55433742	+	5235	protein_coding	
LanC like 2	[Source:HGNC	Symbol;Acc:HGNC:6509]	-	1210	
1522	1753	1447	1439	2129	11.1755756
12.66941506	15.63188192	15.35903354	16.8962944		
18.90993315					
ENSG00000159685	264.510381	210.5606678	242.8353566		
322.9062625	305.4523541	469.895318	239.3021352		
366.0846449	-0.615299368	0.029420155	1	CHCHD6	3
126704220	126960406	+	2763	protein_coding	
	coiled-coil-helix-coiled-coil-helix	domain containing 6			
[Source:HGNC	Symbol;Acc:HGNC:28184]	-	275	242	261
293	252	509	4.812303677	3.816744415	
4.409665616	5.892488981	5.60617972	8.565799715		
ENSG00000232888	56.74949993	46.98461183	62.33704557		
13.22482987	31.51492542	10.15490864	55.35705244		
18.29822131	1.607019343	0.029472034	1	RPS11P5	12
132825701	132826184	+	484		
processed_pseudogene	ribosomal	protein S11	pseudogene	5	
[Source:HGNC	Symbol;Acc:HGNC:36312]	-	59	54	67
12	26	11	5.89396926	4.861910903	
6.462126821	1.37767865	3.301986904	1.056764807		
ENSG00000091164	1925.635574	2134.319497	2007.811109		
2216.261072	2630.28416	2583.039489	2022.588727		
2476.52824	-0.292041415	0.029529523	1	TXNL1	18

56597208	56651600	-	11298	protein_coding
thioredoxin like 1 [Source:HGNC Symbol;Acc:HGNC:12436] -				
2002	2453	2158	2011	2170
2798	8.567689506	9.461381961	8.91653063	9.890597849
11.51535041				11.80607461
ENSG0000075415	6182.809924	6404.698661	7366.936221	
7452.191629	8059.336121	8183.010017	6651.481602	
7898.179256	-0.247872149	0.029544769	0.20943705	
SLC25A3	12	98593591	98606379	+ 8896
protein_coding solute carrier family 25 member 3 [Source:HGNC				
Symbol;Acc:HGNC:10989] - 6428 7361 7918 6762 6649				
8864	34.93673457	36.05791754	41.54959157	
42.23693894	45.94189648	46.33039376		
ENSG00000271716	20.19897455	0	10.23444032	0 0
0	10.14447162	0	5.683368511	0.029545519
1	AC022001.2	3	11607184	11610748
+	580	antisense	"novel transcript, antisense	
to VGLL4" - 21 0 11 0 0 0				
1.750622547	0	0.885341307	0	0 0
ENSG00000234751	20.19897455	0	10.23444032	0 0
0	10.14447162	0	5.683368511	0.029545519
1	AP002381.1	11	72940498	72941112
+	615	processed_pseudogene	ribosomal protein L15	
(RPL15) pseudogene - 21 0 11 0 0				
0	1.650993622	0	0.834956029	0 0
0				
ENSG00000176349	35.58866945	18.27179349	14.88645864	0
7.272675098	0	22.91564053	2.424225033	
3.284775426	0.029572848	1	AC104129.1	7
1838586	1849931	+	4764	antisense
antisense to MAD1L1" - 37 21 16 0 6				
0	0.375518371	0.192090612	0.156781302	0
0.07741531	0			
ENSG00000138688	1472.60143	1350.372547	1399.327112	
1355.545061	901.8117121	941.636983	1407.433697	
1066.331252	0.400432149	0.029597468	1	KIAA1109
4	122152333	122362758	+	20470
protein_coding KIAA1109 [Source:HGNC Symbol;Acc:HGNC:26953] -				
1531	1552	1504	1230	744
1020	3.616250981	3.303942435	3.429857126	3.338868481
2.2340992				2.316932317
ENSG00000167085	2467.160463	2133.449411	2548.375639	
2692.354947	2866.646101	3203.412089	2382.995171	
2920.804379	-0.293946332	0.02966436	0.209476018	PHB
17	49404049	49414905	-	3838
protein_coding prohibitin [Source:HGNC Symbol;Acc:HGNC:8912] -				
2565	2452	2739	2443	2365
3470	32.31347134	27.84031169	33.31448452	35.36963192
37.87682216		42.03930451		
ENSG00000100347	1067.660083	1261.623836	1169.517407	

1249.746422	1589.079509	1652.480588	1166.267109		
1497.102173	-0.360310458	0.029774771	1	SAMM50	22
43955421	44010531	+	6435	protein_coding	
SAMM50 sorting and assembly machinery component [Source:HGNC					
Symbol;Acc:HGNC:24276]	-	1110	1450	1257	1134 1311
1790	8.340184229	9.819243926	9.118696522		
9.792115941	12.52280162	12.93407866			
ENSG00000196372	838.7383718	689.1076402	974.1326375		
1033.740868	1053.325777	1217.665863	833.9928831		
1101.577503	-0.402133618	0.029804169	1	ASB13	10
5638867	5666595	-	3003	protein_coding	ankyrin repeat
and SOCS box containing 13 [Source:HGNC Symbol;Acc:HGNC:19765] -					
872	792	1047	938	869	1319 14.03984681
11.49286875	16.27561415	17.35639598	17.78737268		
20.4230444					
ENSG0000005022	7457.269033	6815.378971	6590.049161		
8997.292585	8115.093297	7632.798603	6954.232388		
8248.394828	-0.246175106	0.029847341	0.209960607		
SLC25A5 X	119468400	119471319	+	1500	
protein_coding solute carrier family 25 member 5 [Source:HGNC					
Symbol;Acc:HGNC:10991]	-	7753	7833	7083	8164 6695
8268	249.9077598	227.559759	220.4306689		
302.4292418	274.3510853	256.2950551			
ENSG00000179632	3308.784402	3188.863007	3666.720845		
3389.964722	4530.876586	4712.800782	3388.122751		
4211.21403	-0.313875342	0.029979679	0.210086606		MAF1
8	144104499	144107611	+	2377	
protein_coding "MAF1 homolog, negative regulator of RNA polymerase					
III [Source:HGNC Symbol;Acc:HGNC:24966]" -					
3941	3076	3738	5105	69.9729973	67.18980722
77.39685061	71.90667265	96.6623781	99.86138448		
ENSG00000283752	4.809279655	10.44102485	9.304036652	0	
0	0	8.184780386	0	5.375293965	
0.030027742	1	AC241585.3	1	145139986	
145148375	+	686	unprocessed_pseudogene		
phosphodiesterase 4D interacting protein (PDE4DIP) pseudogene -					
5	12	10	0	0	0.352409093
0.762282111	0.68049027	0	0	0	
ENSG00000249456	31.74124572	22.62222051	61.4066419		
14.32689902	0	8.308561615	38.59003604	7.545153545	
2.345463994	0.030032549	1	AL731577.2	10	
124917143	124942881	+	555		
sense_overlapping "novel transcript, sense overlapping ZRANB1"					
-	33	26	66	13	0 9
2.874896229	2.041451011	5.551329277	1.301554664	0	
0.75401597					
ENSG00000074800	86276.55329	85170.04997	119783.8895		
105254.2168	140622.0215	115919.2053	97076.83091		
120598.4812	-0.313007584	0.030218445	0.210954623		EN01
1	8861000	8879250	-	5276	protein_coding

enolase 1 [Source:HGNC Symbol;Acc:HGNC:3350]	-	89698	97887			
128744 95506 116014 125566 822.0139528		808.4977758				
1139.116774 1005.860869 1351.614911		1106.619429				
ENSG00000240270 0 0 0 12.12276071		0				
15.69394972 0 9.272236809 -5.77876616		0.030293343				
1 RPL12P37 17 80976454		80976948				
+ 495 processed_pseudogene		ribosomal protein L12				
pseudogene 37 [Source:HGNC Symbol;Acc:HGNC:35565]	-	0				
0 0 11 0 17 0 0 0						
1.234808271 0 1.596889041						
ENSG00000182544 582.8846942 515.9606447		669.8906389				
560.9532001 938.1750876 1034.877508		589.5786593				
844.6685985 -0.519232953 0.03029337		1 MFS05	12			
53251251 53254405 + 2581		protein_coding				
major facilitator superfamily domain containing 5 [Source:HGNC						
Symbol;Acc:HGNC:28156] - 606 593 720 509 774						
1121 11.35235167 10.01210249 13.0223849						
10.95826558 18.43318222 20.19522175						
ENSG00000108179 2701.85331 3025.286951		2838.661582				
3004.240518 3585.428823 3900.408091		2855.267281				
3496.692477 -0.292485155 0.030387756		0.211333031	PPIF			
10 79347469 79355337 + 2674						
protein_coding peptidylprolyl isomerase F [Source:HGNC						
Symbol;Acc:HGNC:9259] - 2809 3477 3051 2726 2958						
4225 50.79156011 56.66330285 53.26314919						
56.64694489 67.99611926 73.46768047						
ENSG00000023697 493.4320926 408.0700546		441.0113373				
742.7946108 557.5717575 563.1358428		447.5044948				
621.1674037 -0.473218386 0.030427371		1 DERA	12			
15911172 16037282 + 2844		protein_coding				
deoxyribose-phosphate aldolase [Source:HGNC						
Symbol;Acc:HGNC:24269] - 513 469 474 674 460						
610 8.721455908 7.186242169 7.780272093						
13.16868315 9.942042145 9.97312497						
ENSG00000241278 0 8.700854042 21.3992843		0	0			
0 10.03337945 0 5.668859247		0.030495827				
1 ENPP7P4 3 125848223 125909372 +						
1086 transcribed_unprocessed_pseudogene		ectonucleotide				
pyrophosphatase/phosphodiesterase 7 pseudogene 4 [Source:HGNC						
Symbol;Acc:HGNC:48687] - 0 10 23 0 0						
0 0 0.401262683 0.98865336 0 0						
0						
ENSG00000168280 252.9681098 419.3811648		276.3298886				
260.0883207 149.0898395 165.2480588		316.2263877				
191.4754063 0.724313615 0.030507303		1 KIF5C	2			
148875250 149026759 + 9215		protein_coding				
kinesin family member 5C [Source:HGNC Symbol;Acc:HGNC:6325]						
- 263 482 297 236 123 179						
1.379944518 2.279346216 1.504551803		1.423078008				
0.82045947 0.903209942						

ENSG00000111696	688.6888466	472.4563745	540.5645295			
486.0124975	253.3315159	389.5792224	567.2365835			
376.3077453	0.59078159	0.030509255	1	NT5DC3	12	
103770453	103841197	-	8722	protein_coding		
5'-nucleotidase domain containing 3 [Source:HGNC						
Symbol;Acc:HGNC:30826]	-	716	543	581	441	209
422	3.969155891	2.712953469	3.109611157			
2.809535673	1.47291459	2.249714393				
ENSG00000160211	1640.926218	1617.488766	1683.10023			
1868.007218	2557.557409	1850.03972	1647.171738			
2091.868116	-0.344247025	0.030552685	1	G6PD	X	
154531390	154547572	-	3995	protein_coding		
glucose-6-phosphate dehydrogenase [Source:HGNC						
Symbol;Acc:HGNC:4057]	-	1706	1859	1809	1695	2110
2004	20.64730911	20.27781721	21.13819106			
23.57571987	32.46482243	23.324479				
ENSG00000223791	0	0	35.15126297	0		
0	11.71708766	-6.110070486	0.030563963	1		
UBE2E1-AS1	3	23804024	23806905	-		
778	antisense	UBE2E1 antisense RNA 1				
[Source:HGNC						
Symbol;Acc:HGNC:40598]	-	0	0	0	0	29
0	0	0	2.291214563	0		
ENSG00000089327	2923.080174	2772.962183	3703.936991			
3387.760584	4135.727906	4194.900442	3133.32645			
3906.129644	-0.318146098	0.030602589	0.212023978	FXYD5		
19	35154730	35169883	+ 2993			
protein_coding FXYD domain containing ion transport regulator 5						
[Source:HGNC Symbol;Acc:HGNC:4029]						
3074	3412	4544	49.09363617	46.40170561		
62.09140635	57.07017312	70.07283135	70.59316018			
ENSG00000254094	12.5041271	17.40170808	0	0	0	
0	9.968611729	0	5.659683821	0.030607682		
1	AC078852.2	4	1356581	1358075	+	527
sense_intronic novel transcript						
0	0	0	1.192707509	1.653780924	13	20
0	0	0				
ENSG00000115464	2383.478997	1651.422097	2014.323935			
1742.371335	1543.019233	1432.765292	2016.408343			
1572.71862	0.358539129	0.030633054	1	USP34	2	
61187463	61470769	-	18125	protein_coding		
ubiquitin specific peptidase 34 [Source:HGNC						
Symbol;Acc:HGNC:20066]	-	2478	1898	2165	1581	1273
1552	6.610350738	4.563276564	5.576040523			
4.846920521	4.317156064	3.981481662				
ENSG00000104133	1098.439473	962.3144571	979.7150594			
895.9822234	767.2672228	636.0665503	1013.489663			
766.4386655	0.403741282	0.030638398	1	SPG11	15	
44562696	44663678	-	11853	protein_coding		
"SPG11, spatacsin vesicle trafficking associated [Source:HGNC						
Symbol;Acc:HGNC:11226]"	-	1142	1106	1053	813	633

689	4.65842423	4.066169143	4.147115421		
3.811310267	3.282636437	2.70285007			
ENSG00000117448	1589.947854	1342.541779	1714.733955		
1895.558947	2175.741967	1783.571227	1549.074529		
1951.624047	-0.333025109	0.030640618	1	AKR1A1	1
45550543	45570049	+	3121	protein_coding	
aldo-keto reductase family 1 member A1 [Source:HGNC					
Symbol;Acc:HGNC:380]	-	1653	1543	1843	1720 1795
1932	25.60827361	21.544219	27.56624441		
30.62292861	35.35233016	28.78355101			
ENSG00000185697	436.6825926	377.6170654	367.5094478		
920.2277448	507.8751443	398.8109575	393.9363686		
608.9712822	-0.627958766	0.03066696	1	MYBL1	8
66562175	66614247	-	7239	protein_coding	
MYB proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:7547]					
MYB	454	434	395	835	419 432
3.032344175	2.612580919	2.547208849	6.409437877		
3.557810451	2.774828767				
ENSG00000119681	1709.217989	1231.170847	1586.338249		
1325.789194	1090.901265	1062.572713	1508.909028		
1159.754391	0.3796244	0.030682115	1	LTBP2	14
74498170	74612378	-	9091	protein_coding	
latent transforming growth factor beta binding protein 2					
[Source:HGNC Symbol;Acc:HGNC:6715]	-		1777	1415	1705
1203	900	1151	9.450983099	6.782712045	
8.755052635	7.353024503	6.085247013	5.887008786		
ENSG00000240793	0	0	0	9.918622399	18.18168774
0	0	9.366770048	-5.787065179	0.0306999	
1	UBA52P8	16	48334471	48334854	-
384	processed_pseudogene	ubiquitin A-52 residue			
ribosomal protein fusion product 1 pseudogene 8 [Source:HGNC					
Symbol;Acc:HGNC:35625]	-	0	0	0	9 15
0	0	0	0	1.302336848	2.401084227
0					
ENSG00000180673	1.923711862	0	0.930403665	9.918622399	
9.69690013	19.38664377	0.951371842	13.0007221		
-3.792744304	0.030738905	1	EXOC5P1	4	
62816826	62818794	+	1969	processed_pseudogene	
exocyst complex component 5 pseudogene 1 [Source:HGNC					
Symbol;Acc:HGNC:43870]	-	2	0	1	9 8
21	0.04911176	0	0.023708295	0.253985449	
0.249742026	0.495911976				
ENSG00000165525	565.5712874	494.2085096	485.6707132		
411.071795	357.5731923	340.6510262	515.1501701		
369.7653378	0.478619754	0.030755889	1	NEMF	14
49782083	49853203	-	9426	protein_coding	
nuclear export mediator factor [Source:HGNC					
Symbol;Acc:HGNC:10663]	-	588	568	522	373 295
369	3.016137297	2.62590795	2.585169976		
2.198839044	1.923720357	1.820245428			

ENSG00000140961	837.7765159	703.0290066	967.6198118			
792.3877227	1293.324055	1418.917689	836.1417781			
1168.209822	-0.482940868	0.030768713	1	OSGIN1	16	
83948282	83966332	+	3460	protein_coding		
	oxidative stress induced growth inhibitor 1 [Source:HGNC					
Symbol;Acc:HGNC:30093]	-	871	808	1040	719	1067
1537	12.17147672	10.17639275	14.03147337			
11.54688486	18.95551904	20.65517062				
ENSG00000150593	440.5300164	590.7879895	588.0151164			
443.0318005	306.6644666	376.6547932	539.7777074			
375.4503534	0.523375129	0.030812063	1	PDCD4	10	
110871795	110900006	+	4547	protein_coding		
	programmed cell death 4 [Source:HGNC Symbol;Acc:HGNC:8763]					
-	458	679	632	402	253	408
4.870143301	6.507338789	6.488408132	4.912619667			
3.420132466	4.172210647					
ENSG00000157021	2.885567793	44.37435562	27.91210996			
89.26760159	58.18140078	91.39417776	25.05734445			
79.61439338	-1.665377562	0.030884511	1	FAM92A1P1		
15	41163162	41164374	+	890		
	unprocessed_pseudogene family with sequence similarity 92 member A1					
pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32278]	-					3
51	30	81	48	99	0.162979306	
2.497116287	1.573538176	5.057164212	3.315114942			
5.172210672						
ENSG00000189007	316.4506013	310.6204893	321.9196682			
166.4124425	199.9985652	252.026369	316.3302529			
206.1457922	0.616047383	0.030985542	1	ADAT2	6	
143422832	143450673	-	7175	protein_coding		
	"adenosine deaminase, tRNA specific 2 [Source:HGNC					
Symbol;Acc:HGNC:21172]"	-	329	357	346	151	165
273	2.217048578	2.1682278	2.251128204			
1.16941076	1.41354422	1.769178935				
ENSG00000273456	49.05465248	20.8820497	28.84251362			0
13.33323768	0	32.92640527	4.44441256			
2.919746964	0.031004024	1	AC064836.3	2		
202374932	202375604	-	673	lincRNA novel		
transcript	-	51	24	31	0	11
3.664007284	1.554013457	2.150268364	0			0
1.004673579	0					
ENSG00000111261	115.4227117	96.57947987	117.2308618			
67.22621848	43.63605059	51.69771671	109.7443511			
54.18666193	1.01720534	0.031029823	1	MANSC1	12	
12326056	12350541	-	6015	protein_coding		
	MANSC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25505]					
-	120	111	126	61	36	56
0.964599052	0.80416644	0.97786961	0.563515994			
0.36788682	0.432895841					
ENSG00000071539	836.8146599	919.6802723	685.7075012			
1215.582278	1098.17394	923.1735127	814.0674778			

1078.976577	-0.405793831	0.031050464	1	TRIP13	5	
892643	919357	+	3560	protein_coding	thyroid	
hormone receptor interactor 13		[Source:HGNC Symbol;Acc:HGNC:12307]				
-	870	1057	737	1103	906	1000
11.8159997	12.93848978	9.664146964	17.21621026			
15.64319863	13.06113806					
ENSG00000174444	35462.66632	41654.46864	40986.14226			
44706.53736	46942.69353	45861.41377	39367.75907			
45836.88155	-0.219479953	0.03108027	0.214261239			RPL4
15	66498015	66524532	-		5637	
protein_coding ribosomal protein L4		[Source:HGNC				
Symbol;Acc:HGNC:10353]	-	36869	47874	44052	40566	38728
49678	316.2383534	370.0924951	364.8073935			
399.8767881	422.3032221	409.7765356				
ENSG00000251414	32.70310165	39.15384319	8.373632987			
5.510345777	0	6.462214589	26.74352594	3.990853455		
2.724270878	0.031141327	1	AC138956.2	5		
176354206	176356168	+	528	antisense		
novel transcript		-	34	45	9	5
0	7	3.113480937	3.713959718	0.795709646		
0.526196706	0	0.616446137				
ENSG00000119684	650.2146093	750.8837039	548.9381625			
434.2152472	494.5419067	492.9746558	650.0121585			
473.9106032	0.455991094	0.031183181	1	MLH3	14	
75013764	75051532	-	8363	protein_coding		
mutL homolog 3		[Source:HGNC Symbol;Acc:HGNC:7128]				
676	863	590	394	408	534	3.908281309
4.496838563	3.293335311	2.617858501	2.998785668			
2.968999869						
ENSG00000176731	336.6495758	314.9709163	313.5460352			
487.1145667	424.2393807	443.1232861	321.7221758			
451.4924112	-0.489088913	0.031200877	1	C8orf59	8	
85214076	85220421	-	2514	protein_coding		
chromosome 8 open reading frame 59		[Source:HGNC				
Symbol;Acc:HGNC:32235]	-	350	362	337	442	350
480	6.731378131	6.274828998	6.257641277			
9.769425821	8.557563515	8.877833222				
ENSG00000143819	375.1238131	350.6444179	405.655998			
582.9945832	507.8751443	479.1270531	377.1414097			
523.3322602	-0.472451258	0.031226413	1	EPHX1	1	
225810092	225845563	+	2508	protein_coding		
epoxide hydrolase 1		[Source:HGNC Symbol;Acc:HGNC:3401]				
390	403	436	529	419	519	7.518622696
7.002225807	8.115307733	11.72033927	10.26913471			
9.622121662						
ENSG00000119979	398.2083554	555.9845733	366.5790441			
338.3352307	319.9977043	204.0213463	440.2573243			
287.4514271	0.617187256	0.031281635	1	FAM45A	10	
119104086	119137984	+	6291	protein_coding		
family with sequence similarity 45 member A		[Source:HGNC				

Symbol;Acc:HGNC:31793]	-	414	639	394	307	264
221	3.181865901	4.426289045	2.923631096			
2.711631897	2.579476656	1.63344158				
ENSG00000163682	6837.833813	9109.794182	10353.53199			
9637.594764	11718.70381	11394.73067	8767.053327			
10917.00975	-0.31638058	0.031316551	0.214261239			RPL9
4	39452521	39458949	-		5022	
protein_coding	ribosomal protein L9 [Source:HGNC					
Symbol;Acc:HGNC:10369]	-	7109	10470	11128	8745	9668
12343	68.44362803	90.85076133	103.4395076			
96.75984168	118.3333865	114.2812649				
ENSG00000047410	4660.191985	4006.743287	4752.501922			
4338.846265	3436.338984	2927.383209	4473.145731			
3567.522819	0.326545602	0.031339325	0.214261239			TPR
1	186311652	186375693	-		12350	
protein_coding	"translocated promoter region, nuclear basket protein					
[Source:HGNC	Symbol;Acc:HGNC:12017]"					
3937	2835	3171	18.96828386	16.24879931		5108
19.30767442	17.71374958	14.11020963	11.93878971			
ENSG00000055130	1106.134321	1064.114449	1096.945921			
1437.098179	1381.808269	1262.901365	1089.064897			
1360.602604	-0.320884246	0.031385372	1	CUL1	7	
148697914	148801036	+	3548	protein_coding		1150
cullin 1 [Source:HGNC	Symbol;Acc:HGNC:2551]					
1223	1179	1304	1140	1368	15.67167605	
15.02108984	15.51230124	20.42236453	19.75006823			
17.92806856						
ENSG00000090006	2493.130573	2085.594714	2455.335272			
1860.292734	2018.16734	1862.040975	2344.686853			
1913.50035	0.293249285	0.031386212	1	LTBP4	19	
40592883	40629818	+	8108	protein_coding		
latent transforming growth factor beta	binding protein 4					
[Source:HGNC	Symbol;Acc:HGNC:6717]					
1688	1665	2017	15.45690272	12.88287793		2639
15.19398475	11.56833205	12.62257204	11.56706501			
ENSG00000242372	4934.320926	4463.538124	5898.759237			
5206.17469	6535.710688	7353.077029	5098.872762			
6364.987469	-0.320135726	0.031392306	0.214261239			EIF6
20	35278911	35284985	-		1631	
protein_coding	eukaryotic translation initiation factor 6					
[Source:HGNC	Symbol;Acc:HGNC:6159]					
4724	5392	7965	152.0773795	137.0635581		6340
181.4601781	160.9414729	203.209161	227.0716089			
ENSG00000063169	589.6176857	548.1538047	694.0811342			
498.1352582	359.9974173	455.1245418	610.6175415			
437.7524058	0.479237591	0.031526268	1	BICRA	19	
47608196	47703277	+	7507	protein_coding		
BRD4 interacting chromatin remodeling complex associated						
protein [Source:HGNC	Symbol;Acc:HGNC:4332]					
746	452	297	493	3.948164827	3.657065437	

	4.638936711	3.345677399	2.431853416	3.053595603		
ENSG00000197785	2658.569793		2096.035739	2543.723621		
2211.852795	3378.157583		4105.352611	2432.776384		
3231.787663	-0.410060586		0.031565216	0.214643467	ATAD3A	
1	1512151	1534687	+	3069		
protein_coding	"ATPase family, AAA domain containing 3A [Source:HGNC					
Symbol;Acc:HGNC:25567]"	-		2764	2409	2734	2007 2787
4447	43.54540827		34.20570212	41.58604868		
36.3381261	55.8196926		67.37538489			
ENSG00000225871	25.0082542		5.220512425	0	0	0
0	10.07625554		0	5.673841152	0.031586275	
1	AC245100.2		1	148435105	148436926	
+	1679	processed_pseudogene		"family with sequence		
similarity 91, member A1 (FAM91A1)	pseudogene"	-		26	6	
0	0	0	0	0.748727644	0.155725291	
0	0	0	0			
ENSG00000134780	512.6692112		486.377741	380.5350991		
219.3117619	370.90643		330.4961176	459.8606837		
306.9047698	0.58366095		0.031607384	1	DAGLA	11
61680433	61747001		+	5757	protein_coding	
	diacylglycerol lipase alpha [Source:HGNC Symbol;Acc:HGNC:1165]					
-	533	559	409	199	306	358
4.476434107	4.23130349		3.316447406	1.92074137		
3.267176203	2.891464172					
ENSG00000122435	980.1311936		960.5742863	975.0630411		
843.0829039	784.236798		503.1295644	971.9228403		
710.1497555	0.454037411		0.031627525	1	TRMT13	1
100133150	100150497		+	4133	protein_coding	
	tRNA methyltransferase 13 homolog [Source:HGNC					
Symbol;Acc:HGNC:25502]"	-		1019	1104	1048	765 647
545	11.92092609		11.64024887	11.83700724		
10.28508946	9.622462684		6.131434809			
ENSG00000163872	1292.734371		1188.536662	1225.341627		
904.7987766	1092.113377		921.3271657	1235.537553		
972.7464398	0.345526315		0.031643257	1	YEATS2	3
183697818	183812625		+	10212	protein_coding	
	YEATS domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25489]					
-	1344	1366	1317	821	901	998
6.363406673	5.829059534		6.020339804	4.467292556		
5.42327148	4.544130062					
ENSG00000233030	8.656703379		6.09059783	9.304036652		0
0	0	8.01711262	0	5.344643305		
0.031758964	1	AC243772.2	1	149785659		
149793020	-	3543	antisense	"novel transcript,		
antisense to FCGR1A"	-	9	7	10	0	0
0	0.122820984		0.086096498	0.13175736	0	
0	0					
ENSG00000227170	25.97011014		4.350427021	0	0	0
0	10.10684572		0	5.678128041	0.031856	
1	AF178030.1		8	115509602	115511325	

	+	402	antisense	novel transcript		-
	27	5	0	0	0	3.247423488
	0.542004072		0	0	0	
ENSG00000129214	0	0	0	0	14.5453502	
12.92442918	0	9.156593125		-5.7578859	0.03188742	
1	SHBG	17	7613946	7633383	+	1972
protein_coding	sex hormone binding globulin				[Source:HGNC	
Symbol;Acc:HGNC:10839]	-	0	0	0	0	12
14	0	0	0	0	0.374043141	
0.330105031						
ENSG00000176945	46.16908469		51.33503885		53.96341258	
82.65518666	87.27210117		146.7845885		50.48917871	
105.5706255	-1.066301168		0.031896875		1	MUC20 3
195720882		195741123		+	4249	protein_coding
"mucin 20, cell surface associated					[Source:HGNC	
Symbol;Acc:HGNC:23282]"	-	48	59	58	75	72
159	0.546205065		0.605095437		0.637216919	
0.980813819	1.041581183		1.739968602			
ENSG00000273056	0	0	0	14.32689902		13.33323768
0	0	9.220045567		-5.764929452		0.031907744
1	AL354694.1	9	7786105	7786688	-	584
lincRNA	novel transcript			-	0	0
13	11	0	0	0	0	1.236922669
1.157783079	0					
ENSG00000248309	12.5041271		3.480341617		8.373632987	0
0	0	8.119367235	0		5.362360224	
0.031931234	1	MEF2C-AS1	5		88883328	
89466398	+	7865	antisense		MEF2C antisense RNA	1
[Source:HGNC	Symbol;Acc:HGNC:48908]	-		13	4	9
0	0	0	0.079918227		0.022162557	
0.05341827	0	0	0			
ENSG00000236778	40.3979491		65.25640532		38.14655027	
23.14345226	0	0	47.9336349		7.714484088	
2.639641939	0.031946594		1	INTS6-AS1	13	
51452367	51552364		+	9866	antisense	INTS6
antisense RNA 1	[Source:HGNC	Symbol;Acc:HGNC:42691]	-			42
75	41	21	0	0	0.205830342	
0.331267439	0.193994216		0.118274257		0	0
ENSG00000165283	3802.216495		3812.714241		3631.365505	
4065.533114	4815.723027		4514.318477		3748.765414	
4465.19154	-0.252227379		0.031955789		0.216497521	STOML2
9	35099776		35103195		-	1806
protein_coding	stomatin like 2		[Source:HGNC	Symbol;Acc:HGNC:14559]		
-	3953	4382	3903	3689	3973	4890
105.8303628	105.7336501		100.8850564		113.5018533	
135.2222566	125.8989567					
ENSG00000158555	474.194974		390.6683465		556.3813918	
556.5449235	661.8134339		767.1571891		473.7482374	
661.8385155	-0.483222663		0.032047489		1	GDPD5 11
75434640	75525903		-		9867	protein_coding

	glycerophosphodiester phosphodiesterase domain containing 5					
[Source:HGNC Symbol;Acc:HGNC:28804]	-	493	449	598		
505	546	831	2.415811296	1.982986742		
2.829189852	2.843926012		3.401377815	3.916038147		
ENSG00000277589	0	0	37.21614661	0	0	0
	12.4053822	0	5.9744852	0.032065609		1
	AC244093.4	17	36998598	37000034		+
	710	sense_intronic	"novel transcript, sense intronic			
AATF"	-	0	0	40	0	0
	0	2.62995113	0	0	0	0
ENSG00000284693	54.82578806		13.92136647	12.09524765		0
	1.212112516	9.231735127	26.94746739	3.481282548		
	2.917727388	0.032096589	1	AL928921.2		1
	9425094	9440564	-	2623	lincRNA uncharacterized	
LOC100506022	[Source:NCBI gene;Acc:100506022]					
	-	57	16			
	13	0	1	10	1.0506977	0.265815493
	0.231361503	0	0.023434143	0.177268973		
ENSG00000254732	8.656703379		7.830768638	7.443229322		0
	0	0	7.976900446	0	5.337614202	
0.032099813	1	AP001931.1	11	57742163		
57793243	+	580	protein_coding	"novel protein,		
C11orf31-CTNND1	readthrough"					
	-	9	9	8		0
	0	0	0.750266806	0.676196804	0.643884587	
	0	0	0			
ENSG00000171735	321.2598809		383.7076633	385.1871174		
490.4207742	504.2388068		516.0539936	363.3848872		
503.5711915	-0.470551367		0.032109133	1	CAMTA1	1
	6785324	7769706	+	10033	protein_coding	calmodulin
binding transcription activator	1 [Source:HGNC Symbol;Acc:HGNC:18806]					
	CG-1	334	441	414	445	416
	559					
1.609595952	1.915430396		1.92626292	2.46457048		
2.54864812	2.590669509					
ENSG00000117280	1666.896328		1716.678503	1485.854653		
1330.197471	1323.626868		1284.134356	1623.143161		
1312.652898	0.306477034		0.032110901	1	RAB29	1
	205767986	205775460	-	3882	protein_coding	
	"RAB29, member RAS oncogene family [Source:HGNC					
Symbol;Acc:HGNC:9789]"	-	1733	1973	1597	1207	1092
	1391	21.58461209	22.1477775	19.20416465		
17.27681897	17.29077532		16.66105957			
ENSG00000214264	0	0	0	0	4.848450065	
23.07933782	0	9.309262628	-5.785414721	0.032240991		
	1	KCTD9P4	11	112180773	112183191	+
	1166	processed_pseudogene	potassium channel			
tetramerization domain containing	9 pseudogene 4 [Source:HGNC					
Symbol;Acc:HGNC:49913]	-	0	0	0	0	4
	25	0	0	0	0.210867088	
0.996947931						
ENSG00000127603	9038.560183		7023.329383	8761.611315		
8117.841399	5675.110801		6095.714705	8274.500294		

6629.555635	0.319709997	0.032259158	0.216792031	MACF1
1	39081316	39487177	+ 40739	
protein_coding	microtubule-actin crosslinking factor 1 [Source:HGNC			
Symbol;Acc:HGNC:13664]	-	9397 8072	9417 7366	4682
6603	11.15270151	8.63434478	10.79066579	
10.0469304	7.064288142	7.536365469		
ENSG00000235128	10.58041524	7.830768638	5.582421991	0
0	0	7.997868623	0	5.341272506
0.032267533	1	AC013474.1	2	126679622
126680420	+	799	processed_pseudogene	novel
pseudogene	-	11	9	6
0.665651818	0.490856253	0.350550432	0	0
0				
ENSG00000172354	4105.201113	4655.826998	5033.483829	
4466.686287	6403.590424	6377.282626	4598.170647	
5749.186445	-0.322307733	0.032284193	0.216792031	GNB2
7	100673531	100679174	+ 2857	
protein_coding	G protein subunit beta 2 [Source:HGNC			
Symbol;Acc:HGNC:4398]	-	4268 5351	5410 4053	5283
6908	72.22962945	81.61750384	88.39609105	
78.82761867	113.6626378	112.4276432		
ENSG00000247400	61.55877958	33.06324536	47.45058692	
24.24552142	0	6.462214589	47.35753729	10.235912
2.20718773	0.03228547	1	DNAJC3-DT	13
95648733	95676925	-	3010	lincRNA DNAJC3
divergent transcript [Source:HGNC Symbol;Acc:HGNC:39808]				-
64	38	51	22	0
0.550143136	0.790951249	0.406132953	0	1.028051083
0.108134073				
ENSG00000075826	129.8505507	74.82734476	160.9598341	
61.7158727	26.66647536	75.70022804	121.8792432	
54.69419204	1.150389039	0.032343401	1	SEC31B 10
100486642	100519864	-	7938	protein_coding
"SEC31 homolog B, COPII coat complex component [Source:HGNC				
Symbol;Acc:HGNC:23197]"	-	135 86	173 56	22
82	0.822287883	0.472112995	1.01737496	
0.392002626	0.170356593	0.480323434		
ENSG00000168610	2880.758513	3017.456182	2709.335473	
2387.081791	2326.043919	2469.489147	2869.183389	
2394.204952	0.260977248	0.032353495	0.216792031	STAT3
17	42313324	42388568	-	8812
protein_coding	signal transducer and activator of transcription 3			
[Source:HGNC Symbol;Acc:HGNC:11364]	STAT	2995	3468	2912
2166	1919	2675	16.4332535	17.14996342
15.42634067	13.65827987	13.38590833	14.11498159	
ENSG00000187957	605.9692365	628.2016619	704.3155745	
458.4607687	472.7238814	513.2844731	646.1621576	
481.4897077	0.423914767	0.032428725	1	DNER 2
229357629	229714558	-	3935	protein_coding
delta/notch like EGF repeat containing [Source:HGNC				

Symbol;Acc:HGNC:24456]	-	630	722	757	416	390
556	7.740999319	7.995599987	8.980430964			
5.874361077	6.092102904	6.569935002				
ENSG00000254503	0	0	2.791210996	0	36.36337549	
	16.61712323	0.930403665	17.66016624		-4.249763559	
	0.03251119	1	AC010319.1	19	17417031	
	17418288	-	1258	processed_pseudogene	high-	
mobility group box 3 (HMGB3) pseudogene	-	0	0	0	3	
	0	30	18	0	0	0
	1.465844743	0.665308209			0.111323448	
ENSG00000275981	12.5041271	2.610256213		9.304036652	0	
	0	0	8.139473322	0	5.365834306	
0.032575656	1	AC018816.2	3	4750333	4750685	+
	353	misc_RNA	-	13	3	10
	0	0	1.780614327	0.370343859		
1.322425851	0	0	0			
ENSG00000130560	1276.38282	1285.116142		1280.235443		
1272.889875	1729.684561	1981.130358		1280.578135		
1661.234931	-0.375846049	0.032682161		1	UBAC1	9
	135932969	135961380	-	2979	protein_coding	
UBA domain containing 1 [Source:HGNC	Symbol;Acc:HGNC:30221]					
-	1327	1477	1376	1155	1427	2146
21.5378147	21.60571235	21.56224451		21.54386032		
29.44427262	33.49579057					
ENSG00000155657	770.4466007	386.3179195		646.6305473		
427.6028323	340.6036171	440.3537656		601.1316892		
402.853405	0.57620101	0.032789398		1	TTN	2
	178525989	178830802	-	118976	protein_coding	
titin [Source:HGNC	Symbol;Acc:HGNC:12403]					801
	444	695	388	281	477	0.325517521
0.162623088	0.272691422	0.181210937		0.14517583		
0.18641894						
ENSG00000080644	6.732991517	6.09059783		9.304036652		
52.89931946	15.75746271	25.84885836		7.375875333		
31.50188018	-2.095768669	0.032789485		1	CHRNA3	15
	78593052	78621295	-	4765	protein_coding	
cholinergic receptor nicotinic alpha 3 subunit [Source:HGNC						
Symbol;Acc:HGNC:1957]	-	7	7	10	48	13
	28	0.071029106	0.064016766	0.097967749		
0.559745197	0.167697971	0.273228592				
ENSG00000259950	0	0	0	34.16414382	0	0
	0	11.38804794	-6.071796448	0.03279706	1	
AC034105.3	16	31894542		31894983	-	
442	processed_pseudogene	"protein tyrosine phosphatase,				
receptor type, f polypeptide (PTPRF), interacting protein (liprin),						
alpha 1 (PPFIA1) pseudogene"	-	0	0	0	31	
	0	0	0	0	3.897189001	0
0						
ENSG00000273033	523.2496264	356.7350157		396.3519614		
296.4566028	209.6954653	336.9583321		425.4455345		

281.0368001	0.595965582	0.03283967	1	LINC02035		
3	122886941	122892416	+	5476		
lincRNA long intergenic non-protein coding RNA 2035 [Source:HGNC						
Symbol;Acc:HGNC:52875]	-	544	410	426	269	173
365	4.803266427	3.262714064	3.6315514			
2.729611783	1.941914139	3.099277355				
ENSG00000254859	15.3896949	2.610256213	6.512825656	0		
0	0	8.170925588	0	5.371230022		
0.032882711	1	AC067930.4	8	143541973		
143549729	-	498	antisense	novel transcript		
-	16	3	7	0	0	
1.553430602	0.262512815	0.656167526	0	0	0	
ENSG00000122034	3534.820546	4376.529583	3559.724423			
4303.580052	4848.450065	4722.032518	3823.691518			
4624.687545	-0.274259312	0.032921507	0.219795949	GTF3A		
13	27424544	27435823	+	3001		
protein_coding general transcription factor IIIA [Source:HGNC						
Symbol;Acc:HGNC:4662]	zf-C2H2	3675	5030	3826	3905	4000
5115	59.20965962	73.03997021	59.51480378			
72.30479289	81.92969839	79.25207845				
ENSG00000124103	0	0	0	13.33323768		
13.84760269	0	9.060280123	-5.743048964	0.032939426		
1	FAM209A	20	56517187	56526142		+
1137	protein_coding family with sequence similarity 209					
member A [Source:HGNC Symbol;Acc:HGNC:16100]						
0	0	11	15	0	0	0
0.594674862	0.613425482					
ENSG00000234832	0	0	0	20.93931395	0	
6.462214589	0	9.133842847	-5.754877759	0.032990227		
1	AL096677.1	20	23346941	23351486		
-	814	antisense	novel transcript			-
0	0	0	19	0	7	0
0	1.297003774	0	0.399856954			
ENSG00000272752	22.12268641	0	7.443229322	0	0	
0	9.855305244	0	5.641555312	0.032995429		
1	STAG3L5P-PVRIG2P-PILRB	7	100336104			
100367831	+	3816	processed_transcript	STAG3L5P-		
PVRIG2P-PILRB readthrough [Source:HGNC Symbol;Acc:HGNC:48898]						
23	0	8	0	0	0	0.291420894
0	0.097865058	0	0	0		
ENSG00000160953	1482.21999	1453.042625	1400.257516			
1082.231911	1252.112229	1152.120544	1445.173377			
1162.154895	0.314690884	0.033104229	1	MUM1	19	
1354711	1378431	+	9876	protein_coding	melanoma	
associated antigen (mutated) 1 [Source:HGNC Symbol;Acc:HGNC:29641]						
-	1541	1670	1505	982	1033	1248
7.54436643	7.368752803	7.11379678	5.525129354			
6.429343072	5.875766411					
ENSG00000198431	3428.054538	2593.72459	3268.508076			
2995.423964	4804.814015	4159.819848	3096.762401			

3986.685942	-0.364441828	0.033219417	0.220981339	TXNRD1
12	104215779	104350305	+ 6708	
protein_coding	thioredoxin reductase 1 [Source:HGNC			
Symbol;Acc:HGNC:12437]	-	3564 2981	3513 2718	3964
4506	25.68892069	19.36544673	24.44731293	
22.51481807	36.32352201	31.23411116		
ENSG00000161956	891.640448	916.1999307	1010.41838	
523.4828488	726.0553973	831.779335	939.4195864	
693.772527	0.436613357	0.033309425	1	SENP3 17
7561875	7571969 +	3668	protein_coding	SUMO specific
peptidase 3 [Source:HGNC Symbol;Acc:HGNC:17862]	-		927	1053
1086	475 599	901	12.21944901	12.51000957
13.82122491	7.195754306	10.03794601	11.42158779	
ENSG00000159167	3599.264894	5974.006386	4122.61864	
3805.444794	3506.64151	3391.739486	4565.29664	
3567.94193	0.355795191	0.033352926	0.221068491	STC1
8	23841915	23854807	- 4149	
protein_coding	stanniocalcin 1 [Source:HGNC Symbol;Acc:HGNC:11373]			
-	3742 6866	4431 3453	2893 3674	
43.60753769	72.11389646	49.8544984	46.24504295	
42.86001898	41.17434842			
ENSG00000272668	162.5536523	93.09913825	230.740109	
66.12414933	119.9991391	53.54406374	162.1309665	
79.88911739	1.024653676	0.033354839	1	AL590560.1
1	159854870	159867685	+ 7134	
antisense	uncharacterized LOC107985216 [Source:NCBI			
gene;Acc:107985216]	-	169 107	248 60	99
58	1.145393769	0.653595827	1.622798553	
0.467337024	0.853000822	0.378029687		
ENSG00000130414	875.2888972	658.654651	735.0188955	
497.0331891	643.6317462	533.5942904	756.3208146	
558.0864085	0.438926227	0.033466347	1	NDUFA10 2
239892450	240025402	-	9517	protein_coding
NADH:ubiquinone oxidoreductase subunit A10 [Source:HGNC				
Symbol;Acc:HGNC:7684]	-	910 757	790 451	531
578	4.623198489	3.466206305	3.875012054	
2.633228314	3.429586903	2.823961602		
ENSG00000174977	146.2021015	177.4974225	137.6997424	
158.6979584	310.3008042	307.4167797	153.7997555	
258.8051808	-0.750690982	0.03349575	1	AC026271.1
17	18650195	18651542	+ 1348	
processed_pseudogene	poly(A) binding protein interacting protein 1			
(PAIP1) pseudogene	-	152 204	148 144	256
333	5.451988263	6.594758146	5.1252831	
5.935873588	11.67340177	11.48643765		
ENSG00000123485	325.1073047	263.6358775	304.2419985	
657.9352858	402.4213554	318.4948619	297.6617269	
459.6171677	-0.626311134	0.033525062	1	HJURP 2
233833416	233854566	-	3821	protein_coding
Holliday junction recognition protein [Source:HGNC				

Symbol;Acc:HGNC:25444]	-	338	303	327	597	332
345	4.277016041	3.455605755	3.994999698			
8.681791208	5.340825717	4.198296197				
ENSG00000139151	12.5041271	16.53162268	0	0	0	
0	9.678583261	0	5.617047229	0.033526429		
1	PLCZ1 12	18683169	18738100			
3431	protein_coding	phospholipase C zeta 1 [Source:HGNC				
Symbol;Acc:HGNC:19218]	-	13	19	0	0	0
0	0.183199317	0.24131898	0	0	0	
0						
ENSG00000169918	0	8.700854042	20.46888063	0	0	
0	9.723244892	0	5.62358298	0.033543983		
1	OTUD7A 15	31475398	31870789			
14331	protein_coding	OTU deubiquitinase 7A [Source:HGNC				
Symbol;Acc:HGNC:20718]	-	0	10	22	0	0
0	0	0.030407597	0.071662544	0	0	
0						
ENSG00000103723	0	9.570939447	19.53847697	0	0	
0	9.703138805	0	5.620664667	0.033548501		
1	AP3B2 15	82659281	82709914			
9108	protein_coding	adaptor related protein complex 3				
subunit beta 2 [Source:HGNC	Symbol;Acc:HGNC:567]	-				0
11	21	0	0	0	0.052629381	
0.107632223	0	0	0			
ENSG00000238061	0	10.44102485	18.6080733	0	0	
0	9.683032718	0	5.617740593	0.033594849		
1	AL356273.2	1	185280844	185281816		
+	973	processed_pseudogene "proteasome (prosome,				
macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog) (PSMD7)						
pseudogene"	-	0	12	20	0	0
0	0.537436309	0.959540238	0	0	0	
ENSG00000258388	20.19897455	24.36239132	14.88645864	0		
6.060562582	0	19.8159415	2.020187527			
3.343000103	0.033630929	1	PPT2-EGFL8	6		
32153845	32171978	+	5512	protein_coding	PPT2-	
EGFL8 readthrough (NMD candidate) [Source:HGNC	Symbol;Acc:HGNC:48343]					
-	21	28	16	0	5	0
0.184209194	0.221364217	0.135505465	0	0.055758124		
0						
ENSG00000182173	655.023889	860.5144648	826.1984547			
899.2884308	1072.719577	1104.115521	780.5789362			
1025.37451	-0.39342207	0.033672006	1	TSEN54	17	
75516060	75524739	+	3440	protein_coding		
tRNA splicing endonuclease subunit 54 [Source:HGNC						
Symbol;Acc:HGNC:27561]	-	681	989	888	816	885
1196	9.571717797	12.52842411	12.05037492			
13.18086038	15.8136524	16.16604395				
ENSG00000116194	0	6.960683234	22.32968796	0	0	
0	9.763457066	0	5.629402824	0.033686096		
1	ANGPTL1 1	178849705	178871052			

3403	protein_coding	angiopoietin like 1	[Source:HGNC			
Symbol;Acc:HGNC:489]	-	0	8	24	0	0
0	0	0.102444026	0.329226912	0	0	
0						
ENSG00000177105	1285.039524	1074.555474	1389.092672			
1486.691291	1555.140358	1682.945314	1249.562557			
1574.925654	-0.334296468	0.033732339	1	RHOG	11	
3826978	3840983	-	1782	protein_coding	ras homolog	
family member G	[Source:HGNC	Symbol;Acc:HGNC:672]	-		1336	
1235	1493	1349	1283	1823	36.24932925	
30.20075886	39.11093008	42.06455449	44.25540473			
47.56746279						
ENSG00000242808	0	28.71281834	1.86080733	0	0	
0	10.19120856	0	5.692665937	0.033782958		
1	SOX2-OT 3	180989762	181836880	+		
31629	sense_overlapping		SOX2 overlapping transcript			
[Source:HGNC	Symbol;Acc:HGNC:20209]	-	0	33	2	
0	0	0	0	0.045466034	0.002951825	
0	0	0				
ENSG00000160951	9.618559309	0	19.53847697	0	0	
0	9.719012093	0	5.621927177	0.033788583		
1	PTGER1 19	14472466	14475362	-		
1421	protein_coding	prostaglandin E receptor 1				
[Source:HGNC	Symbol;Acc:HGNC:9593]	-	10	0	21	
0	0	0	0.340257055	0	0.689876343	
0	0	0				
ENSG00000128652	0	12.18119566	16.74726597	0	0	
0	9.642820544	0	5.611874741	0.033798298		
1	HOXD3 2	176136612	176173102	+		
3548	protein_coding	homeobox D3	[Source:HGNC			
Symbol;Acc:HGNC:5137]	Homeobox	0	14	18	0	
0	0	0	0.171950333	0.236829026	0	
0	0					
ENSG00000207975	0	21.75213511	7.443229322	0	0	
0	9.731788143	0	5.625819041	0.033814129		
1	MIR181B1	1	198858873	198858982		
-	110	miRNA	microRNA 181b-1	[Source:HGNC		
Symbol;Acc:HGNC:31550]	-	0	25	8	0	0
0	0	9.90389258	3.395027822	0	0	
0						
ENSG00000252821	36.55052538	0	0	0	0	
12.18350846	0	5.947654465	0.033849295	1		
RNU6-388P	7	33001950	33002054	-		
105	snRNA	"RNA, U6 small nuclear 388, pseudogene				
[Source:HGNC	Symbol;Acc:HGNC:47351]"	-	38	0	0	
0	0	0	17.49828614	0	0	0
0	0					
ENSG00000126067	4881.41885	4516.613333	3986.779705			
5678.962358	5162.387207	5149.461854	4461.603963			
5330.270473	-0.2566465	0.03393278	0.223171528	PSMB2		

	13.71065193	12.3861661	11.66595722	10.39167809		
	10.4361845					
ENSG00000147536	440.5300164	588.1777333	581.5022907			
976.4332717	599.9956956	691.456961	536.7366801			
755.9619761	-0.493957808	0.03432505	1	GINS4	8	
	41529206	41545046	+	5475	protein_coding	
	GINS complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:28226]					
	-	458	676	625	886	495 749
4.044665131	5.380481843	5.328953488	8.992110643			
5.557358782	6.36104858					
ENSG00000042088	819.5012532	1171.134954	927.6124542			
1278.40022	1270.293917	1229.667119	972.7495538			
1259.453752	-0.372187364	0.034430834	1	TDP1	14	
	89954939	90044768	+	6227	protein_coding	
	tyrosyl-DNA phosphodiesterase 1 [Source:HGNC					
Symbol;Acc:HGNC:18884]	-	852	1346	997	1160	1048
	1332	6.615488907	9.419433663	7.47415893		
10.35121114	10.3449829	9.946181435				
ENSG00000092853	764.6754651	794.3879741	784.3302898			
1635.470627	847.2666489	849.3196317	781.131243			
1110.685636	-0.507619479	0.034436557	1	CLSPN	1	
	35720218	35769967	-	5411	protein_coding	
	claspin [Source:HGNC Symbol;Acc:HGNC:19715]					
	913	843	1484	699	920	7.103801396
7.352784564	7.272706754	15.23941903	7.940484494			
7.905717867						
ENSG00000048140	690.6125584	679.5367007	758.2789871			
794.5918611	1033.931976	951.7918916	709.4760821			
926.7719097	-0.385340143	0.034694494	1	TSPAN17	5	
	176647387	176659054	+	5215	protein_coding	
	tetraspanin 17 [Source:HGNC Symbol;Acc:HGNC:13594]					
	718	781	815	721	853	1031 6.656889499
6.526123962	7.295403745	7.682330653	10.05407403			
9.192536663						
ENSG00000238140	24.04639827	5.220512425	0	0	0	
0	9.7556369	0	5.627200373	0.034749916		
1	AC104170.2	1	51461721	51463416		
+	678	antisense	novel transcript	-		
25	6	0	0	0	1.782836559	
0.385638295	0	0	0	0		
ENSG00000162086	116.3845676	87.87862583	60.47623824			
42.98069706	49.69661317	12.92442918	88.24647724			
35.2005798	1.333105305	0.034759955	1	ZNF75A	16	
	3305406	3318852	+	8063	protein_coding	zinc finger
protein 75a	[Source:HGNC Symbol;Acc:HGNC:13146] zf-C2H2 121 101					
	65	39	41	14	0.725587725	0.545862565
	0.376324707	0.268769505	0.312560834	0.080735101		
ENSG00000113739	709.849677	804.8289989	836.432895			
570.8718225	363.6337549	711.7667783	783.703857			
548.7574519	0.512364574	0.03485692	1	STC2	5	

173314713	173329503	-	6128	protein_coding	
stanniocalcin 2 [Source:HGNC Symbol;Acc:HGNC:11374]				-	
738	925	899	518	300	771
6.577813773	6.848366134	4.697026893	3.009191721		
5.850145122					
ENSG00000254856	18.27526269	1.740170808	4.652018326	0	
0	0	8.222483941	0	5.380076835	
0.034896124	1	NDUFA3P2	11	68488609	
68488840	-	232	processed_pseudogene		
NADH:ubiquinone oxidoreductase subunit A3 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:45051]				-	
0	3.959741476	0.375664891	1.006069667	0	0
0	0				
ENSG00000210140	1690.942727	1194.62726	1887.789037		
1571.550616	2060.591278	2906.150218	1591.119674		
2179.430704	-0.454496306	0.034971781	1	MT-TC	MT
5761	5826	-	66	Mt_tRNA	mitochondrially
encoded tRNA cysteine [Source:HGNC Symbol;Acc:HGNC:7477]				-	
1758	1373	2029	1426	1700	3148
906.5363009	1435.106552	1200.570405	1583.260387		
2217.797075					
ENSG00000134545	0	23.49230591	5.582421991	0	0
0	9.691575969	0	5.619967582	0.035041912	
1	KLRC1	12	10442264	10454685	-
2698	protein_coding	killer cell lectin like receptor C1			
[Source:HGNC Symbol;Acc:HGNC:6374]				-	
0	0	0	0	0.436094306	0.10381386
0	0	0			
ENSG00000067066	973.3982021	1366.034085	1053.216949		
981.9436175	804.8427108	783.7743123	1130.883079		
856.8535469	0.400793785	0.03504928	1	SP100	2
230415942	230544090	+	12618	protein_coding	
SP100 nuclear antigen [Source:HGNC Symbol;Acc:HGNC:11206]					
SAND	1012	1570	1132	891	664
3.877851785	5.422102548	4.187954355	3.92373099		
3.234632282	3.128586632				
ENSG00000254064	159.6680845	85.26836962	105.1356142		
28.65379804	50.90872568	80.31609561	116.6906894		
53.29287311	1.126000854	0.035080146	1	AC105206.2	
8	22254576	22275162	-	515	
antisense uncharacterized LOC100507071 [Source:NCBI gene;Acc:100507071]				-	
87	15.58483022	8.292346564	10.24276598	113	26
2.805292577	5.012904391	7.854943069			42
ENSG00000168137	2901.919344	2386.644264	2578.148556		
2454.308009	1799.987087	2044.829331	2622.237388		
2099.708142	0.320362556	0.035109412	1	SETD5	3
9397615	9479240	+	10808	protein_coding	SET domain
containing 5 [Source:HGNC Symbol;Acc:HGNC:25566]				-	
2743	2771	2227	1485	2215	13.49681175
					3017

11.05959107	11.96843114	11.44951063	8.445560509		
9.529265181					
ENSG00000075426	954.1610835	728.2614834	1029.956857		
1247.542284	1121.204078	1157.659585	904.1264747		
1175.468649	-0.378987628	0.035168212	1	FOSL2	2
28392448	28417312	+	7157	protein_coding	
"FOS like 2, AP-1 transcription factor subunit [Source:HGNC					
Symbol;Acc:HGNC:3798]"	TF_bZIP	992	837	1107	1132 925
1254	6.701651987	5.096277155	7.220422976		
8.788756928	7.944344628	8.146996644			
ENSG00000255248	1751.53965	2081.244287	1876.624193		
1616.735451	1512.71642	1526.005817	1903.136043		
1551.819229	0.29457056	0.0351925	1	MIR100HG	
11	122028327	122556721	-	19385	
processed_transcript mir-100-let-7a-2-mir-125b-1 cluster host gene					
[Source:HGNC	Symbol;Acc:HGNC:39522]"	-	1821	2392	2017
1467	1248	1653	4.541981458	5.377172485	
4.857201592	4.205100233	3.957274169	3.964953208		
ENSG00000212128	7.694847448	12.18119566	3.721614661	0	
0	0	7.865885923	0	5.318024223	
0.035221061	1	TAS2R13	12	10907926	10909562
-	1637	protein_coding	taste 2	receptor member	13
[Source:HGNC					
Symbol;Acc:HGNC:14919]"	-	8	14	4	
0	0	0	0.236288467	0.372681602	
0.114066298	0	0	0		
ENSG00000243970	216.4175845	149.6546895	194.454366		
98.08415483	86.05998866	137.5528534	186.8422133		
107.2323323	0.797583316	0.035252756	1	PPIEL	1
39522280	39559671	-	5416		
transcribed_unprocessed_pseudogene peptidylprolyl isomerase E					
like pseudogene [Source:HGNC	Symbol;Acc:HGNC:33195]"	-	225		
172	209	89	71	149	2.008653746
1.383911725	1.80141455	0.913110621	0.805799611		
1.279200531					
ENSG00000272320	0	0	0	9.918622399	0
16.61712323	0	8.845248543	-5.711178331	0.035297051	
1	AL445309.1	6	3311662	3313650	+
antisense	"novel transcript, antisense to SLC22A23"				1989
-	0	0	9	0	18
0	0	0.251431548	0	0.420793226	0
ENSG00000256746	12.5041271	11.31111026	0.930403665	0	
0	0	8.248547008	0	5.386083837	
0.035335448	1	AC018410.1	11	47270657	
47272110	-	536	antisense	uncharacterized	
LOC101928943 [Source:NCBI gene;Acc:101928943]"					
1	0	0	0	1.172680704	1.05690794
0.087092598	0	0	0		
ENSG00000160789	14542.29982	16561.20558	23318.70706		
23608.52545	24656.79281	19907.31363	18140.73749		
22724.21063	-0.324956899	0.035409875	0.230814014		LMNA

1	156082573	156140089	+	6985		
protein_coding	lamin A/C [Source:HGNC Symbol;Acc:HGNC:6636]					-
15119	19034	25063	21422	20342	21564	104.6544918
	118.7468922	167.4991778	170.4141482			179.0088901
	143.5469373					
ENSG00000198727	23903.08174	26411.44245		31110.83776		
	28081.82415	33026.42973		37541.77407		27141.78731
	32883.34265	-0.276867443	0.035507531	0.230814014		MT-CYB
	MT	14747	15887	+	1141	protein_coding
mitochondrially	encoded cytochrome b [Source:HGNC					
Symbol;Acc:HGNC:7427]	-	24851	30355	33438	25481	27247
	40666	1053.075336	1159.319633	1368.04595		
	1240.91738	1467.845709	1657.207271			
ENSG00000166016	139.46911	110.5008463		103.2748068		
	39.6744896	88.48421369	42.46598159	117.7482544		
	56.87489496	1.054445794	0.035525487	1	ABTB2	11
	34150988	34358008	-	4973	protein_coding	
	ankyrin repeat and BTB domain containing 2 [Source:HGNC					
Symbol;Acc:HGNC:23842]	-	145	127	111	36	73
	46	1.409778099	1.112868525	1.04195882		
	0.40225003	0.90230167	0.430100939			
ENSG00000236478	5.771135586	0	23.26009163	0	0	
	0	9.677075738	0	5.615847071	0.035532457	
	1	AC012513.2	2	216174896	216176032	
	-	1137	processed_pseudogene	heterogeneous nuclear		
ribonucleoprotein A3 (HNRNPA3)	pseudogene	-	6	0		
	25	0	0	0	0.255147902	0
	1.02642112	0	0			
ENSG00000142102	142.3546778	158.3555436		163.7510451		
	104.6965698	89.69632621	66.46849292	154.8204221		
	86.9537963	0.834571781	0.035544108	1	PGGHG	11
	289135	296107	+	5260	protein_coding	protein-
glucosylgalactosylhydroxylysine	glucosidase [Source:HGNC					
Symbol;Acc:HGNC:26210]	-	148	182	176	95	74
	72	1.360433093	1.507801745	1.561970975		
	1.003575163	0.864755506	0.636469754			
ENSG00000180846	2.885567793	8.700854042		12.09524765	0	
	0	0	7.893889828	0	5.323017434	
	0.03555126	1	CSNK1G2-AS1	19	1952531	1954586 -
	1346	antisense	CSNK1G2 antisense RNA 1 [Source:HGNC			
Symbol;Acc:HGNC:28604]	-	3	10	13	0	0
	0	0.10776492	0.323752804	0.450862722	0	
	0	0				
ENSG00000168517	45.20722875	50.46495345		43.72897226		
	12.12276071	21.81802529	12.92442918	46.46705149		
	15.62173839	1.578137693	0.035563713	1	HEXIM2	17
	45160700	45170040	+	2038	protein_coding	
	hexamethylene bisacetamide inducible 2 [Source:HGNC					
Symbol;Acc:HGNC:28591]	-	47	58	47	11	18
	14	1.115051419	1.240173399	1.076563656		

0.299916631	0.542894805	0.319414682				
ENSG00000081985	0	18.27179349	10.23444032	0	0	
	0	9.502077935	0	5.591146931	0.035576793	
1	IL12RB2	1	67307364	67397090		+
4423	protein_coding	interleukin 12 receptor subunit beta 2				
[Source:HGNC Symbol;Acc:HGNC:5972]			-	0	21	11
	0	0	0	0.20690022	0.11609721	
	0	0				
ENSG00000185085	1744.806659	1796.72636	1858.946523			
1916.498261	2099.378878	2818.448734	1800.159847			
2278.108625	-0.340271633	0.035577203	1	INTS5	11	
62646848	62653302	-	3285	protein_coding		
integrator complex subunit 5 [Source:HGNC						
Symbol;Acc:HGNC:29352]	-	1814	2065	1998	1739	1732
	3053	26.69949981	27.39323226	28.39266418		
29.41550114	32.4085704	43.2137991				
ENSG00000099956	3437.673097	3362.010002	3537.394735			
3961.938614	3955.123141	4253.983547	3445.692611			
4057.0151	-0.235796033	0.035577541	0.230814014			
SMARCB1	22	23786931	23838008	+	16525	
protein_coding	"SWI/SNF related, matrix associated, actin dependent					
regulator of chromatin, subfamily b, member 1 [Source:HGNC						
Symbol;Acc:HGNC:11103]"	-	3574	3864	3802	3595	3263
	4608	10.45717309	10.18953223	10.74030662		
12.08841804	12.13732457	12.96588067				
ENSG00000069011	136.5835422	159.225629	118.1612655			
213.8014162	253.3315159	201.2518258	137.9901456			
222.7949193	-0.689812337	0.035581761	1	PITX1	5	
135027735	135034813	-	3511	protein_coding		
paired like homeodomain 1 [Source:HGNC Symbol;Acc:HGNC:9004]						
Homeobox	142	183	127	194	209	218
1.955504103	2.271322787	1.688569449	3.070315069			
3.659003432	2.887065801					
ENSG00000107796	9.618559309	29.58290374	32.56412828			
65.02208017	79.99942608	50.7745432	23.92186378			
65.26534982	-1.444655862	0.035606349	1	ACTA2	10	
88935074	88991339	-	2976	protein_coding		
"actin, alpha 2, smooth muscle, aorta [Source:HGNC						
Symbol;Acc:HGNC:130]"	-	10	34	35	59	66
	55	0.16246817	0.497856966	0.549011136		
1.101618266	1.363196206	0.859331597				
ENSG00000233559	45.20722875	18.27179349	22.32968796			
4.408276622	8.484787614	6.462214589	28.6029034			
6.451759608	2.150443233	0.035685688	1	LINC00513		
7	130853720	130928649	+	1616		
lincRNA long intergenic non-protein coding RNA 513 [Source:HGNC						
Symbol;Acc:HGNC:43566]	-	47	21	24	4	7
	7	1.406234401	0.566286927	0.693291573		
0.137540525	0.266258845	0.201413094				
ENSG00000154118	12.5041271	29.58290374	29.77291729			0

	8.484787614	0	23.95331604	2.828262538		
3.122335756	0.035785141		1	JPH3	16	87601835
	87698156	+	5941	protein_coding		junctophilin 3
[Source:HGNC Symbol;Acc:HGNC:14203]			-		13	34 32
	0	7	0	0.105799841	0.249389384	
0.251441212	0	0.072424557	0			
ENSG00000165322	763.7136092		972.7554819	815.9640144		
818.8373825	490.9055691		516.9771671	850.8110352		
608.9067062	0.482917425		0.035810004	1		ARHGAP12
	10	31805404	31928876	-		5938
protein_coding	Rho GTPase activating protein 12	[Source:HGNC				
Symbol;Acc:HGNC:16348]	-	794	1118	877	743	405
	560	6.465193471	8.204652809	6.894542228		
6.952814844	4.192394959		4.385093439			
ENSG00000128578	806.0352701		850.0734399	727.5756662		
510.258019	610.9047082		673.9166643	794.5614588		
598.3597972	0.408634755		0.035863153	1		STRIP2 7
	129434433	129488399	+	5876		protein_coding
	striatin interacting protein 2	[Source:HGNC				
Symbol;Acc:HGNC:22209]	-	838	977	782	463	504
	730	6.895463247	7.245550276	6.212565803		
4.378357782	5.272251384		5.776597276			
ENSG00000280287	345.3062792		304.5298915	300.5203839		
179.6372723	201.2106777		250.1800219	316.7855182		
210.3426573	0.5890883		0.035895735	1		AC131212.3
	12	132550729	132554947	+	4219	TEC
	novel transcript	-	359	350	323	163
	166	271	4.114207009	3.615073376	3.573872319	
	2.146792763	2.41849906	2.986694372			
ENSG00000259349	8.656703379		12.18119566	2.791210996		0
	0	0	7.876370011	0	5.319873936	
0.035949481	1	AC011921.1	17	60526293		
60550798	+	718	antisense	"novel transcript,		
antisense to APPBP2"	-	9	14	3	0	0
	0	0.606065108	0.849693291	0.195048604	0	
	0	0				
ENSG00000212242	19.23711862		3.480341617	1.86080733		0
	0	0	8.192755855	0	5.37500225	
0.0360235	1	RNA5SP219	6	136630243		
136630355	+	113	rRNA_pseudogene	"RNA, 5S ribosomal		
pseudogene 219	[Source:HGNC Symbol;Acc:HGNC:43119]"	-				20
	4	2	0	0	8.557615485	
1.542553181	0.826223585		0	0	0	
ENSG00000269534	15.3896949		0	13.02565131	0	0
	0	9.471782069	0	5.584501331	0.036066334	
	1	AC011466.3	19	48118432	48127706	
	+	1009	antisense	"novel transcript, antisense		
to LIG1"	-	16	0	14	0	0 0
	0.766708067	0	0.647713435	0	0	0
ENSG00000136942	12312.71777		12849.42125	17570.67322		

15722.11857	17751.3878	18876.12881	14244.27075		
17449.8784	-0.292864226	0.036088997	0.232611482	RPL35	
9	124857880	124861981	-	1535	
protein_coding	ribosomal protein L35	[Source:HGNC			
Symbol;Acc:HGNC:10344]	-	12801	14768	18885	14266 14645
20447	403.2150504	419.2488709	574.3209321		
516.4233654	586.4464429	619.3729513			
ENSG00000156931	907.9919988	1066.724706	962.9677935		
851.8994571	729.6917348	688.6874405	979.228166		
756.7595442	0.372318159	0.036089966	1	VPS8	3
184812143	185052614	+	10366	protein_coding	
"VPS8, CORVET complex subunit	[Source:HGNC				
Symbol;Acc:HGNC:29122]"	-	944	1226	1035	773 602
746	4.403135052	5.153922259	4.66095791		
4.143623935	3.569707625	3.346251979			
ENSG00000151835	5536.442739	4330.415057	4808.326142		
4439.134558	3825.427101	3870.866539	4891.727979		
4045.142733	0.274081926	0.036124506	0.232611482	SACS	
13	23328826	23433740	-	15918	
protein_coding	sacsin molecular chaperone	[Source:HGNC			
Symbol;Acc:HGNC:10519]	-	5756	4977	5168	4028 3156
4193	17.48370626	13.6250385	15.155841		
14.0608963	12.18697315	12.24806211			
ENSG00000231292	9.618559309	6.09059783	7.443229322		0
0	0	7.717462154	0	5.289626998	
0.036136568	1	IGKV10R2-108	2	113406396	
113406872	+	353	IG_V_gene	immunoglobulin kappa	
variable 1/OR2-108 (non-functional)	[Source:HGNC				
Symbol;Acc:HGNC:5767]	-	10	7	8	0 0
0	1.369703328	0.86413567	1.057940681	0	
0	0				
ENSG00000095906	1482.21999	1185.056321	1379.788635		
1471.262322	1730.896673	1915.585039	1349.021649		
1705.914678	-0.339135075	0.036146691	1	NUBP2	16
1782901	1789191	+	4983	protein_coding	nucleotide
binding protein 2	[Source:HGNC	Symbol;Acc:HGNC:8042]	-		1541
1362	1483	1335	1428	2075	14.95247097
11.91090657	13.89300844	14.88683662	17.61508246		
19.36235739					
ENSG00000279716	41.35980503	18.27179349	43.72897226		
12.12276071	2.424225033	10.15490864	34.45352359		
8.233964794	2.055047535	0.036150804	1	AC006128.1	
19	15398696	15400356	+	1661	TEC
TEC	-	43	21	47	11
1.251699387	0.550945018	1.320913143	0.36798922		
0.074012951	0.307931467				
ENSG00000101310	1639.002506	1586.165692	1503.532323		
2012.378278	2193.923655	1672.790405	1576.233507		
1959.697446	-0.313566571	0.036180886	1	SEC23B	20
18507482	18561415	+	4385	protein_coding	

"Sec23 homolog B, coat complex II component [Source:HGNC
Symbol;Acc:HGNC:10702]" - 1704 1823 1616 1826 1810
1812 18.78889369 18.11655716 17.20353893
23.13892717 25.3720955 19.21408085
ENSG00000117114 615.5877958 566.4255982 649.4217583
1043.65949 866.6604492 612.9872125 610.4783841
841.1023839 -0.461591057 0.036197319 1 ADGRL2 1
81306160 81992436 + 7754 protein_coding
adhesion G protein-coupled receptor L2 [Source:HGNC
Symbol;Acc:HGNC:18582] - 640 651 698 947 715
664 3.990758008 3.658590393 4.202189776
6.786349558 5.667970815 3.981743693
ENSG00000235618 8.656703379 6.09059783 8.373632987 0
0 0 7.706978065 0 5.287732549
0.036215229 1 FAM21EP 10 50021182 50067803
- 2549
transcribed_unprocessed_pseudogene "family with sequence
similarity 21 member E, pseudogene [Source:HGNC
Symbol;Acc:HGNC:45010]" - 9 7 9 0 0
0 0.170715868 0.119670416 0.16482334 0
0 0
ENSG00000198363 13596.79544 14999.40228 13309.42443
12519.50561 12288.39669 11150.08969 13968.54072
11985.99733 0.220930273 0.036234686 0.232611482 ASPH
8 61500556 61714640 - 20047
protein_coding aspartate beta-hydroxylase [Source:HGNC
Symbol;Acc:HGNC:757] - 14136 17239 14305 11360 10138
12078 34.09403186 37.4732428 33.31075741
31.48770331 31.08495598 28.01409861
ENSG00000233270 22.12268641 26.97264753 31.63372462
44.08276622 98.18111382 60.92945184 26.90968619
67.73111063 -1.329657042 0.036281938 1 SNRPEP4 19
5576660 5576938 - 279 processed_pseudogene small
nuclear ribonucleoprotein polypeptide E pseudogene 4 [Source:HGNC
Symbol;Acc:HGNC:43446] - 23 31 34 40 81
66 3.985885779 4.841903039 5.6888011
7.966504975 17.84547761 10.99944444
ENSG00000266445 13.46598303 0 14.88645864 0 0
0 9.450813892 0 5.581380149 0.036288678
1 NARF-AS1 17 82476597 82477924
- 838 antisense NARF antisense RNA 1
[Source:HGNC Symbol;Acc:HGNC:53622] - 14 0 16
0 0 0 0.807765376 0 0.891296087
0 0 0
ENSG00000204427 103.8804405 28.71281834 43.72897226
25.34759057 16.96957523 17.54029674 58.77407705
19.95248751 1.557759466 0.036347588 1 ABHD16A 6
31686949 31703444 - 4153 protein_coding
abhydrolase domain containing 16A [Source:HGNC
Symbol;Acc:HGNC:13921] - 108 33 47 23 14

19	1.257369846	0.346266603	0.528301645			
0.307735748	0.207211314	0.212727036				
ENSG00000187672	13.46598303	14.79145187	0	0	0	
0	9.419144968	0	5.577694641	0.036356203		
1	ERC2	3	55508308	56468363	-	
7933	protein_coding	ELKS/RAB6-interacting/CAST family				
member 2	[Source:HGNC Symbol;Acc:HGNC:31922]			-	14	17
0	0	0	0	0.085328045	0.093383482	
0	0	0	0			
ENSG00000222031	13.46598303	14.79145187	0	0	0	
0	9.419144968	0	5.577694641	0.036356203		
1	AC023469.1	2	151001220	151048774		
-	469	lincRNA	novel transcript	-	14	
17	0	0	0	0	1.443299328	
1.579554723	0	0	0	0		
ENSG00000274100	13.46598303	4.350427021	5.582421991	0		
0	0	7.799610682	0	5.304423642		
0.036423528	1	AL627230.1	9	67721884		
67722094	-	211	unprocessed_pseudogene	family with		
sequence similarity	27-like	(FAM27L)	pseudogene	-	14	5
6	0	0	0	3.208091872	1.03263335	
1.327439788	0	0	0			
ENSG00000271216	385.7042283	632.5520889	401.9343834			
244.6593525	358.7853048	343.4205467	473.3969002			
315.6217347	0.585304383	0.036425981	1	LINC01050		
13	42810366	42812562	-	760		
lincRNA	long intergenic non-protein coding RNA	1050	[Source:HGNC			
Symbol;Acc:HGNC:49044]	-	401	727	432	222	296
372	25.51126516	41.68496261	26.53482272			
16.23122977	23.94007348	22.75937679				
ENSG00000230185	21.16083048	21.75213511	29.77291729			
8.816553243	0	0	24.22862762	2.938851081		
3.0508296	0.036475417	1	C9orf147	9		
112433816	112487204	-	1718	antisense		
chromosome 9 open reading frame	147	[Source:HGNC				
Symbol;Acc:HGNC:31438]	-	22	25	32	8	0
0	0.619156929	0.634125835	0.869506544			
0.258749114	0	0				
ENSG00000239665	465.5382706	241.013657	410.3080163			
224.8221077	261.8163035	234.4860722	372.286648			
240.3748278	0.630968968	0.036561235	1	AL157392.3		
10	13631143	13668445	+	15012		
processed_transcript	novel transcript	-		484	277	
441	204	216	254	1.558863263	0.80408102	
1.371342923	0.755098583	0.884428147	0.786730847			
ENSG00000112759	1658.239625	1499.157152	1583.547038			
1877.925841	2064.227615	1838.038464	1580.314605			
1926.73064	-0.285749748	0.036565149	1	SLC29A1	6	
44219505	44234151	+	4408	protein_coding		
solute carrier family 29 member 1	(Augustine blood group)					

[Source:HGNC Symbol;Acc:HGNC:11003]	-	1724	1723	1702
1704	1703	1991	18.91023353	17.03343703
18.02453235	21.48028544	23.74763812	21.00200185	
ENSG00000284738	24.04639827	11.31111026	10.23444032	0
3.636337549	0	15.19731628	1.212112516	
3.709528012	0.036582527	1	AL358472.5	1
153923337	153935240	+	1267	antisense
uncharacterized LOC101928059	[Source:NCBI gene;Acc:101928059]	-		
25	13	11	0	3
0.447121275	0.40528647	0	0.145543227	0
ENSG00000114857	1840.992252	1380.825537	1458.872947	
1422.77128	1147.870553	1049.648284	1560.230245	
1206.763372	0.370758967	0.036625121	1	NKTR 3
42600614	42648741	+	17356	protein_coding
natural killer cell triggering receptor	[Source:HGNC			
Symbol;Acc:HGNC:7833]	-	1914	1587	1568 1291 947
1137	5.332041347	3.984610573	4.217377267	
4.133221163	3.353881375	3.046083761		
ENSG00000100220	1654.392201	1536.570824	1574.243002	
1728.044436	1997.561427	2132.530814	1588.402009	
1952.712226	-0.298206524	0.036662164	1	RTCB 22
32387582	32412255	-	2948	protein_coding
"RNA 2',3'-cyclic phosphate and 5'-OH ligase	[Source:HGNC			
Symbol;Acc:HGNC:26935]"	-	1720	1766	1692 1568 1648
2310	28.20994141	26.10488701	26.79285016	
29.5549768	34.36189357	36.43472692		
ENSG00000273391	0	0	0	13.22482987 0
12.92442918	0	8.716419681	-5.689146057	0.036663471
1	AC083880.1	7	139359032	139359566
-	535	antisense	"novel transcript, antisense	
to LUC7L2"	-	0	0	12 0 14
0	0	0	1.246348535	0 1.216760974
ENSG00000117152	481.8898214	301.0495499	570.3374468	
1041.455352	712.7221596	391.4255694	451.0922727	
715.201027	-0.664502101	0.036710377	1	RGS4 1
163068775	163076802	+	4836	protein_coding
regulator of G protein signaling 4	[Source:HGNC			
Symbol;Acc:HGNC:10000]	-	501	346	613 945 588
424	5.009018667	3.117801089	5.917254085	
10.85819308	7.473747034	4.07671717		
ENSG00000268043	690.6125584	600.3589289	640.1177217	
466.1752527	385.4517802	557.5968017	643.696403	
469.7412782	0.452783498	0.03671215	1	NBPF12 1
146938744	146996202	+	7272	protein_coding
NBPF member 12	[Source:HGNC Symbol;Acc:HGNC:24297]	-		
718	690	688	423	318 604 4.773883215
4.134793437	4.416524092	3.232202343	2.687946435	
3.862016159				
ENSG00000115685	1074.393075	1049.322998	1155.561352	
1472.364392	1303.020955	1308.136868	1093.092475	

1361.174071	-0.316436146	0.036734026	1	PPP1R7	2	
241149576	241183652	+	3781	protein_coding		
protein phosphatase 1 regulatory subunit 7 [Source:HGNC						
Symbol;Acc:HGNC:9295]	-	1117	1206	1242	1336	1075
1417	14.28392997	13.89950161		15.33419403		
19.63413733	17.47628615	17.42585881				
ENSG00000207475	6.732991517	6.09059783		10.23444032		0
0	0	7.686009888	0	5.283937231		
0.036755899	1	SNORA80E	1	155919909		
155920045	-	137	snoRNA	"small nucleolar RNA, H/ACA		
box 80E [Source:HGNC	Symbol;Acc:HGNC:32635]"	-	7	7		
11	0	0	0	2.470464908		2.226568551
3.748160278	0	0	0			
ENSG00000273165	8.656703379	7.830768638		6.512825656		0
0	0	7.666765891	0	5.280420658		
0.036763132	1	AL121652.1	2	31852976		
31853423	-	448	lincRNA	novel transcript		-
9	9	7	0	0		0.971327561
0.875433362	0.729400509	0	0	0		0
ENSG00000160803	2937.508013	2451.030584		3007.064646		
3092.40605	3570.883473	3520.983778		2798.534414		
3394.757767	-0.278769234	0.036788777		0.235345624		UBQLN4
1	156035301	156053794		-		3878
protein_coding	ubiquilin 4 [Source:HGNC	Symbol;Acc:HGNC:1237]	-			
3054	2817	3232	2806	2946	3814	38.07697549
31.65465904	38.90537298	40.20609603		46.69520625		
45.73028438						
ENSG00000170385	857.0136345	937.0819804		878.3010599		
975.3312025	1586.655284	1027.49212		890.7988916		
1196.492869	-0.424736564	0.036831835		1		SLC30A1 1
211571568	211578742	-		5474		protein_coding
solute carrier family 30 member 1 [Source:HGNC						
Symbol;Acc:HGNC:11012]	-	891	1077	944	885	1309
1113	7.869989038	8.57372418		8.050321727		
8.983602375	14.69881127	9.454126072				
ENSG00000164211	366.4671097	557.7247441		547.0773551		
1006.189139	621.8137209	537.2869844		490.4230696		
721.7632814	-0.55678949	0.036864961		1		STARD4 5
111496033	111512590	-		5684		protein_coding
StAR related lipid transfer domain containing 4 [Source:HGNC						
Symbol;Acc:HGNC:18058]	-	381	641	588	913	513
582	3.240948447	4.914310104		4.829134402		
8.925421854	5.547670468	4.761019207				
ENSG00000197933	102.9185846	87.87862583		93.04036652		
191.760033	162.4230772	136.6296799		94.61252565		
163.6042634	-0.789612794	0.037009969		1		ZNF823 19
11721265	11739009	-		2459		protein_coding
zinc finger protein 823 [Source:HGNC						
Symbol;Acc:HGNC:30936]	-	100	174	134	148	
zf-C2H2	107	101	100	174	134	148
2.103906646	1.78986981	1.898399047		3.93190271		

3.34960526	2.798557309						
ENSG00000235109	93.3000253	69.60683234	66.05866023				
122.3296763	173.3320898	125.5515977	76.32183929				
140.4044546	-0.878799231	0.037010185	1	ZSCAN31	6		
28324693	28356271	-	4957	protein_coding			
	zinc finger and SCAN domain containing 31						
Symbol;Acc:HGNC:14097]	zf-C2H2	97	80	71	111	143	
136	0.946137012	0.703282265	0.668629395				
1.244274221	1.773227585	1.275707203					
ENSG00000151725	456.8815672	775.2460952	597.3191531				
889.3698084	831.5091862	790.2365269	609.8156051				
837.0385072	-0.456212487	0.037022254	1	CENPU	4		
184694618	184734133	-	2953	protein_coding			
	centromere protein U						
-	475	891	642	807	686	856	
7.777345262	13.1483984	10.1488683	15.18525647				
14.27933653	13.47849295						
ENSG00000105669	2778.801785	2019.468223	2842.383197				
2665.905287	3387.854483	3648.381722	2546.884402				
3234.047164	-0.344888428	0.037027044	0.235872734	COPE			
19	18899514	18919397	-	2885			
protein_coding	coatomer protein complex subunit epsilon						
Symbol;Acc:HGNC:2234]	-	2889	2321	3055	2419	2795	
3952	48.41756462	35.05806329	49.43237				
46.59100671	59.5502179	63.69452989					
ENSG00000274756	0	10.44102485	17.67766964	0	0		
0	9.372898163	0	5.570805521	0.037031488			
1	AC243732.1	17	36574462	36575325			
-	864	processed_pseudogene	ribosomal protein S2				
(RPS2) pseudogene	-	0	12	19	0	0	
0	0	0.60523788	1.026563679	0	0		
0							
ENSG00000065802	2217.077921	1887.215242	2166.910136				
1679.553393	1700.59386	1770.646797	2090.4011				
1716.93135	0.283673294	0.03707735	1	ASB1	2		
238426742	238452250	+	7410	protein_coding			
	ankyrin repeat and SOCS box containing 1						
Symbol;Acc:HGNC:16011]	-	2305	2169	2329	1524	1403	
1918	15.04021132	12.7555721	14.67227021				
11.42822554	11.63822699	12.0354245					
ENSG00000159433	716.5826686	408.94014	489.3923279				
461.7669761	338.179392	275.1057068	538.3050455				
358.3506917	0.587485584	0.037125106	1	STARD9	15		
42575659	42720981	+	20706	protein_coding			
	StAR related lipid transfer domain containing 9						
Symbol;Acc:HGNC:19162]	-	745	470	526	419	279	
298	1.739647589	0.989145651	1.185865871				
1.124423353	0.828238384	0.669192512					
ENSG00000138356	1299.467363	1214.639224	1387.231865				
2208.546587	1362.414468	1536.160725	1300.446151				

1702.373927	-0.388649179	0.037170402	1	AOX1	2	
200585868	200677064	+	5556	protein_coding		
	aldehyde oxidase 1 [Source:HGNC Symbol;Acc:HGNC:553]					-
1351	1396	1491	2004	1124	1664	11.75694072
10.94918463	12.52741435	20.0422984				12.43516163
13.92586251						
ENSG00000275468	31.74124572	4.350427021	0	0	0	
0.923173513	12.03055758	0.307724504				4.967540765
0.037189181	1	AC004678.1	19			2013728
2014656	-	929	processed_pseudogene	novel	pseudogene	
-	33	5	0	0	0	1
1.717510664	0.234537822	0	0	0	0	0.050051293
ENSG00000084623	8986.619963	8683.452334	8560.644123			
9433.71197	10490.83383	10506.63775	8743.57214			
10143.72785	-0.214319079	0.037247611	0.235872734			EIF3I
1	32221928	32231604	+		1725	
protein_coding	eukaryotic translation initiation factor 3 subunit I					
[Source:HGNC Symbol;Acc:HGNC:3272]		-	9343	9980	9201	
8560	8655	11381	261.8776686	252.1157861		
248.9957688	275.7380557	308.4077856	306.7766793			
ENSG00000149547	3794.521648	3797.92279	3142.903581			
3957.530337	4345.423371	4618.637084	3578.449339			
4307.196931	-0.267507101	0.037256587	0.235872734			EI24
11	125569216	125584687	+		3558	
protein_coding	"EI24, autophagy associated transmembrane protein					
[Source:HGNC Symbol;Acc:HGNC:13276]"		-	3945	4365	3378	
3591	3585	5003	53.60956463	53.46097833		
44.31999853	56.08174328	61.93420631	65.38160496			
ENSG00000275708	28.85567793	18.27179349	2.791210996			0
0	3.692694051	16.6395608	1.230898017			
3.691038164	0.037338292	1	MIR3648-1	21		
8208473	8208652	+	180	miRNA	microRNA	3648-1 [Source:HGNC
Symbol;Acc:HGNC:38941]		-	30	21	3	0
4	8.058421249	5.083998191	0.778027209			0
0	1.033281144					
ENSG00000264187	0	0	0	0	32.72703794	0
0	10.90901265	-6.00690402	0.037362604			1
AC055811.2	17	17202649	17237185			-
1693	protein_coding	novel	transcript		-	0
0	0	0	27	0	0	0
0	0.980289083	0				
ENSG00000225216	0	13.05128106	14.88645864	0	0	
0	9.312579902	0	5.56170657	0.037482817		
1	AC007362.1	2	205756469	205764006		
-	1623	antisense	novel	transcript		-
0	15	16	0	0	0	0
0.402746094	0.460200937	0	0	0		
ENSG00000076242	598.274389	790.9076325	833.641684			
1247.542284	951.5083253	817.9317323	740.9412352			
1005.660781	-0.440099233	0.037543519	1	MLH1	3	

36993332	37050918	+	3532	protein_coding
mutL homolog 1 [Source:HGNC Symbol;Acc:HGNC:7127]				
622	909	896	1132	785 886 8.514730493
11.21506477	11.84222615	17.8089279	13.66143506	
11.66390692				
ENSG00000256616	4.809279655	9.570939447	0.930403665	
31.96000551	21.81802529	24.92568484	5.103540922	
26.23457188	-2.356917038	0.037571934	1	AP002414.2
18	12073232	12076654	-	3423
transcribed_processed_pseudogene G protein-coupled receptor 125				
(GPR125) pseudogene - 5 11 1 29 18				
27	0.070625953	0.140037511	0.013637637	
0.47076389	0.32323097	0.366764999		
ENSG00000272078	0	0	0	32.31107295
0	10.77035765	-5.996070587	0.037611741	1
AL139423.1	1	10639241	10654333	+
7923	antisense	"novel transcript, antisense to CASZ1"		
-	0	0	0	35 0
0	0	0	0.205404241	
ENSG00000143418	3883.012393	3650.008271	3569.02846	
4028.062763	4768.450639	4383.227838	3700.683041	
4393.24708	-0.247421538	0.037644222	0.23652823	CERS2
1	150960583	150975004	-	4644
protein_coding ceramide synthase 2 [Source:HGNC				
Symbol;Acc:HGNC:14076] - 4037 4195 3836 3655 3934				
4748	42.03080954	39.36392103	38.5595914	
43.73279294	52.07023104	47.53894258		
ENSG00000153774	930.1146852	807.4392551	923.8908395	
739.4884033	647.2680837	674.8398378	887.14826	
687.1987749	0.368184561	0.037647237	1	CFDP1 16
75293698	75433485	-	3317	protein_coding
craniofacial development protein 1 [Source:HGNC				
Symbol;Acc:HGNC:1873] - 967 928 993 671 534				
731	14.09555625	12.19161115	13.97493552	
11.24058961	9.8956231	10.24714599		
ENSG00000229932	6.732991517	6.09059783	17.67766964	
27.55172889	31.51492542	52.62089023	10.16708633	
37.22918151	-1.875698323	0.037698015	1	YWHAZP3 10
23136924	23137661	+	738	
processed_pseudogene tyrosine 3-monooxygenase/tryptophan 5-				
monooxygenase activation protein zeta pseudogene 3 [Source:HGNC				
Symbol;Acc:HGNC:31101] - 7 7 19 25 26				
57	0.458609339	0.413333186	1.201830648	
1.882329682	2.165530707	3.591282026		
ENSG00000113328	551.1434484	947.5230052	707.1067855	
1019.413969	1279.990817	793.9292209	735.2577464	
1031.111336	-0.486659141	0.037725793	1	CCNG1 5
163437569	163446151	+	3096	protein_coding
cyclin G1 [Source:HGNC Symbol;Acc:HGNC:1592] - 573				
1089	760	925	1056	860 8.948595689

15.32800119	11.45931549	16.60171004	20.96574631	
12.91601431				
ENSG00000092820	2075.685099	2395.345118	2719.569913	
3211.429519	2867.858214	2745.518027	2396.86671	
2941.60192	-0.295291481	0.037744186	0.23652823	EZR
6	158765741	158819412	-	3342
protein_coding	ezrin [Source:HGNC Symbol;Acc:HGNC:12691]			-
2158	2753	2923	2914	2366
35.89701724	40.82896827	48.45015218	31.22095701	43.51667002
41.37762285				
ENSG00000131043	3145.268894	2666.811764	2836.800775	
2771.703926	3934.517228	4157.973501	2882.960478	
3621.398218	-0.329189284	0.037746608	0.23652823	AAR2
20	36236459	36270918	+	3101
protein_coding	AAR2 splicing factor homolog [Source:HGNC			
Symbol;Acc:HGNC:15886]	-	3270	3065	3049
4504	50.98556108	43.07123358	45.89883833	2515
45.06592263	64.34193379	67.53480244		3246
ENSG00000267508	117.3464236	100.9299069	117.2308618	
60.61380355	72.72675098	27.69520538	111.8357308	
53.67858664	1.064608426	0.037810559	1	ZNF285 19
44382298	44401608	-	6866	protein_coding
zinc finger protein 285	[Source:HGNC Symbol;Acc:HGNC:13079]			
zf-C2H2	122	116	126	55
0.859126763	0.736228776	0.856668468	0.445113672	60
0.537149049	0.203164804			30
ENSG00000090889	724.277516	811.7896822	667.0994279	
1469.058184	911.5086123	728.3839015	734.3888754	
1036.316899	-0.496287733	0.037818245	1	KIF4A X
70290090	70420832	+	4533	protein_coding
kinesin family member 4A	[Source:HGNC Symbol;Acc:HGNC:13339]			
-	753	933	717	1333
8.031755394	8.969216815	7.38379231	16.34016637	752
10.19716582	8.093237819			789
ENSG00000232850	6.732991517	9.570939447	6.512825656	0
0	0	7.60558554	0	5.269236842
0.037875096	1	PTGES2-AS1	9	128128529
128130628	+	2100	lincRNA PTGES2 antisense RNA 1 (head	
to head) [Source:NCBI gene;Acc:389791]	-		7	11
0	0	0	0.161168425	0.228261143
0.155605442	0	0	0	
ENSG00000268182	4.809279655	6.960683234	11.16484398	0
0	0	7.644935624	0	5.27645934
0.037876516	1	SMIM17 19	56643145	56655766
+	1076	protein_coding	small integral membrane	
protein 17 [Source:HGNC Symbol;Acc:HGNC:27114]	-		5	8
12	0	0	0.224677172	0.323993512
0.520613002	0	0	0	
ENSG00000095066	360.6959741	341.0734785	398.2127687	
218.2096928	317.5734793	201.2518258	366.6607404	

245.6783326	0.579800633	0.037903188	1	HOOK2	19
12763003	12872740	-	5950	protein_coding	
hook microtubule tethering protein 2 [Source:HGNC					
Symbol;Acc:HGNC:19885]	-	375	392	428	198
218	3.047302153	2.870963684	3.357939283		262
1.849099445	2.706647417	1.703611433			
ENSG00000100280	865.6703379	858.774294	974.1326375		
1054.680182	1021.810851	1443.843374	899.5257564		
1173.444802	-0.38446898	0.037937133	1	AP1B1	22
29327680	29423179	-	6721	protein_coding	
adaptor related protein complex 1 subunit beta 1 [Source:HGNC					
Symbol;Acc:HGNC:554]	-	900	987	1047	957
1564	6.4745536	6.399438283	7.272082917		843
7.912069364	7.709763204	10.8201647			
ENSG00000239672	1471.639574	1242.481957	1424.448011		
1559.427855	1812.108212	1751.260154	1379.523181		
1707.59874	-0.307939831	0.037975933	1	NME1	17
51153536	51162428	+	3438	protein_coding	
NME/NM23 nucleoside diphosphate kinase 1 [Source:HGNC					
Symbol;Acc:HGNC:7849]	-	1530	1428	1531	1415
1897	21.51725045	18.10009827	20.78812666		1495
22.86981288	26.72899812	25.65620852			
ENSG00000273416	13.46598303	0	4.652018326	41.87862791	
39.99971304	16.61712323	6.039333786	32.83182139		
-2.448354678	0.03799812	1	AL732292.2	1	
235104180	235104609	-	430	lincRNA novel	
transcript	-	14	0	5	38
1.574203221	0	0.542809681	4.910516613	33	18
4.717292919	1.946413319				
ENSG00000184995	55.78764399	35.67350157	66.05866023		
12.12276071	16.96957523	25.84885836	52.50660193		
18.31373143	1.513681882	0.038028994	1	IFNE	9
21480839	21482313	-	1475	protein_coding	
interferon epsilon [Source:HGNC Symbol;Acc:HGNC:18163]					
58	41	71	11	14	28
1.211296421	2.247048076	0.414393284	0.583422771		1.901241081
0.882667283					
ENSG00000115738	162.5536523	154.875202	143.2821644		
224.8221077	192.7258901	322.1875559	153.5703396		
246.5785179	-0.68517672	0.038083542	1	ID2	2
8678845	8684453	+	2205	protein_coding	inhibitor of
DNA binding 2 [Source:HGNC Symbol;Acc:HGNC:5361]					
178	154	204	159	349	bHLH
3.51779078	3.260304496	5.140834435	4.432368816		169
7.359492233					
ENSG00000102032	20.19897455	63.51623451	39.07695394		
16.53103733	1.212112516	12.00125567	40.930721		
9.914801838	2.037765024	0.038132811	1	RENBP	X
153935263	153944691	-	2057	protein_coding	
renin binding protein [Source:HGNC Symbol;Acc:HGNC:9959]					

-	21	73	42	15	1	13
0.49361258	1.546490178		0.953149522		0.405199603	
0.029882234	0.293859732					
ENSG00000187961	567.4949993		423.7315919		701.5243636	
348.2538531	379.3912176		454.2013683		564.2503182	
393.948813	0.517184847		0.038139327		1	KLHL17 1
960587	965715	+	3395	protein_coding		kelch like
family member 17	[Source:HGNC Symbol;Acc:HGNC:24023]			-		590
487	754	316	313	492	8.402595352	
6.250975264	10.36758496		5.172009902		5.666983121	
6.738393089						
ENSG00000186326	12.5041271		9.570939447		50.24179792	
6.612414933	3.636337549		0	24.10562149	3.416250827	
2.836844796	0.038249439		1	RGS9BP	19	
32675407	32678300	+	2894	protein_coding		
regulator of G protein signaling 9 binding protein	[Source:HGNC					
Symbol;Acc:HGNC:30304]	-	13	11	54	6	3
0	0.217193109		0.165635246		0.871046357	
0.11520326	0.063719167		0			
ENSG00000203280	0	15.66153728		12.09524765	0	0
0	9.252261641		0	5.552547875	0.038265882	
1	AL022323.1		22	25102433	25112692	
-	957	antisense		uncharacterized	LOC100128531	
[Source:NCBI gene;Acc:100128531]	-	0		18	13	
0	0	0	0	0.819632489	0.63412876	
0	0	0				
ENSG00000204625	23.08454234		5.220512425		0	0
0	9.435018256		0	5.579001901	0.038271038	
1	HCG9	6	29975112	29978410		+
700	lincRNA HLA complex group 9 [Source:HGNC					
Symbol;Acc:HGNC:21243]	-	24	6	0	0	0
0	1.657732371		0.373518234		0	0
0						
ENSG00000231058	23.08454234		5.220512425		0	0
0	9.435018256		0	5.579001901	0.038271038	
1	MSANTD2P1		21	23101223	23103074	
+	1368	processed_pseudogene		Myb/SANT DNA binding		
domain containing 2 pseudogene 1	[Source:HGNC Symbol;Acc:HGNC:39637]					
-	24	6	0	0	0	0
0.848254868	0.191127752		0	0	0	0
ENSG00000115128	1577.443727		1811.517812		1831.034413	
1817.312037	2204.832667		2506.416087		1739.99865	
2176.186931	-0.322956674		0.038326048		1	SF3B6 2
24067584	24076443		-	1197	protein_coding	
splicing factor 3b subunit 6	[Source:HGNC					
Symbol;Acc:HGNC:30096]	-	1640	2082	1968	1649	1819
2715	66.2446659		75.79580547		76.74975177	
76.54882854	93.40839479		105.464598			
ENSG00000140988	35199.11779		37969.65696		45075.26637	
41087.34225	47849.35369		52626.42927		39414.68037	

47187.7084	-0.259694064	0.03840714	0.239012647	RPS2
16	1962052	1964860	-	2413
protein_coding				
ribosomal protein S2 [Source:HGNC Symbol;Acc:HGNC:10404]				-
36595	43639	48447	37282	39476
57006	733.272919			
788.090452	937.2503325	858.5269326	1005.59517	
1098.485338				
ENSG00000157353	394.3609317	472.4563745	471.7146583	
155.3917509	368.482205	330.4961176	446.1773215	
284.7900245	0.647904915	0.038411371	1	FUK
16				
70454421	70480274	+	7405	protein_coding
fucokinase [Source:HGNC Symbol;Acc:HGNC:29500]				-
410				
543	507	141	304	358
2.677071745				
3.195459845	3.196163093	1.058049761	2.523456839	
2.247962085				
ENSG00000277452	10.58041524	1.740170808	11.16484398	0
0	0	7.828476677	0	5.309640903
0.038422234	1	RN7SL473P	1	150566562
150566860	-	299	misc_RNA	"RNA, 7SL, cytoplasmic
473, pseudogene [Source:HGNC Symbol;Acc:HGNC:46489]"				-
11				
2	12	0	0	0
1.778781948				
0.291485802	1.873510337	0	0	0
ENSG00000177954	7837.202125	11831.42133	11288.58767	
10984.32327	13344.14669	14216.8721	10319.07037	
12848.44735	-0.316268718	0.03844462	0.239012647	RPS27
1	153990755	153992155	+	1035
protein_coding	ribosomal protein S27 [Source:HGNC			
Symbol;Acc:HGNC:10416]				-
11009				
15400	380.6377759	572.5234568	547.235022	
535.1014799	653.8150031	691.8491141		
ENSG00000171790	53.86393213	52.20512425	36.28574294	
27.55172889	9.69690013	6.462214589	47.45159978	
14.5702812	1.707641167	0.038463875	1	SLFNL1
1				
41015597	41023237	-	4310	protein_coding
schlafen like 1 [Source:HGNC Symbol;Acc:HGNC:26313]				-
56	60	39	25	8
7				
0.628220311				
0.606642144	0.422409204	0.322310744	0.114093283	
0.075518227				
ENSG00000184786	95.22373716	40.894014	46.52018326	
19.8372448	21.81802529	26.77203187	60.87931147	
22.80910065	1.413244632	0.038470312	1	TCTE3
6				
169740114	169751587	-	2626	protein_coding
t-complex-associated-testis-expressed 3 [Source:HGNC				
Symbol;Acc:HGNC:11695]				-
18				
29	1.822811204	0.779940969	0.888835349	
0.380881455	0.421332678	0.513492724		
ENSG00000268163	16.35155083	4.350427021	2.791210996	0
0	0	7.831062948	0	5.310070029
0.038473518	1	AC004076.1	19	57437970
57477536	-	1028	protein_coding	novel transcript
-	17	5	3	0
0				0

0.79957098	0.211951009	0.136230445	0	0	0
ENSG00000260751	0	2.610256213	6.512825656	31.96000551	
	14.5453502	17.54029674	3.04102729	21.34855081	
	-2.809118841	0.038533615	1	AC008870.2	16
	23568673	23569696	+	1024	sense_intronic
	novel transcript	-	0	3	7
	12	19	0	0.127667365	0.319112723
1.573657025	0.720325268	0.862749393			
ENSG00000210082	222960.1285	189874.3873		188540.7203	
213135.7664	286779.7608	420740.9443		200458.4121	
306885.4905	-0.614400267	0.038533629		0.239012647	MT-
RNR2	MT	1671	3229	+	1559
					Mt_rRNA
	mitochondrially encoded	16S RNA	[Source:HGNC Symbol;Acc:HGNC:7471]		
	-	231802	218225	202644	193396
				236595	455755
7189.062844	6099.81951	6067.833706		6893.081538	
9328.39242	13593.03217				
ENSG00000124217	585.7702619	627.3315765		740.6013175	
662.3435624	924.8418499	1077.343489		651.2343853	
888.1763006	-0.448190537	0.038574685		1	MOCS3
	50958826	50963931	+	5106	protein_coding
					molybdenum cofactor synthesis 3 [Source:HGNC
	Symbol;Acc:HGNC:15765]	-	609	721	796
					601
					763
	1167	5.766837298	6.153370314	7.277434296	
6.540421013	9.185252251	10.62725407			
ENSG00000100299	182.7526269	58.29572208		86.52754086	
58.40966524	58.18140078	12.92442918		109.1919633	
43.17183173	1.343863304	0.038598041		1	ARSA
	50622754	50628173	-	2932	protein_coding
					arylsulfatase A [Source:HGNC Symbol;Acc:HGNC:713]
	190	67	93	53	48
					14
					3.133219722
	0.995793838	1.480692984	1.00443988	1.006293417	
	0.222021528				
ENSG00000254858	252.0062539	244.4939986		186.080733	
349.3559223	352.7247422	306.4936062		227.5269952	
336.1914236	-0.562626192	0.038843877		1	MPV17L2
	18193182	18196948	+	2135	protein_coding
					MPV17 mitochondrial inner membrane protein like 2 [Source:HGNC
	Symbol;Acc:HGNC:28177]	-	262	281	200
					317
					291
	332	5.933413678	5.735443928	4.372986656	
8.250370018	8.378040778	7.230548149			
ENSG0000042062	25.97011014	12.18119566		28.84251362	
3.306207466	2.424225033	6.462214589		22.33127314	
4.064215696	2.441458987	0.038950609		1	RIPOR3
	50586108	50691528	-	6009	protein_coding
					RIPOR family member 3 [Source:HGNC Symbol;Acc:HGNC:16168]
	-	27	14	31	3
					2
					7
0.217251496	0.101527672	0.240827194		0.027741574	
0.020458564	0.054166011				
ENSG00000197980	39.43609317	29.58290374		29.77291729	
15.42896818	3.636337549	5.539041076		32.93063807	

8.201448934	2.005164592	0.038979921	1	LEKR1	3	
156825481	157046129	+	5602	protein_coding		
"leucine, glutamate and lysine rich 1 [Source:HGNC						
Symbol;Acc:HGNC:33765]"	-	41	34	32	14	3
6	0.353868552	0.264480959	0.266656951			
0.138866335	0.032917399	0.049801126				
ENSG00000064687	50.01650841	64.38631991	60.47623824			
28.65379804	15.75746271	0	58.29302219	14.80375358		
1.986353066	0.039059452	1	ABCA7	19		
1040101	1065572	+	8367	protein_coding	ATP binding cassette	
subfamily A member 7 [Source:HGNC Symbol;Acc:HGNC:37]						
74	65	26	13	0	0.300493299	
0.385407843	0.362651621	0.172669497	0.095503864	0		
ENSG00000108666	586.7321179	646.4734554	530.3300892			
476.0938751	435.1483934	392.3487429	587.8452208			
434.5303371	0.436733646	0.039083454	1	C17orf75		
17	32324565	32350023	-	5740		
protein_coding chromosome 17 open reading frame 75 [Source:HGNC						
Symbol;Acc:HGNC:30173]	-	610	743	570	432	359
425	5.138296476	5.640732687	4.635632501			
4.181998744	3.844411931	3.442770364				
ENSG00000232059	17.31340676	10.44102485	7.443229322	0		
0	1.846347025	11.73255364	0.615449008			
4.160459301	0.039092761	1	AL451007.1	1		
244694432	244694720	-	289	processed_pseudogene		
ribosomal protein L37 (RPL37) pseudogene						
12	8	0	0	2	3.011451539	
1.809430894	1.292225123	0	0	0.321783055		
ENSG00000134871	2496.977997	1367.774255	2261.81131			
1578.163031	1612.109647	1430.918945	2042.187854			
1540.397207	0.406783683	0.039178541	1	COL4A2	13	
110305812	110513209	+	19293	protein_coding		
collagen type IV alpha 2 chain [Source:HGNC						
Symbol;Acc:HGNC:2203]	-	2596	1572	2431	1432	1330
1550	6.505881375	3.550678702	5.88208411			
4.12434795	4.237397801	3.735622237				
ENSG00000285781	0	0	0	0	10.90901265	
14.7707762	0	8.559929617	-5.661805897	0.039243802		
1	AL117340.1	10	31362799	31364049		
-	1251	unprocessed_pseudogene	putative UPF0607			
protein FLJ37424 [Source:NCBI gene;Acc:100505502]						
0	0	0	9	16	0	0
0	0.442214074	0.594694184				
ENSG00000166133	398.2083554	310.6204893	380.5350991			
337.2331616	633.934846	648.0678059	363.1213146			
539.7452712	-0.572379789	0.039273259	1	RPUSD2	15	
40569300	40574943	+	2482	protein_coding		
RNA pseudouridylate synthase domain containing 2 [Source:HGNC						
Symbol;Acc:HGNC:24180]	-	414	357	409	306	523
702	8.064914739	6.267942976	7.692501094			

6.850648628	12.95231124	13.15122939				
ENSG00000242020	5.771135586	11.31111026	5.582421991	0		
0	0	7.554889277	0	5.259894227		
0.039290984	1	RN7SL68P	5	141479316		
141479625	+	310	misc_RNA	"RNA, 7SL, cytoplasmic		
68, pseudogene	[Source:HGNC	Symbol;Acc:HGNC:46084]"	-	6		
13	6	0	0	0.935816661		
1.827427921	0.903515469	0	0	0		
ENSG00000084636	442.4537282	218.3914365	485.6707132			
324.0083317	208.4833528	154.1699766	382.1719593			
228.8872204	0.74025701	0.039313154	1	COL16A1	1	
31652247	31704319	-	9269	protein_coding		
collagen type XVI alpha 1 chain	[Source:HGNC					
Symbol;Acc:HGNC:2193]	-	460	251	522	294	172
167	2.3995299	1.180047358	2.628958053			
1.762489311	1.140625102	0.837750329				
ENSG00000140265	639.6341941	517.7008155	597.3191531			
355.9683372	512.7235944	398.8109575	584.8847209			
422.500963	0.469978812	0.039405954	1	ZSCAN29	15	
43358172	43371025	-	6634	protein_coding		
zinc finger and SCAN domain containing 29	[Source:HGNC					
Symbol;Acc:HGNC:26673]	zf-C2H2	665	595	642	323	423
432	4.846714016	3.908409824	4.517577344			
2.705447426	3.919333868	3.027884451				
ENSG00000131437	680.9939991	588.1777333	543.3557405			
425.398694	339.3915046	530.8247698	604.1758243			
431.8716561	0.482456784	0.039454818	1	KIF3A	5	
132692628	132737638	-	6860	protein_coding		
kinesin family member 3A	[Source:HGNC					
Symbol;Acc:HGNC:6319]						
-	708	676	584	386	280	575
4.99011275	4.294189226	3.97406318	3.126620943			
2.508888009	3.897397903					
ENSG00000115307	2527.757387	2002.066515	2526.045951			
2625.128728	2900.585252	3124.942341	2351.956618			
2883.552107	-0.294306047	0.039456747	0.243914435	AUP1		
2	74526645	74529939	-	2634		
protein_coding	"AUP1, lipid droplet regulating	VLDL assembly factor				
[Source:HGNC	Symbol;Acc:HGNC:891]"	-	2628	2301	2715	
2382	2393	3385	48.24038962	38.06794611		
48.11717251	50.25022725	55.84371322	59.75495457			
ENSG00000270872	100.9948727	98.31965068	89.31875186			
39.6744896	49.69661317	53.54406374	96.21109176			
47.63838883	1.013076037	0.039486132	1	SRGAP2D	1	
143975087	144068350	+	1021			
unprocessed_pseudogene	SLIT-R0B0 Rho GTPase activating protein 2D	(pseudogene)	[Source:HGNC	Symbol;Acc:HGNC:43932]	-	105
113	96	36	41	58	4.972385295	
4.822933782	4.389262219	1.959245249	2.468342806			
2.641394502						
ENSG00000139697	2095.884074	1874.163961	1690.54346			

1810.699622	1208.476179	1395.838351	1886.863831		
1471.671384	0.358335266	0.039528545	1	SBN01	12
123289109	123364843	-	11124	protein_coding	
	strawberry notch homolog 1 [Source:HGNC Symbol;Acc:HGNC:22973]				
-	2179	2154	1817	1643	997 1512
9.471035545	8.438073743	7.625002369	8.207079246		
5.509111197	6.320069136				
ENSG00000127948	1506.266388	1196.367431	1555.634928		
1497.711982	2098.166766	1846.347025	1419.422916		
1814.075258	-0.353937166	0.03955953	1	POR	7
75899200	75986855	+	6112	protein_coding	
	cytochrome p450 oxidoreductase [Source:HGNC				
Symbol;Acc:HGNC:9208]	-	1566	1375	1672	1359 1731
2000	12.38824052	9.803427701	12.77023718		
12.35515377	17.4084892	15.2152001			
ENSG00000257243	65.4062033	26.10256213	10.23444032		
12.12276071	6.060562582	0	33.91440192	6.061107764	
2.496508388	0.039663543	1	AC020612.1	12	
49595148	49595688	+	541		
processed_pseudogene	Protein DJ-1 (PARK7)	pseudogene	-		68
30	11	11	5	0	6.077330627
2.416476563	0.949164433	1.129815331	0.568093865		0
ENSG00000207034	21.16083048	2.610256213	0.930403665		0
0	0	8.23383012	0	5.382082312	
0.039704579	1	RF00019	18	2778941	2779057 + 117
misc_RNA		-	22	3	1 0
0	0	9.091552178	1.11736224	0.398988312	
0	0	0			
ENSG00000130224	8.656703379	8.700854042	10.23444032		0
0	0.923173513	9.197332579	0.307724504		
4.581253048	0.039739456	1	LRCH2	X	115110616
115234072	-	4929	protein_coding	leucine rich	
repeats and calponin homology domain containing 2	[Source:HGNC				
Symbol;Acc:HGNC:29292]	-	9	10	11	0 0
1	0.088284591	0.088409672	0.104178932		0
0	0.009433486				
ENSG00000184319	268.3578047	380.2273217	348.9013744		
512.4621573	489.6934566	412.6585602	332.4955003		
471.6047247	-0.503117732	0.039739606	1	RPL23AP82	
22	50756948	50801309	+	4250	
transcribed_unprocessed_pseudogene	ribosomal protein L23a				
pseudogene 82	[Source:HGNC Symbol;Acc:HGNC:33730]				
437	375	465	404	447	3.174069922
4.480754036	4.118967578	6.079614841	5.843052591		
4.890458875					
ENSG00000131143	7469.77316	7328.72936	8336.41684		
8089.187601	9793.869132	9439.449168	7711.639787		
9107.501967	-0.240021186	0.039805537	0.245244849		COX4I1
16	85798633	85807044	+	4792	
protein_coding	cytochrome c oxidase subunit 4I1 [Source:HGNC				

Symbol;Acc:HGNC:2265]	-	7766	8423	8960	7340	8080
10225	78.35772047	76.59644067		87.28452164		
85.11209766	103.6434621	99.21504311				
ENSG00000256188	17.31340676	0	10.23444032	0	0	
0	9.182615691	0	5.539667227	0.03982798		
1	TAS2R30	12	11132958	11134644		-
1687	protein_coding	taste 2 receptor member 30				
[Source:HGNC Symbol;Acc:HGNC:19112]		-	18	0	11	
0	0	0	0.515891817	0	0.304385275	
0	0	0				
ENSG00000158636	824.3105328	634.2922597	565.6854284			
547.7283702	471.5117688	463.4331034	674.7627403			
494.2244142	0.449165878	0.03985233	1	EMSY	11	
76444923	76553025	+	11783	protein_coding		
"EMSY, BRCA2 interacting transcriptional repressor						
[Source:HGNC Symbol;Acc:HGNC:18071]"		-	857	729	608	
497	389	502	3.516625822	2.696064316		
2.408761147	2.343756852	2.029275835	1.980974374			
ENSG00000114841	595.3888213	381.9674925	544.2861441			
185.1476181	220.604478	516.9771671	507.2141526			
307.5764211	0.718741829	0.039863008	1	DNAH1	3	
52316319	52400491	+	13872	protein_coding		
dynein axonemal heavy chain 1 [Source:HGNC						
Symbol;Acc:HGNC:2940]	-	619	439	585	168	182
560	2.157509841	1.379062782	1.96862421			
0.672949144	0.806454126	1.877067823				
ENSG00000261616	15.3896949	0	12.09524765	0	0	
0	9.161647514	0	5.536445078	0.039865047		
1	AC036108.3	15	99139317	99145370		
+	2677	antisense	"novel transcript, antisense			
to TTC23"	-	16	0	13	0	0
0.288983354	0	0.226694517	0	0	0	
ENSG00000144034	491.5083807	494.2085096	408.447209			
582.9945832	569.6928827	739.4619837	464.7213664			
630.7164832	-0.441519358	0.039894979	1	TPRKB	2	
73729104	73737400	-	2047	protein_coding		
TP53RK binding protein [Source:HGNC Symbol;Acc:HGNC:24259]						
-	511	568	439	529	470	801
12.06991673	12.09174809	10.01135158	14.359849			
14.11326108	18.1947332					
ENSG00000227372	629.0537788	555.1144879	659.6561986			
393.4386885	471.5117688	500.3600439	614.6081551			
455.1035004	0.432851731	0.039915775	1	TP73-AS1		
1	3735511	3747373	-	9701		
transcribed_unitary_pseudogene	TP73 antisense RNA 1 [Source:HGNC					
Symbol;Acc:HGNC:29052]	-	654	638	709	357	389
542	3.259586123	2.865911478	3.411738736			
2.044860826	2.464793029	2.597848378				
ENSG00000142208	1765.005633	2021.208394	1929.657202			
2522.636297	2260.589843	2154.686979	1905.29041			

2312.637706	-0.279261781	0.039928007	1	AKT1	14	
104769349	104795751	-	11162	protein_coding		
AKT serine/threonine kinase 1 [Source:HGNC						
Symbol;Acc:HGNC:391]	-	1835	2323	2074	2289	1865
2334	7.94868464	9.069133385		8.673867221		
11.39503906	10.27032479	9.722766404				
ENSG00000176014	3677.175224	5009.951758		5147.923479		
5823.333417	5382.991685	5668.285368		4611.683487		
5624.870157	-0.286477529	0.039944805		0.245279808		TUBB6
18	12307669	12344320		+	4117	
protein_coding tubulin beta 6 class V [Source:HGNC						
Symbol;Acc:HGNC:20776]	-	3823	5758	5533	5284	4441
6140	44.89775725	60.94658715		62.73730214		
71.31715101	66.30515069	69.34553806				
ENSG00000153904	451.1104316	416.7709086		481.9490986		
862.9201487	539.3900698	511.4381261		449.9434796		
637.9161148	-0.50340696	0.039981513		1	DDAH1	1
85318481	85578363	-		4568	protein_coding	
dimethylarginine dimethylaminohydrolase 1 [Source:HGNC						
Symbol;Acc:HGNC:2715]	-	469	479	518	783	445
554	4.964185069	4.569492995		5.293582676		
9.524621155	5.987992889	5.639163514				
ENSG00000100605	827.1961006	838.7623297		777.8174641		
958.8001652	1043.628877	1081.959357		814.5919648		
1028.129466	-0.336021592	0.040050373		1	ITPK1	14
92936914	93116320	-		6783	protein_coding	
inositol-tetrakisphosphate 1-kinase [Source:HGNC						
Symbol;Acc:HGNC:6177]	-	860	964	836	870	861
1172	6.130245267	6.193181596		5.753478522		
7.127044643	7.802408684	8.034092224				
ENSG00000280062	0	0		0	0	
38.77328753	0.310134555	12.92442918		-5.297719116		
0.04007149	1	AL031719.1		16	1530715	1533301 +
2587	TEC	TEC		-	0	0
0	42	0		0	0.018044698	0
0.754890361						
ENSG00000073067	20.19897455	0		7.443229322	0	0
0	9.214067957	0		5.54449341	0.040156516	
1	CYP2W1	7		983199	989640	+
2773						
protein_coding cytochrome P450 family 2 subfamily W member 1						
[Source:HGNC Symbol;Acc:HGNC:20243]	-			21	0	8
0	0	0		0.366159783	0	0.134674742
0	0	0				
ENSG00000175793	12.5041271	0		14.88645864	0	0
0	9.130195248	0		5.531602567	0.040237877	
1	SFN	1		26863138	26864457	+
1320	protein_coding	stratifin				
[Source:HGNC						
Symbol;Acc:HGNC:10773]	-	13		0	16	0
0	0.476179437	0		0.56583797	0	0
0						

ENSG00000220091	2.885567793	8.700854042	11.16484398	0		
0	0	7.583755273	0	5.26523267		
0.040244395	1	LAP3P1	6	82924829	82925122	
-	294	processed_pseudogene			leucine aminopeptidase	
3 pseudogene 1	[Source:HGNC Symbol;Acc:HGNC:42364]			-	3	
10	12	0	0	0	0.49337273	
1.482215216	1.905372757	0	0	0		
ENSG00000092758	12.5041271	0	21.3992843	1.102069155		
0	0	11.30113713	0.367356385	4.877584128		
0.040245071	1	COL9A3	20	62816244		
62841159	+	4841	protein_coding	collagen type IX alpha		
3 chain	[Source:HGNC Symbol;Acc:HGNC:2219]			-	13	0
23	1	0	0	0.129840293	0	
0.22178838	0.011478284	0	0			
ENSG00000135446	2668.188352	2517.157074	2824.705528			
3124.366056	3139.371417	3223.721906	2670.016985			
3162.48646	-0.244334603	0.040263797	0.246414441	CDK4		
12	57747727	57756013	-	3168		
protein_coding	cyclin dependent kinase 4	[Source:HGNC				
Symbol;Acc:HGNC:1773]	-	2774	2893	3036	2835	2590
3492	42.33723588	39.7943906	44.73656453			
49.72558876	50.25299514	51.25309313				
ENSG00000277957	0	0	19.8372448	6.060562582		
0	0	8.63260246	-5.67096173	0.040342059		
1	SEN3-EIF4A1	17	7563287	7578715	+	3519
protein_coding	SEN3-EIF4A1 readthrough (NMD candidate)					
[Source:HGNC Symbol;Acc:HGNC:49182]			-	0	0	0
18	5	0	0	0	0.284226968	
0.087336965	0					
ENSG00000138698	671.3754398	754.3640455	656.8649876			
980.8415483	972.1142381	763.464495	694.201491			
905.4734271	-0.382374446	0.040368357	1	RAP1GDS1		
4	98261384	98443861	+	5424		
protein_coding	Rap1 GTPase-GDP dissociation stimulator 1	[Source:HGNC				
Symbol;Acc:HGNC:9859]	-	698	867	706	890	802
827	6.222099592	6.965591706	6.076185948			
9.117638507	9.088705842	7.089520242				
ENSG00000252906	26.93196607	0	1.86080733	0	0	
0	9.597591132	0	5.603186554	0.040425793		
1	SCARNA3	1	175968398	175968540		-
143	scaRNA small Cajal body-specific RNA 3	[Source:HGNC				
Symbol;Acc:HGNC:32577]	-	28	0	2	0	0
0	9.467236152	0	0.652889966	0	0	
0						
ENSG00000119227	225.0742878	308.0102331	348.9013744			
405.5614492	466.6633188	403.4268251	293.9952985			
425.2171977	-0.53159826	0.040495872	1	PIGZ	3	
196946343	196969060	-	3211	protein_coding		
phosphatidylinositol glycan anchor biosynthesis class Z						
[Source:HGNC Symbol;Acc:HGNC:30596]			-	234	354	375

368	385	437	3.523520222	4.804205258		
5.451763378	6.368241971		7.370005028	6.328082748		
ENSG00000164045	695.4218381		636.9025159	756.4181798		
1040.353283	790.2973606		892.7087868	696.2475113		
907.7864767	-0.383127696		0.040513952	1	CDC25A	3
48157146		48188402	-	4117	protein_coding	
	cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725]					
-	723	732	813	944	652	967
8.490996205	7.747985723		9.218403514	12.74098989		
9.734509851	10.92135754					
ENSG00000146411	3.847423724		2.610256213	16.74726597		0
0	0	7.73498197	0	5.292856694		
0.040620266	1	SLC2A12	6	133988697	134052636	
-	4468	protein_coding		solute carrier family 2 member		
12 [Source:HGNC	Symbol;Acc:HGNC:18067]	-	4	3	18	
0	0	0	0.043286059	0.029259486		
0.188063873	0	0	0			
ENSG00000130045	0	8.700854042	18.6080733	0	0	
0	9.102975782	0	5.52853156	0.040705298		
1	NXNL2	9	88534033	88584274		+
2498	protein_coding		nucleoredoxin like 2 [Source:HGNC			
Symbol;Acc:HGNC:30482]	-	0	10	20	0	0
0	0	0.174448068	0.373752062	0	0	
0						
ENSG00000187676	457.8434231		437.6529583	411.23842		
865.124287	509.0872568		496.6673498	435.5782672		
623.6262979	-0.517504309		0.040709335	1	B3GLCT	13
31199936		31332276	+	4566	protein_coding	
	beta 3-galucosyltransferase [Source:HGNC Symbol;Acc:HGNC:20207]					
-	476	503	442	785	420	538
5.04048425	4.800546443		4.518896537	9.553132321		
5.654064304	5.478698315					
ENSG00000182359	143.3165337		133.9931523	126.5348985		
89.26760159	41.21182555		81.23926912	134.6148615		
70.57289875	0.928366838		0.040753182	1	KBTBD3	11
106051098		106077765	-	5516	protein_coding	
	kelch repeat and BTB domain containing 3 [Source:HGNC					
Symbol;Acc:HGNC:22934]	-	149	154	136	81	34
88	1.306060297		1.216620307	1.150961209		
0.815967395	0.378880296		0.741804447			
ENSG00000079616	689.6507025		633.4221743	808.5207851		
965.4125801	1138.173653		748.6937188	710.5312206		
950.7599839	-0.419306667		0.040760918	1	KIF22	16
29790719		29805385	+	4312	protein_coding	
	kinesin family member 22 [Source:HGNC Symbol;Acc:HGNC:6391]					
-	717	728	869	876	939	811
8.039732888	7.357177345		9.407777989	11.28853016		
13.38548773	8.745267942					
ENSG00000126500	58.67321179		24.36239132	25.12089896		
5.510345777	10.90901265		12.92442918	36.05216736		

9.781262534	1.877566771	0.040766478	1	FLRT1	11
64103188	64119173	+	3949	protein_coding	
fibronectin leucine rich transmembrane protein 1 [Source:HGNC					
Symbol;Acc:HGNC:3760]	-	61	28	27	5 9
14	0.746868113	0.308979379	0.319170443		
0.070354991	0.140088581	0.164843535			
ENSG00000261485	75.02476261	22.62222051	26.98170629		
1.102069155	16.96957523	12.00125567	41.54289647		
10.02430002	2.052628149	0.04079639	1	PAN3-AS1	
13	28136843	28138193	-	1351	
antisense PAN3 antisense RNA 1 [Source:HGNC					
Symbol;Acc:HGNC:39932]	-	78	26	29	1 14
13	2.791518242	0.838641977	1.002048367		
0.041129809	0.636971567	0.447423738			
ENSG00000071127	8093.055803	7652.40113	8255.471721		
9646.411317	8974.481071	9098.798141	8000.309552		
9239.896843	-0.207848017	0.040935726	0.249326009	WDR1	
4	10074339	10116949	-	7827	
protein_coding WD repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:12754]					
-	8414	8795	8873	8753	7404 9856
51.97666262	48.96650506	52.92016426	62.14034188		
58.14581156	58.55127804				
ENSG00000226752	509.7836434	507.2597907	430.776897		
423.1945557	298.179679	301.8777387	482.606777		
341.0839911	0.500977895	0.040974938	1	CUTALP	9
120824828	120854385	+	7224		
transcribed_unitary_pseudogene "cutA divalent cation tolerance					
homolog-like, pseudogene [Source:HGNC Symbol;Acc:HGNC:27367]" -					
530	583	463	384	246	327 3.547311679
3.516814126	2.991915265	2.953694203	2.093171101		
2.104752497					
ENSG00000119878	438.6063045	527.271755	424.2640713		
342.7435073	329.6946044	332.3424646	463.3807103		
334.9268588	0.468618874	0.04104048	1	CRIPT	2
46616416	46625742	+	2561	protein_coding	
CXXC repeat containing interactor of PDZ3 domain [Source:HGNC					
Symbol;Acc:HGNC:14312]	-	456	606	456	311 272
360	8.60907479	10.31149519	8.311918956		
6.747810135	6.528398943	6.536179047			
ENSG00000279110	41.35980503	17.40170808	22.32968796		0
10.90901265	0	27.03040036	3.636337549		
2.927197549	0.041049485	1	AL022323.4	22	
25052122	25065241	-	13120	antisense	novel
transcript	-	43	20	24	0 9 0
0.158465906	0.066428548	0.08539323	0		
0.042165382	0				
ENSG00000232871	2.885567793	3.480341617	16.74726597		0
0	0	7.704391794	0	5.287312255	
0.041059575	1	SEC1P	19	48638071	48682245
+	2634	transcribed_unitary_pseudogene "secretory			

blood group 1, pseudogene [Source:HGNC Symbol;Acc:HGNC:44149]" -

3	4	18	0	0	0	0.055068938
0.066176351		0.319008879	0	0	0	0
ENSG00000167986	7525.560804		6661.373855		7488.819101	
8274.335219	8576.908165		8318.716523		7225.251253	
8389.986636	-0.215642368		0.04109758		0.249326009	DDB1
11	61299451		61342596		-	13950
protein_coding	damage specific		DNA binding		protein 1 [Source:HGNC	
Symbol;Acc:HGNC:2717]	-		7824	7656	8049	7508 7076
9011	27.11788725		23.91587721		26.93480003	
29.90625968	31.17891348		30.03514965			
ENSG00000176454	508.8217875		488.1179118		532.1908965	
246.8634908	378.1791051		436.6610715		509.7101986	
353.9012225	0.525305084		0.041107024		1	LPCAT4 15
34358618	34367278		-		4799	protein_coding
lysophosphatidylcholine	acyltransferase 4 [Source:HGNC					
Symbol;Acc:HGNC:30059]	-		529	561	572	224 312
473	5.329741414		5.094138038		5.564053724	
2.593637711	3.996236704		4.582910848			
ENSG00000114200	13.46598303		3.480341617		14.88645864	
65.02208017	23.03013781		29.54155241		10.61092776	
39.19792346	-1.888702748		0.041155142		1	BCHE 3
165772904	165837472		-		3082	protein_coding
butyrylcholinesterase [Source:HGNC						
Symbol;Acc:HGNC:983]	-					
14	4	16	59	19	32	0.219632506
0.056556947	0.242344621		1.063730032		0.378938147	
0.48277899						
ENSG00000230836	0	25.23247672	19.53847697		2.204138311	
0	0	14.92365123	0.73471277		4.358945827	
0.041162221	1	LINC01293	2		74940258	
74942670	+	1266	lincRNA long intergenic non-			
protein coding	RNA 1293 [Source:HGNC					
Symbol;Acc:HGNC:50362]	-					
0	29	21	2	0	0	0
0.998212238	0.774339877		0.087782579		0	0
ENSG00000143158	623.2826433		1159.823844		854.1105646	
1044.761559	1213.324629		1338.601593		879.0723506	
1198.895927	-0.447432231		0.041196236		1	MPC2 1
167916729	167937040		-		2552	protein_coding
mitochondrial pyruvate carrier 2 [Source:HGNC						
Symbol;Acc:HGNC:24515]	-		648	1333	918	948 1001
1450	12.27709319		22.76187726		16.79221735	
20.64142666	24.11019748		26.41912017			
ENSG00000120802	2066.06654		2274.403247		2285.071402	
3090.201912	2574.526985		2413.175562		2208.513729	
2692.63482	-0.285708988		0.041269505		0.249326009	TMPO
12	98515512		98550379		+	8593
protein_coding	thymopoietin [Source:HGNC					
Symbol;Acc:HGNC:11875]	-					
-	2148	2614	2456	2804	2124	2614
12.08622519	13.25620981		13.34226575		18.13198041	
15.19347308	14.14463645					

ENSG0000035687	2549.880073	3079.232246	2619.086318			
2460.920424	2310.286456	1973.74497	2749.399545			
2248.317283	0.2907484	0.041282738	0.249326009	ADSS		
1	244408494	244452134	-	3666		
protein_coding	adenylosuccinate synthase [Source:HGNC					
Symbol;Acc:HGNC:292]	-	2651	3539	2815	2233	1906
2138	34.96378843	42.06749965	35.84527977			
33.8460745	31.9578678	27.1172883				
ENSG00000177030	1712.103557	1636.630645	1462.594562			
1782.045824	1941.804251	2194.38344	1603.776255			
1972.744505	-0.299093479	0.041288364	1	DEAF1	11	
644233	706715	-	4452	protein_coding	"DEAF1,	
transcription factor	[Source:HGNC Symbol;Acc:HGNC:14677]" SAND					
1780	1881	1572	1617	1602	2377	19.33152267
18.41162995	16.48327187	20.18212575	22.11845136			
24.82590243						
ENSG00000151320	126.9649829	162.7059706	88.38834819			
71.6344951	79.99942608	38.77328753	126.0197672			
63.46906957	0.994189125	0.041335709	1	AKAP6	14	
32329273	32837681	+	19748	protein_coding		
A-kinase anchoring protein 6	[Source:HGNC Symbol;Acc:HGNC:376]					
-	132	187	95	65	66	42
0.32318562	0.412645474	0.224567303	0.182895189			
0.205432039	0.098891096					
ENSG00000143248	50.97836434	70.47691774	64.1978529			
28.65379804	31.51492542	11.07808215	61.88437833			
23.74893521	1.389764475	0.041383773	1	RGS5	1	
163111121	163321791	-	6821	protein_coding		
regulator of G protein signaling 5	[Source:HGNC					
Symbol;Acc:HGNC:10001]	-	53	81	69	26	26
12	0.375689482	0.51748238	0.472222936			
0.211805553	0.2343002	0.081802055				
ENSG00000111275	0	0	0	31.51492542	0	
0	10.50497514	-5.952418974	0.041389803	1		
ALDH2	12	111766887	111817529	+	9720	
protein_coding	aldehyde dehydrogenase 2 family member					
[Source:HGNC Symbol;Acc:HGNC:404]	-	0	0	0	0	
0	26	0	0	0	0	
0.164419924	0					
ENSG00000245904	10.58041524	6.09059783	5.582421991	0		
0	0	7.417811687	0	5.232430776		
0.041463	1	AC025164.1	12	92145573		
92189660	+	7589	antisense	uncharacterized		
LOC101928617	[Source:NCBI gene;Acc:101928617] - 11 7					
6	0	0	0	0.070082462	0.040195005	
0.036907339	0	0	0			
ENSG00000285560	20.19897455	17.40170808	5.582421991			
3.306207466	0	0	14.39436821	1.102069155		
3.719861087	0.041486587	1	AC103739.3	15		
90630535	90631755	-	888	antisense	"novel	

transcript, antisense to CRT3"	-	21	20	6	3
0	0	1.143424637	0.981466832	0.315416436	
0.18772423	0	0			
ENSG00000154832	2488.321293	2235.249404	2556.749272		
2556.800441	2943.00919	3400.048047	2426.773323		
2966.619226	-0.29015653	0.041570155	0.250238705	CXXC1	
18	50282343	50288304	-	4319	
protein_coding	CXXC finger protein 1 [Source:HGNC				
Symbol;Acc:HGNC:24343]	-	2587	2569	2748	2320
3683	28.96105919	25.92026862	29.70158052		2428
29.84810917	34.55515446	39.65057895			
ENSG00000270580	48.09279655	13.05128106	35.35533928		
11.02069155	7.272675098	0	32.1664723	6.097788884	
2.413358798	0.041591544	1	PKD1P6-NPIPP1	16	
15104723	15131601	-	3043		
processed_transcript	PKD1P6-NPIPP1 readthrough [Source:NCBI				
gene;Acc:105369154]	-	50	15	38	10
0	0.794454937	0.21480674	0.582945132		6
0.182603918	0.121198336	0			
ENSG00000178896	1688.057159	1891.565669	2109.225109		
1763.310649	2441.194608	3280.958664	1896.282646		
2495.15464	-0.396340605	0.041630038	1	EXOSC4	8
144078626	144080647	+	1407	protein_coding	
exosome component 4 [Source:HGNC	Symbol;Acc:HGNC:18189]	-			
1755	2174	2267	1600	2014	3554
67.33239152	75.21482658	63.18848296	87.98582873		
117.4503578					
ENSG00000131737	0	3.480341617	1.86080733	8.816553243	
1.212112516	45.23550212	1.780382982	18.42138929		
-3.365683915	0.041687489	1	KRT34	17	
41377650	41382403	-	1751	protein_coding	
keratin 34 [Source:HGNC	Symbol;Acc:HGNC:6452]	-	0	4	
2	8	1	49	0	0.099547978
0.053319969	0.253872631	0.035104372	1.301190704		
ENSG00000166592	16.35155083	25.23247672	28.84251362		
102.4924315	38.78760052	46.15867564	23.47551372		
62.4795692	-1.411295801	0.041731176	1	RRAD	16
66921679	66925644	-	1709	protein_coding	
"RRAD, Ras related glycolysis inhibitor and calcium channel	regulator [Source:HGNC	Symbol;Acc:HGNC:10446]"	-	17	29
31	93	32	50	0.480959021	0.739459739
0.846770397	3.023799072	1.150946869	1.360375995		
ENSG00000228634	39.43609317	0	14.88645864	3.306207466	
0	0	18.10751727	1.102069155	4.047854792	
0.041736817	1	AL136115.1	1	31933020	
31933975	+	517	lincRNA novel transcript		
-	41	0	16	3	0
3.834374521	0	1.44469269	0.322435429	0	0
ENSG00000104419	36200.40982	48558.59633	49890.10533		
27459.15508	43015.44898	37405.14439	44883.03716		

35959.91615	0.319797919	0.04174234	0.250454041	NDRG1
8	133237171	133302022	- 9823	
protein_coding	N-myc downstream regulated 1 [Source:HGNC			
Symbol;Acc:HGNC:7679]	-	37636 55809	53622 24916	35488
40518	185.2509878	247.5817877	254.8266824	
140.9438796	222.0673656	191.793937		
ENSG00000102034	1141.72299	1185.926406	1237.436875	
1376.484375	1764.835824	1344.140635	1188.36209	
1495.153611	-0.330653495	0.041780654	1	ELF4 X
130064874	130110716	-	4316	protein_coding
E74 like ETS transcription factor 4 [Source:HGNC				
Symbol;Acc:HGNC:3319]	ETS	1187 1363	1330 1249	1456
1456	13.29751532	13.76172951	14.38521114	
16.08025924	20.73611053	15.68595472		
ENSG00000222365	7.694847448	0 19.53847697	0 0	
0	9.077774806	0 5.523503018	0.041790819	
1	SNORD12B	20 49280319	49280409	
+	91	snoRNA	"small nucleolar RNA, C/D box 12B	
[Source:HGNC Symbol;Acc:HGNC:33573]"	-	8	0	21
0	0	4.250595823	0	10.77268444
0	0	0		
ENSG00000248916	24.04639827	0 3.721614661	0 0	
0	9.256004311	0 5.550925854	0.041871969	
1	NUP210P3	3 129323046	129325426	
-	388	unprocessed_pseudogene	nucleoporin 210	
pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:42712]	-			25
0	4	0 0	0 0	3.115369039 0
0.481253944	0	0	0	
ENSG00000080947	92.33816937	78.30768638	60.47623824	
13.22482987	59.3935133	7.385388102	77.040698	
26.66791042	1.541683391	0.041878069	1	CROCCP3 1
16467436	16499257	-	6813	
transcribed_unprocessed_pseudogene "ciliary rootlet coiled-coil,				
rootletin pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:29405]" -				
96	90	65 12	49 8	0.68129321
0.575655579	0.445370045	0.097871197	0.442084259	
0.054598739				
ENSG00000116688	4132.133079	4095.491998	3856.523192	
4409.378691	4801.177677	4959.28811	4028.049423	
4723.281493	-0.229784846	0.041950676	0.250533572	MFN2
1	11980181	12013514	+	4973
protein_coding	mitofusin 2 [Source:HGNC Symbol;Acc:HGNC:16877] -			
4296	4707	4145 4001	3961 5372	41.76832216
41.24623737	38.90918298	44.70562139	48.95913581	
50.22830964				
ENSG00000136982	789.6837193	689.9777256	734.0884918	
1228.807108	924.8418499	788.3901799	737.9166456	
980.6797127	-0.409973168	0.041975017	1	DSCC1 8
119833976	119856010	-	2603	protein_coding
DNA replication and sister chromatid cohesion 1 [Source:HGNC				

Symbol;Acc:HGNC:24453]	-	821	793	789	1115	763
854	15.25001271	13.27570572		14.14975339		
23.8019612	18.01763273	15.25508812				
ENSG00000229539	22.12268641	8.700854042		13.02565131		0
3.636337549	0	14.61639726		1.212112516		
3.651908859	0.042005249	1	AL353194.1	20		
3888239	3888868	-	441	antisense	novel transcript	
-	23	10	14	0	3	0
2.52168284	0.988143477	1.481956589		0	0.418148001	
0						
ENSG00000126107	1195.586922	1274.675117		1183.473462		
1937.437575	1530.898108	1237.052507		1217.911834		
1568.46273	-0.364415263	0.04201397		1	HECTD3	1
45002540	45011329	-		5077	protein_coding	
HECT domain E3 ubiquitin protein ligase 3 [Source:HGNC						
Symbol;Acc:HGNC:26117]	-	1243	1465	1272	1758	1263
1340	11.83764146	12.57445176		11.69569364		
19.24082772	15.29126967	12.27237601				
ENSG00000154277	5955.811924	4659.30734		6018.78131		
6302.7335	6462.983937	7203.52292		5544.633525		
6656.413452	-0.263845247	0.042028508		0.250533572		UCHL1
4	41256413	41268455		+	2282	
protein_coding ubiquitin C-terminal hydrolase L1 [Source:HGNC						
Symbol;Acc:HGNC:12513]	-	6192	5355	6469	5719	5332
7803	131.1947705	102.2592099		132.3328138		
139.2568285	143.6222946	158.9926269				
ENSG00000144426	336.6495758	219.2615219		201.8975953		
191.760033	133.3323768	142.168721		252.6028977		
155.7537103	0.697185713	0.042060941		1	NBEAL1	2
203014879	203226378	+		16376	protein_coding	
neurobeachin like 1 [Source:HGNC Symbol;Acc:HGNC:20681]						
350	252	217	174	110	154	1.033383282
0.6705811	0.618582942	0.59040967		0.412887957		
0.437264187						
ENSG00000269881	21.16083048	6.09059783		0	0	0
0	9.083809437	0	5.524391366	0.042094953		
1	AC004754.1	16	249547	269943	+	2242
protein_coding family with sequence similarity 234 member A						
[Source:NCBI gene;Acc:83986]	-	22	7	0	0	
0	0	0.474447638	0.136057043	0	0	
0	0					
ENSG00000134318	1681.324167	1658.38278		1715.664359		
1570.448546	1333.323768	1143.811982		1685.123769		
1349.194766	0.321253963	0.042288147		1	ROCK2	2
11179761	11348330	-		10145	protein_coding	
Rho associated coiled-coil containing protein kinase 2						
[Source:HGNC Symbol;Acc:HGNC:10252]	-			1748	1906	1844
1425	1100	1239	8.330874525	8.187087702		
8.485059678	7.805035031	6.66481339		5.678717615		
ENSG00000163961	1082.087922	908.369162		912.7259956		

856.3077338	671.510334	714.5362989	967.7276933			
747.4514555	0.37238469	0.042289525	1	RNF168	3	
196468783	196503768	-	5347	protein_coding		
	ring finger protein 168	[Source:HGNC	Symbol;Acc:HGNC:26661]			
-	1125	1044	981	777	554	774
10.17287141	8.508419854	8.564556113	8.074634599			
6.368643528	6.730724193					
ENSG00000221230	33.66495758	0	0	0	0	0
11.22165253	0	5.828982673	0.042291615			1
MIR548L	11	94466495	94466580	-		86
miRNA	microRNA 548l	[Source:HGNC	Symbol;Acc:HGNC:35292]			
-	35	0	0	0	0	
19.67754026	0	0	0	0		
ENSG00000202399	33.66495758	0	0	0	0	0
11.22165253	0	5.828982673	0.042291615			1
RF00019	8	97772313	97772425	+		113
misc_RNA		-	35	0	0	0
0	0	14.9758271	0	0	0	0
0						
ENSG00000214097	33.66495758	0	0	0	0	0
11.22165253	0	5.828982673	0.042291615			1
SMC01	3	196506877	196515366	-		1868
protein_coding	single-pass membrane protein with coiled-coil					
domains 1	[Source:HGNC	Symbol;Acc:HGNC:27407]	-	35		0
0	0	0	0	0.905925301	0	0
0	0	0				
ENSG00000210154	12.5041271	12.18119566	18.6080733			0
3.636337549	0	14.43113202	1.212112516			
3.634484259	0.042307504	1	MT-TD	MT	7518	7585
+	68	Mt_tRNA	mitochondrially	encoded tRNA	aspartic	
acid	[Source:HGNC	Symbol;Acc:HGNC:7478]	-	13	14	20
0	3	0	9.243483197	8.971761514		
13.72989193	0	2.711812774	0			
ENSG00000164749	8.656703379	6.960683234	31.63372462			
77.14484088	18.18168774	64.62214589	15.75037041			
53.31622484	-1.762152732	0.04246823	1	HNF4G	8	
75407914	75566843	+	4806	protein_coding		
hepatocyte nuclear factor 4 gamma	[Source:HGNC					
Symbol;Acc:HGNC:5026]	RXR-like	9	8	34		70
15	70	0.090544059	0.072537873	0.330248753		
0.809331264	0.19184693	0.677244196				
ENSG00000143512	14.42783896	4.350427021	3.721614661			0
0	0	7.499960215	0	5.247832544		
0.042472324	1	HHIPL2	1	222522258	222548103	
-	3289	protein_coding	HHIP	like 2	[Source:HGNC	
Symbol;Acc:HGNC:25842]	-	15	5	4	0	0
0	0.220510159	0.066246773	0.056773041			0
0	0					
ENSG00000259039	14.42783896	4.350427021	3.721614661			0
0	0	7.499960215	0	5.247832544		

0.042472324	1	AL161804.1	14	57578409			
57600404	+	1430	antisense	"novel transcript,			
antisense to SLC35F4"	-	15	5	4	0	0	
0	0.507173365	0.152367578		0.130577993	0		
0	0						
ENSG00000141741	204.8753133	354.1247595		340.5277415			
308.5793635	597.5714705	480.0502266		299.8426048			
462.0670202	-0.6230212	0.042577979		1	MIEN1	17	
39728496	39730787	-		2292	protein_coding		
migration and invasion enhancer 1 [Source:HGNC							
Symbol;Acc:HGNC:28230]	-	213	407	366	280	493	
520	4.493308183	7.738172266		7.454396822			
6.788213009	13.22146763	10.5492054					
ENSG00000100991	2933.660589	2812.116027		2718.63951			
2905.054294	3581.792486	3729.620991		2821.472042			
3405.489257	-0.271557812	0.042594663		0.251427816			
TRPC4AP 20	35002404	35092871		-	3226		
protein_coding	transient receptor potential cation channel subfamily						
C member 4 associated protein [Source:HGNC	Symbol;Acc:HGNC:16181]						
-	3050	3232	2922	2636	2955	4040	
45.71268098	43.65817595	42.28261944		45.40389248			
56.30415984	58.23016493						
ENSG00000132507	8418.163108	8701.724128		8818.365939			
9510.856811	9452.053402	11453.81377		8646.084391			
10138.908	-0.22993316	0.042627239		0.251427816		EIF5A	
17	7306999	7312463	+	2815	protein_coding		
eukaryotic translation initiation factor 5A [Source:HGNC							
Symbol;Acc:HGNC:3300]	-	8752	10001	9478	8630	7798	
12407	150.324624	154.8187747		157.1753156			
170.3509031	170.2755108	204.9365407					
ENSG00000230683	0	0	0.930403665	0	0		
37.85011402	0.310134555	12.61670467		-5.26299291			
0.042631691	1	DDTP1	3	38515448	38515830		
-	383	processed_pseudogene		D-dopachrome			
tautomerase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:44546]							
0	0	1	0	0	41	0	0
0.121884158	0	0	4.977555382				
ENSG00000198625	1421.623066	1274.675117		1277.444232			
1066.802942	1123.628303	1021.953079		1324.580805			
1070.794775	0.307118268	0.042669569		1	MDM4	1	
204516379	204558120	+		11008	protein_coding		
"MDM4, p53 regulator [Source:HGNC Symbol;Acc:HGNC:6974]"							
-	1478	1465	1373	968	927	1107	
6.491831362	5.799463261	5.822481968		4.88628709			
5.176290881	4.675953871						
ENSG00000231210	0	14.79145187	35.35533928	0	0		
2.769520538	16.71559705	0.923173513		4.112471786			
0.042752234	1	LINC01510	7	116563594			
116663829	-	1691	lincRNA	long intergenic non-			
protein coding RNA 1510 [Source:HGNC Symbol;Acc:HGNC:51196]							

0	17	38	0	0	3	0	
0.438090577	1.049025451		0	0	0.082491398		
ENSG00000159377	5785.563425		6427.320881		5855.960669		
6619.027347	7094.494558		7339.229426		6022.948325		
7017.583777	-0.220511385		0.042791319		0.251427816		PSMB4
1	151399534		151401944		+	2158	
protein_coding	proteasome subunit beta 4 [Source:HGNC						
Symbol;Acc:HGNC:9541]	-		6015	7387	6294	6006	5853
7950	134.7675732		149.167859		136.1511563		
154.6485781	166.7149106		171.2957968				
ENSG00000128165	171.2103557		167.0563976		124.6740911		
110.2069155	84.84787614		65.5453194		154.3136148		
86.8667037	0.830898829		0.042795312		1	ADM2	22
50481556	50486440		+		4276	protein_coding	
adrenomedullin 2 [Source:HGNC	Symbol;Acc:HGNC:28898]					-	
178	192	134	100	70	71	2.012720742	
1.956690471	1.46289494		1.299494205		1.006254194		
0.772061098							
ENSG00000175741	159.6680845		97.44956528		99.55319218		
217.1076236	232.7256031		155.0931501		118.8902807		
201.6421256	-0.761631923		0.042796304		1	RWDD4P2	7
39854494	39855056		-		563		
processed_pseudogene	RWD domain containing 4					pseudogene 2	
[Source:HGNC	Symbol;Acc:HGNC:23754]					166	112
197	192	168	14.2561058		8.668984482		107
8.871997661	19.44329542		20.96236091		13.87496528		
ENSG00000110955	8482.607455		9197.672808		9180.292964		
10066.29967	10873.86138		10070.89985		8953.524409		
10337.0203	-0.207205717		0.042808673		0.251427816		
ATP5F1B 12	56638175		56646068		-	2322	
protein_coding	ATP synthase F1 subunit beta [Source:HGNC						
Symbol;Acc:HGNC:830]	-		8819	10571	9867	9134	8971
10909	183.6362196		198.3866551		198.3667823		
218.5802083	237.479432		218.4508528				
ENSG00000111186	2265.170717		2317.907517		2559.540483		
2988.811549	2721.192599		2805.524305		2380.872906		
2838.509485	-0.253680862		0.042863239		0.251427816		WNT5B
12	1529891	1647243	+	4305	protein_coding		Wnt
family member 5B [Source:HGNC	Symbol;Acc:HGNC:16265]					-	2355
2664	2751	2712	2245	3039	26.44959169		
26.96619449	29.83070178		35.00487838		32.05461387		
32.82377768							
ENSG00000227615	66.36805924		82.6581134		62.33704557		
120.1255379	95.75688879		180.9420085		70.45440607		
132.2748117	-0.910650229		0.042892223		1	AP001324.1	
11	74745716		74746114		-	399	
processed_pseudogene	ribosomal protein S12 (RPS12)					pseudogene	
-	69	95	67	109	79	196	
8.361369416	10.37550651		7.838770379		15.17978589		
12.17030762	22.84095161						

ENSG00000114346	1026.300278	1239.001616	1180.682251			
2014.582416	1364.838693	1182.58527	1148.661382			
1520.668793	-0.404318964	0.042912839	1	ECT2	3	
172750682	172821474	+	5499	protein_coding		
epithelial cell transforming 2 [Source:HGNC						
Symbol;Acc:HGNC:3155]	-	1067	1424	1269	1828	1126
1281	9.381708099	11.28456617	10.77268444			
18.4716	12.58641453	10.83169514				
ENSG00000198938	51884.43263	47980.85962	64653.75069			
51726.71788	73805.53112	77844.76011	54839.68098			
67792.33637	-0.305912525	0.043007782	0.251472252			MT-C03
MT	9207	9990	+	784	protein_coding	
mitochondrially encoded cytochrome c oxidase III [Source:HGNC						
Symbol;Acc:HGNC:7422]	-	53942	55145	69490	46936	60890
84323	3326.688972	3065.128428	4137.636028			
3326.611283	4773.943465	5001.04779				
ENSG00000177182	15.3896949	11.31111026	0	0	0	
0	8.900268383	0	5.495608779	0.043090707		
1	CLVS1	8	61057158	61501645		+
7393	protein_coding	clavesin 1 [Source:HGNC				
Symbol;Acc:HGNC:23139]	-	16	13	0	0	0
0	0.104640665	0.076626898	0	0	0	
0						
ENSG00000280042	11.54227117	6.960683234	8.373632987			
1.102069155	0	0	8.958862464	0.367356385		
4.542930785	0.043098808	1	AC022336.3	3		
124791119	124793104	-	1986	TEC	TEC	-
12	8	9	1	0	0	0.292148202
0.17553727	0.211548184	0.027979039	0	0		
ENSG00000204394	7107.153474	5156.996191	6598.422794			
6412.940415	7854.489106	9024.94426	6287.524153			
7764.124594	-0.304506539	0.043254333	0.251521614			VARs
6	31777518	31795953	-	6081		
protein_coding valyl-tRNA synthetase [Source:HGNC						
Symbol;Acc:HGNC:12651]	-	7389	5927	7092	5819	6480
9776	58.75054229	42.4735461	54.44271305			
53.17229401	65.50091437	74.75103454				
ENSG00000111247	165.4392201	304.5298915	240.0441456			
465.0731836	355.1489673	282.4910949	236.6710857			
367.5710819	-0.633672224	0.043265335	1	RAD51AP1		
12	4538798	4560048	+	2558	protein_coding	RAD51
associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16956]						
172	350	258	422	293	306	3.251090981
5.962468559	4.708311649	9.166930832	7.040677315			
5.562267928						
ENSG00000143786	2395.021268	2406.656228	2107.364302			
1571.550616	1961.198051	2071.601363	2303.013933			
1868.116677	0.30173277	0.043347428	1	CNIH3	1	
224434660	224740549	+	6386	protein_coding		
cornichon family AMPA receptor auxiliary protein 3						

[Source:HGNC Symbol;Acc:HGNC:26802]	-	2490	2766	2265
1426	1618	2244	18.8526172	18.87477831
16.55714027	12.40802486	15.57388499	16.33898058	
ENSG00000214842	14.42783896	5.220512425	2.791210996	0
0	0	7.479854128	0	5.244079412
0.043351451	1	RAD51AP2	2	17510584
17518439	-	3724	protein_coding	RAD51 associated
protein 2 [Source:HGNC Symbol;Acc:HGNC:34417]	-	15	6	
3	0	0	0	0.194752393
0.037606041	0	0	0	0.070210194
ENSG00000061987	1294.658083	1003.208471	1082.059463	
898.1863617	967.265788	764.3876685	1126.642006	
876.6132727	0.362611564	0.043415963	1	MON2 12
62466817	62600479	+	16017	protein_coding
"MON2 homolog, regulator of endosome-to-Golgi trafficking				
[Source:HGNC Symbol;Acc:HGNC:29177]"	-	1346	1153	1163
815	798	828	4.063171006	3.136943737
3.389569748	2.827407963	3.062450488	2.403699534	
ENSG00000186416	1245.603431	1185.926406	1121.136417	
1409.54645	1301.808843	1759.568715	1184.222084	
1490.308003	-0.332468491	0.043435948	1	NKRF X
119588337	119606443	-	4552	protein_coding
NFKB repressing factor [Source:HGNC Symbol;Acc:HGNC:19374]				
Others	1295	1363	1205	1279
13.75525771	13.04824793	12.35750598	1074	1906
14.50271753	19.46935935		15.6127834	
ENSG00000034152	1923.711862	1513.078518	2144.580448	
1998.051379	2263.014068	2858.145195	1860.456943	
2373.070214	-0.351631047	0.043478599	1	MAP2K3 17
21284672	21315240	+	3783	protein_coding
mitogen-activated protein kinase kinase 3 [Source:HGNC				
Symbol;Acc:HGNC:6843]	-	2000	1739	2305
3096	25.56200237	20.03188593	28.44334207	1813
26.63014348	30.33579193	38.05358949		1867
ENSG00000227279	4.809279655	8.700854042	8.373632987	0
0	0	7.294588895	0	5.209056254
0.043571531	1	AC110015.1	18	27954519
27963687	+	440	antisense	"novel transcript,
antisense to CDH2"	-	5	10	9
0	0.549437812	0.990389258	0.954851575	0
0	0			
ENSG00000280417	5.771135586	15.66153728	0	41.87862791
32.72703794	29.54155241	7.144224287	34.71573942	
-2.274975303	0.043580904	1	AC096887.2	3
53046166	53048122	+	1957	TEC
-	6	18	0	38
0.148238715	0.400811595	0	1.078958684	0.848047735
0.760309069				
ENSG00000137409	6152.030534	6597.85762	6100.656833	
6519.841123	7848.428543	7812.817438	6283.514996	

7393.695702	-0.234717783	0.043586755	0.251521614	MTCH1
6	36968141	36986298	- 3126	
protein_coding	mitochondrial carrier 1 [Source:HGNC			
Symbol;Acc:HGNC:17586]	-	6396 7583	6557 5916	6475
8463	98.92833456	105.7086874	97.91793495	
105.1601593	127.3204483	125.8827974		
ENSG00000158483	308.7557538	416.7709086	435.4289153	
430.9090398	580.6018953	625.9116416	386.9851926	
545.8075256	-0.496196781	0.043626717	1	FAM86C1 11
71787510	71801236	+	2972	protein_coding
family with sequence similarity 86 member C1 [Source:HGNC				
Symbol;Acc:HGNC:25561]	-	321 479	468 391	479
678	5.222247418	7.023366084	7.350943484	
7.310380731	9.906815353	10.60747231		
ENSG00000149269	1644.773642	1848.931484	1706.360322	
2205.24038	2309.074344	1848.193372	1733.355149	
2120.836032	-0.290462833	0.043669068	1	PAK1 11
77321707	77474635	-	6299	protein_coding
p21 (RAC1) activated kinase 1 [Source:HGNC				
Symbol;Acc:HGNC:8590]	-	1710 2125	1834 2001	1905
2002	13.12579807	14.70096771	13.59169933	
17.65174008	18.5896294	14.77826612		
ENSG00000076248	1490.876693	1376.47511	1662.63135	
1760.004441	1693.321185	2186.998052	1509.994384	
1880.107893	-0.316939019	0.043670759	1	UNG 12
109097574	109110992	+	2567	protein_coding
uracil DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:12572]				
-	1550 1582	1787 1597	1397 2369	
29.19490363	26.8558689	32.49710844	34.56934024	
33.45167723	42.91115559			
ENSG00000178031	1407.195227	1232.911018	1322.103608	
1081.129841	1092.113377	1036.723855	1320.736618	
1069.989024	0.303824136	0.043707799	1	ADAMTSL1
9	17906563	18910950	+	13652
protein_coding	ADAMTS like 1 [Source:HGNC Symbol;Acc:HGNC:14632]			
-	1463 1417	1421 981	901 1123	
5.181425558	4.52305812	4.858965709	3.99286633	
4.056727831	3.824850764			
ENSG00000159335	2861.521395	2680.73313	3596.94057	
3545.356473	3903.002303	3652.99759	3046.398365	
3700.452122	-0.280580053	0.043726992	0.251521614	PTMS
12	6765516 6770952	+	1475	protein_coding
parathyrosin [Source:HGNC Symbol;Acc:HGNC:9629]				
-	3866 3217 3220	3957 97.52055545	91.02449449	3081
122.3533501	121.1911996	134.1872373	124.7398013	
ENSG00000260877	77.91033041	26.10256213	79.08431154	
22.04138311	0	25.84885836	61.03240136	15.96341382
1.924621519	0.043749899	1	AP005233.2	11
69371463	69372512	+	372	lincRNA novel
transcript	-	81 30	85 20	0 28

	10.52793744	3.514284464	10.66650206	2.987439366	
	0	3.499823231			
ENSG00000148303	15260.8062	17689.70635	19104.90886		
19107.67502	21620.45095	20302.43189	17351.80714		
20343.51929	-0.229450317	0.043809289	0.251521614	RPL7A	
9	133348214	133351426	+	2242	
protein_coding	ribosomal protein L7a [Source:HGNC				
Symbol;Acc:HGNC:10364]	-	15866	20331	20534	17338
21992	342.1630103	395.1679644	427.5471199		17837
429.7099738	489.0278179	456.1000677			
ENSG00000115234	2235.353184	2283.104101	2185.51821		
2314.345226	2887.252014	2919.997821	2234.658498		
2707.198354	-0.276814992	0.043828661	0.251521614	SNX17	
2	27370496	27377533	+	3765	
protein_coding	sorting nexin 17 [Source:HGNC Symbol;Acc:HGNC:14979]				
-	2324	2624	2349	2100	2382
29.84505336	30.37088504	29.12487513	30.99319565		
38.8887637	39.06296725				
ENSG00000167770	3351.106063	2872.151919	3063.819269		
3157.42813	4032.698342	4077.657406	3095.692417		
3755.927959	-0.279053007	0.04383819	0.251521614	OTUB1	
11	63985853	64001811	+	5336	
protein_coding	"OTU deubiquitinase, ubiquitin aldehyde binding 1				
[Source:HGNC Symbol;Acc:HGNC:23077]"	-		3484	3301	3293
2865	3327	4417	31.56919749	26.95803924	
28.80858621	29.83464325	38.32519208	38.48952899		
ENSG00000080603	387.6279402	356.7350157	326.5716865		
250.1696983	161.2109647	296.3386976	356.9782141		
235.9064535	0.594989114	0.04385818	1	SRCAP	16
30698209	30741409	+	13674	protein_coding	
Snf2 related CREBBP activator protein	[Source:HGNC				
Symbol;Acc:HGNC:16974]	-	403	410	351	227
321	1.424986294	1.306612711	1.198277975		133
0.922448917	0.597865407	1.09154206			
ENSG00000149346	329.9165843	323.6717704	240.9745493		
214.9034853	192.7258901	191.0969171	298.1876347		
199.5754308	0.579493339	0.043877181	1	SLX4IP	20
10435303	10636829	+	6492	protein_coding	
SLX4 interacting protein	[Source:HGNC Symbol;Acc:HGNC:16225]				
-	343	372	259	195	159
2.554564222	2.497025782	1.862375667	1.669045376		
1.505448743	1.482596097				
ENSG00000284770	232.7691353	173.1469954	194.454366		
112.4110539	130.9081518	129.2442918	200.1234989		
124.1878325	0.687909198	0.043877676	1	TBCE	1
235367360	235452443	+	12444	protein_coding	
tubulin folding cofactor E	[Source:HGNC Symbol;Acc:HGNC:11582]				
-	242	199	209	102	108
0.940278661	0.696869844	0.784029348	0.455462067		
0.533471365	0.523117262				

ENSG00000115350	453.9959994	328.8922828	416.820842		
435.3173164	593.935133	656.3763676	399.9030414		
561.8762723	-0.491502129	0.043903237	1	POLE4	2
74958492	74970128	+	2151	protein_coding	
"DNA polymerase epsilon 4, accessory subunit [Source:HGNC					
Symbol;Acc:HGNC:18755]"	-	472	378	448	395 490
711	10.60969269	7.657905225	9.722627329		
10.20395956	14.00241773	15.3695166			
ENSG00000163661	1639.002506	1924.628914	1331.407645		
709.7325361	1472.716707	1349.679676	1631.679688		
1177.376306	0.470875339	0.044071958	1	PTX3	3
157436789	157443628	+	1940	protein_coding	
pentraxin 3 [Source:HGNC Symbol;Acc:HGNC:9692] - 1704					
2212	1431	644	1215	1462	42.46871075
49.68691016	34.43371968	18.44574417	38.49655866		
35.04101366					
ENSG00000058673	16.35155083	0	10.23444032	0	0
0	8.861997048	0	5.488401137	0.044090371	
1	ZC3H11A 1	203795654	203854999	+	
12798	protein_coding	zinc finger CCCH-type containing 11A			
[Source:HGNC Symbol;Acc:HGNC:29093] - 17 0 11					
0	0	0	0.06422558	0	0.040123297
0	0	0			
ENSG00000278931	17.31340676	0	9.304036652	0	0
0	8.872481136	0	5.490068199	0.044122592	
1	CR381670.1	21	8857260	8880976	+ 1693
unprocessed_pseudogene "ankyrin repeat domain 20 family,					
member A3 (ANKRD20A3) pseudogene"	-	18	0	10	
0	0	0	0.514063494	0	0.275733211
0	0	0			
ENSG00000006062	661.7568805	403.7196276	490.3227316		
393.4386885	336.9672795	367.4230581	518.5997465		
365.9430087	0.502270228	0.044189822	1	MAP3K14	17
45263119	45317145	-	5784	protein_coding	
mitogen-activated protein kinase kinase kinase 14 [Source:HGNC					
Symbol;Acc:HGNC:6853]	-	688	464	527	357 278
398	5.751238402	3.495813813	4.253323022		
3.429667164	2.95436311	3.199527195			
ENSG00000260923	0	0	9.918622399	1.212112516	
10.15490864	0	7.095214518	-5.3924831		
0.044199214	1	LINC02193	16	90173217	
90222678	+	3723	lincRNA long intergenic non-protein		
coding RNA 2193 [Source:HGNC Symbol;Acc:HGNC:53055] - 0					
0	0	9	1	11	0 0
0.134326444	0.016510276	0.137382263			
ENSG00000241288	105.8041524	92.22905285	59.54583457		
20.93931395	47.27238814	46.15867564	85.85967994		
38.12345924	1.170622688	0.044200087	1	AC092902.2	
3	125827238	125916384	-	6732	
processed_transcript uncharacterized LOC101927056 [Source:NCBI					

gene;Acc:101927056]	-	110	106	64	19	39
50	0.790041299	0.686152035	0.443794487			
0.156827254	0.356096627	0.345347976				
ENSG00000182450	18.27526269	0	8.373632987	0	0	
0	8.882965225	0	5.491734267	0.044213307		
1	KCNK4	11	64291302	64300031		+
2632	protein_coding		potassium two pore domain channel			
subfamily K member 4 [Source:HGNC Symbol;Acc:HGNC:6279]	-					19
0	9	0	0	0	0.349034963	0
0.159625643	0	0	0			
ENSG00000179271	3301.089555	3084.452758	3428.537506			
3269.839184	4117.546218	4567.862541	3271.35994			
3985.082648	-0.284945711	0.044217957	0.25225284			
GADD45GIP1	19	12953119	12957236	-		1782
protein_coding	GADD45G	interacting protein 1 [Source:HGNC				
Symbol;Acc:HGNC:29996]	-	3432	3545	3685	2967	3397
4948	93.11953443	86.68962765	96.53300559			
92.51707426	117.1750661	129.1079571				
ENSG00000226952	5.771135586	10.44102485	5.582421991			0
0	0	7.264860809	0	5.203343008		
0.044277616	1	AC093019.1	1	100099239		
100099490	+	252	processed_pseudogene	novel		
pseudogene	-	6	12	6	0	0
1.151203036	2.075101303	1.111467442	0	0		0
0						
ENSG00000077549	3646.395834	4001.522774	3791.394936			
4229.741419	4535.725036	4626.022472	3813.104515			
4463.829642	-0.227311929	0.044341601	0.25225284			CAPZB
1	19338776	19485539	-	3238		
protein_coding	capping actin protein of muscle	Z-line subunit beta				
[Source:HGNC Symbol;Acc:HGNC:1491]	-	3791	4599	4075		
3838	3742	5011	56.608045	61.8935172		
58.74850298	65.86279695	71.03531309	71.95791589			
ENSG00000184900	3450.177224	3607.374086	3768.134844			
4449.05318	4227.848457	4017.651127	3608.562051			
4231.517588	-0.229623382	0.044377815	0.25225284			SUM03
21	44805617	44818779	-	2732		
protein_coding	small ubiquitin-like modifier 3 [Source:HGNC					
Symbol;Acc:HGNC:11124]	-	3587	4146	4050	4037	3488
4352	63.48218965	66.13132138	69.20227374			
82.1088743	78.47713532	74.06946535				
ENSG00000147127	59.63506772	114.8512734	91.17955919			
22.04138311	69.09041343	11.07808215	88.55530009			
34.06995956	1.387940724	0.044379543	1	RAB41	X	
70282093	70285002	+	1344	protein_coding		
"RAB41, member RAS oncogene family [Source:HGNC						
Symbol;Acc:HGNC:18293]"	-	62	132	98	20	57
12	2.230455881	4.279896437	3.40386904			
0.826880539	2.606891447	0.415157603				
ENSG00000134330	461.6908469	513.3503885	485.6707132			

366.9890288	402.4213554	283.4142684	486.9039829			
350.9415509	0.474236836	0.044538372	1	IAH1	2	
9473658	9496543	+	5908	protein_coding	isoamyl	
acetate hydrolyzing esterase 1 (putative) [Source:HGNC						
Symbol;Acc:HGNC:27696]	-	480	590	522	333	332
307	3.928275761	4.351811973	4.124545057			
3.131956998	3.454179937	2.416177896				
ENSG00000184752	271.2433725	371.5264676	481.9490986			
535.6056095	585.4503454	485.5892677	374.9063129			
535.5484075	-0.513750556	0.044543306	1	NDUFA12	12	
94897055	95003770	-	1815	protein_coding		
NADH:ubiquinone oxidoreductase subunit A12 [Source:HGNC						
Symbol;Acc:HGNC:23987]	-	282	427	518	486	483
526	7.512313362	10.25202941	13.32291221			
14.87892942	16.35753513	13.47535245				
ENSG00000185787	3808.949487	3778.780911	4090.054512			
4420.399382	4614.51235	4577.094276	3892.59497			
4537.335336	-0.221125012	0.044588407	0.252667638			
MORF4L1 15	78810487	78898133	+	6584		
protein_coding mortality factor 4 like 1 [Source:HGNC						
Symbol;Acc:HGNC:16989]	-	3960	4343	4396	4011	3807
4958	29.08081544	28.74475457	31.16835612			
33.8512635	35.54188152	35.01448301				
ENSG00000127980	510.7454993	403.7196276	391.699943			
347.151784	279.9979913	300.0313916	435.3883566			
309.060389	0.493987512	0.04477734	1	PEX1	7	
92487020	92528531	-	7849	protein_coding		
peroxisomal biogenesis factor 1 [Source:HGNC						
Symbol;Acc:HGNC:8850]	-	531	464	421	315	231
325	3.27100651	2.576097222	2.50388168			
2.230017486	1.809026843	1.925307267				
ENSG00000077152	454.9578553	558.5948295	540.5645295			
665.6497699	726.0553973	653.606847	518.0390714			
681.7706714	-0.395576116	0.044806111	1	UBE2T	1	
202331657	202341980	-	1652	protein_coding		
ubiquitin conjugating enzyme E2 T [Source:HGNC						
Symbol;Acc:HGNC:25009]	-	473	642	581	604	599
708	13.8437043	16.9349369	16.41769281			
20.31603439	22.28764284	19.92756493				
ENSG00000100418	1587.062286	1317.309302	1331.407645			
1291.62505	1865.441163	2476.874535	1411.926411			
1877.980249	-0.412093949	0.044873736	1	DESI1	22	
41598028	41621096	-	4972	protein_coding		
desumoylating isopeptidase 1 [Source:HGNC						
Symbol;Acc:HGNC:24577]	-	1650	1514	1431	1172	1539
2683	16.04552904	13.26946316	13.43552216			
13.09810704	19.02632277	25.09115024				
ENSG00000168135	10.58041524	0	15.81686231	0	0	
0	8.799092516	0	5.478371305	0.044925765		
1	KCNJ4 22	38426327	38455199			-

2065	protein_coding	potassium voltage-gated channel				
subfamily J member 4	[Source:HGNC Symbol;Acc:HGNC:6265]	-				11
0	17	0	0	0	0.257557289	0
0.384303997	0	0	0			
ENSG00000198040	1386.996252	1267.714434	1285.817865			
1243.134007	796.3579232	1007.182302	1313.509517			
1015.558078	0.370673728	0.044927743	1	ZNF84		12
133037292	133063304	+	9520	protein_coding		
zinc finger protein 84	[Source:HGNC Symbol;Acc:HGNC:13159]					
zf-C2H2	1442	1457	1382	1128	657	1091
7.323682841	6.669314554	6.776682373	6.58391469			
4.242049983	5.328669936					
ENSG00000148200	165.4392201	97.44956528	145.1429718			
46.28690453	94.54477627	73.85388102	136.0105857			
71.56185394	0.927126521	0.044928542	1	NR6A1		9
124517275	124771310	-	7124	protein_coding		
nuclear receptor subfamily 6 group A member 1	[Source:HGNC					
Symbol;Acc:HGNC:7985]	GCNF-like	172	112	156		42
78	80	1.167362539	0.685098016	1.02222553		
0.32759512	0.67300463	0.522152179				
ENSG00000267169	104.8422965	110.5008463	120.9524765			
55.10345777	20.60591278	80.31609561	112.0985398			
52.00848872	1.101241649	0.045058556	1	AC022098.1		
19	14137179	14171267	+	3186		
antisense	uncharacterized LOC100507373	[Source:NCBI				
gene;Acc:100507373]	-	109	127	130	50	17
87	1.654176866	1.73706691	1.904774712			
0.87203974	0.327982378	1.269709881				
ENSG00000134453	1667.858184	1322.529814	1438.404066			
1285.012635	1027.871414	1210.280475	1476.264022			
1174.388175	0.32946755	0.04507681	1	RBM17		10
6088987	6117457	+	6419	protein_coding	RNA binding	
motif protein 17	[Source:HGNC Symbol;Acc:HGNC:16944]	-				1734
1520	1546	1166	848	1311	13.06119562	
10.31893341	11.24315375	10.09353326	8.12037035			
9.496560386						
ENSG00000232060	46.16908469	6.960683234	19.53847697			0
3.636337549	7.385388102	24.2227483	3.67390855			
2.703095449	0.045093695	1	SLC4A1APP1			9
30558880	30559481	-	602			
processed_pseudogene	solute carrier family 4 member 1 adaptor					
protein pseudogene 1	[Source:HGNC Symbol;Acc:HGNC:49811]					-
48	8	21	0	3	8	3.855191561
0.579098038	1.628429043	0	0.306317722			
0.61790899						
ENSG00000186141	3157.773021	3048.779256	2856.339252			
3170.65296	3939.365678	3730.544165	3020.963843			
3613.520934	-0.258362673	0.045175315	0.255205778			POLR3C
1	145824088	145842505	+	2793		
protein_coding	RNA polymerase III subunit C	[Source:HGNC				

Symbol;Acc:HGNC:30076]	-	3283	3504	3070	2877	3250	
4041	56.83307618	54.67033808	51.31135408				
57.23754129	71.52531605	67.27426055					
ENSG00000239494	0	5.220512425	21.3992843	0	0		
0	8.873265575	0	5.491384531	0.045268705			
1	RN7SL333P	1	169859756	169860052			
+	297	misc_RNA	"RNA, 7SL, cytoplasmic 333,				
pseudogene [Source:HGNC	Symbol;Acc:HGNC:46349]"	-	0	6			
23	0	0	0	0.880346007			
3.615075922	0	0	0				
ENSG00000172482	0	0	0	9.69690013			
14.7707762	0	8.155892111	-5.592366746	0.045282008			
1	AGXT	2	240868479	240880502	+		
4459	protein_coding	alanine--glyoxylate and serine--					
pyruvate aminotransferase [Source:HGNC	Symbol;Acc:HGNC:341]	-					
0	0	0	8	16	0	0	
0	0	0.110280792	0.166845128				
ENSG00000213549	28.85567793	0	4.652018326	0	0		
0.923173513	11.16923208	0.307724504	4.860072632				
0.045329678	1	AC005077.1	7	76113026			
76113400	-	375	processed_pseudogene	"GrpE-			
like 1, mitochondrial (E. coli) (GRPEL1)	pseudogene"	-	30				
0	5	0	0	1	3.868042199	0	
0.622421767	0	0	0.123993737				
ENSG0000008300	744.4764906	681.2768715	678.2642719				
459.5628378	465.4512063	642.5287649	701.3392113				
522.5142696	0.423058713	0.045336649	1	CELSR3	3		
48636469	48662915	-	13873	protein_coding			
cadherin EGF LAG seven-pass G-type receptor 3 [Source:HGNC	Symbol;Acc:HGNC:3230]	-	774	783	729	417	384
696	2.69756421	2.45951782	2.453031798				
1.670235508	1.701406933	2.332758988					
ENSG00000144560	1698.637574	1973.353697	1758.462927				
1607.918898	1378.171931	1456.767803	1810.151399				
1480.952877	0.289616152	0.045339696	1	VGLL4	3		
11556070	11771350	-	7236	protein_coding			
vestigial like family member 4 [Source:HGNC	Symbol;Acc:HGNC:28966]	-	1766	2268	1890	1459	1137
1578	11.8003084	13.6585026	12.19296373				
11.20388848	9.658490716	10.14003511					
ENSG00000233509	2.885567793	15.66153728	3.721614661	0			
0	0	7.422906577	0	5.235228073			
0.045369985	1	ZNF197-AS1	3	44617128			
44624797	-	623	antisense	ZNF197 antisense RNA	1		
[Source:HGNC	Symbol;Acc:HGNC:40620]	-	3	18	4		
0	0	0	0.23282758	1.259050229			
0.299721557	0	0	0				
ENSG00000256742	0	0	0	6.612414933	18.18168774		
0	0	8.264700892	-5.606070239	0.04537536			
1	AC145422.1	12	121580792	121593504			

1510427	1612110	-	8168	protein_coding	intraflagellar		
transport 140	[Source:HGNC Symbol;Acc:HGNC:29077]			-	394		
445	449	279	150	338	2.332285484		
2.374121165	2.566118146		1.898018835		1.128815308		
1.924119271							
ENSG00000133195	684.8414228		816.1401092		585.2239054		
465.0731836	419.3909306		630.5275092		695.4018125		
504.9972078	0.460214594		0.045711199		1	SLC39A11	
17	72645949		73092712		-	5583	
protein_coding	solute carrier family 39 member 11			[Source:HGNC			
Symbol;Acc:HGNC:14463]	-	712	938	629	422	346	
683	6.166142858		7.321394494		5.25931343		
4.200073271	3.809393454		5.68832097				
ENSG00000185245	89.45260158		58.29572208		67.91946756		
34.16414382	9.69690013		40.61963456		71.88926374		
28.16022617	1.344151183		0.04578938		1	GP1BA	17
4932297	4935030	+	2501	protein_coding	glycoprotein		
Ib platelet subunit alpha	[Source:HGNC Symbol;Acc:HGNC:4439]			-			
93	67	73	31	8	44	1.797920455	
1.167400053	1.362558647		0.688747516		0.196618173		
0.818031454							
ENSG00000144199	4.809279655		9.570939447		12.09524765		0
1.212112516	0		8.825155583		0.404037505		
4.522071376	0.045792708		1	FAHD2B	2	97083583	
97094882	-		2662	protein_coding			
fumarylacetoacetate hydrolase domain containing 2B	[Source:HGNC						
Symbol;Acc:HGNC:25318]	-	5	11	13	0	1	
0	0.090816167		0.180070774		0.22797191	0	
0.023090818	0						
ENSG00000283296	0	13.05128106	13.02565131		0	0	
0	8.692310792	0	5.462347507		0.04582538		
1	MIR4256	1	112461770		112461833	-	
64	miRNA	microRNA	4256	[Source:HGNC			
Symbol;Acc:HGNC:38388]	-	0	15	14	0	0	
0	0	10.21338922	10.21160712		0	0	
0							
ENSG00000104237	57.71135586		75.69743017		88.38834819		
38.57242044	30.30281291		31.38789943		73.93237807		
33.42104426	1.145743515		0.045845053		1	RP1	8
54509422	54871720		+	15273	protein_coding		
"RP1, axonemal microtubule associated	[Source:HGNC						
Symbol;Acc:HGNC:10263]"	-	60	87	95	35	25	
34	0.189945109		0.248229561		0.290365684		
0.127337329	0.100615066		0.103510781				
ENSG00000116670	902.2208632		991.0272754		904.3523626		
1081.129841	1259.384904		1151.19737		932.5335004		
1163.904039	-0.31936512		0.045866033		1	MAD2L2	1
11674480	11691650		-	3324	protein_coding		
mitotic arrest deficient 2 like 2	[Source:HGNC						
Symbol;Acc:HGNC:6764]	-	938	1139	972	981	1039	

1247	13.64404175	14.93211434	13.65058569			
16.39910082	19.21329684	17.44361354				
ENSG00000065328	911.8394225	736.092252	802.0079594			
1234.317454	1049.689439	889.9392663	816.6465446			
1057.982053	-0.373254882	0.045871997	1	MCM10	10	
13161554	13211104	+	5454	protein_coding		
minichromosome maintenance 10 replication initiation factor						
[Source:HGNC Symbol;Acc:HGNC:18043]						
1120	866	964	8.404162094	6.759488401	862	
7.377991797	11.4107695	9.760006763	8.218506792			
ENSG0000008853	524.2114824	421.9914211	596.3887494			
867.3284253	558.78387	696.9960021	514.1972176			
707.7027658	-0.461458607	0.045890272	1	RHOBTB2	8	
22987417	23020199	+	6580	protein_coding		
Rho related BTB domain containing 2 [Source:HGNC						
Symbol;Acc:HGNC:18756]						
755	4.004716943	3.21199191	4.547557214	641	787	461
6.646008347	4.306479577	5.335216851				
ENSG00000108528	1549.549905	1360.813572	1524.931607			
1574.856823	1945.440589	1942.357071	1478.431695			
1820.884828	-0.300770372	0.045912954	1	SLC25A11		
17	4937130	4940251	-	2669	protein_coding	solute
carrier family 25 member 11 [Source:HGNC Symbol;Acc:HGNC:10981]						
1611	1564	1639	1429	1605	2104	29.18422622
25.53564151	28.66661512	29.75059793	36.96356266			
36.65457428						
ENSG0000030304	9.618559309	16.53162268	0	0	0	
0	8.71672733	0	5.466256156	0.045945378		
1	MUSK	9	110668771	110801620	+	
4246	protein_coding	muscle associated receptor tyrosine				
kinase [Source:HGNC Symbol;Acc:HGNC:7525]						
0	0	0	0	0.113873122	0.194998921	
0	0	0	0			
ENSG00000230555	45.20722875	44.37435562	29.77291729			
18.73517564	10.90901265	8.308561615	39.78483389			
12.65091663	1.656502241	0.045958416	1	AL450326.1		
10	43420738	43422100	+	760		
lincRNA novel transcript						
9	9	2.990098411	2.924254599	1.965542423		
1.24293201	0.727907639	0.550630084				
ENSG00000185404	633.8630585	523.7914134	592.6671347			
374.7035128	500.6024692	418.1976013	583.4405355			
431.1678611	0.436853175	0.045958475	1	SP140L	2	
230327184	230403732	+	5650	protein_coding		
SP140 nuclear body protein like [Source:HGNC						
Symbol;Acc:HGNC:25105]						
453	5.639468605	4.643085074	5.263044237	637	340	413
3.343817088	4.493129791	3.728041793				
ENSG00000199133	0	0	0	7.714484088	0	
16.61712323	0	8.110535772	-5.586485648	0.045972529		

1	MIRLET7D	9	94178834	94178920		
+	87	miRNA	microRNA let-7d [Source:HGNC			
Symbol;Acc:HGNC:31481]	-	0	0	0	7	0
18	0	0	0	4.470857534	0	
9.620203759						
ENSG00000230433	23.08454234	0	3.721614661	0	0	
0	8.935385668	0	5.500059736	0.046099459		
1	AL031770.1	6	524171	525581	+	851
antisense	novel transcript	-	24	0		
4	0	0	0	1.363587144	0	
0.21942013	0	0	0			
ENSG00000137145	1169.616812	1206.808456	950.8725458			
1012.801554	784.236798	779.1584447	1109.099271			
858.7322655	0.369333687	0.046124448	1	DENND4C	9	
19230435	19373545	+	8745	protein_coding		
DENN domain containing 4C [Source:HGNC	Symbol;Acc:HGNC:26079]					
-	1216	1387	1022	919	647	844
6.723183697	6.911546671	5.455532129	5.839393488			
4.547700203	4.487594953					
ENSG00000163156	1761.15821	1673.174232	1618.902377			
1741.269266	2169.681404	2301.471567	1684.411606			
2070.807412	-0.298194256	0.046154208	1	SCNM1	1	
151156664	151170297	+	3265	protein_coding		
sodium channel modifier 1 [Source:HGNC	Symbol;Acc:HGNC:23136]					
-	1831	1923	1740	1580	1790	2493
27.11479811	25.66579354	24.87780724	26.88969926			
33.6990149	35.50341353					
ENSG00000184434	17.31340676	13.05128106	3.721614661	0		
0	1.846347025	11.36210083	0.615449008			
4.117650415	0.046168101	1	LRRRC19	9	26993136	
27005693	-	3609	protein_coding	leucine rich		
repeat containing 19 [Source:HGNC	Symbol;Acc:HGNC:23379]					
18	15	4	0	0	2	0.241149763
0.181118568	0.051739133	0	0	0	0.02576761	
ENSG00000259863	56.74949993	11.31111026	46.52018326			
17.63310649	6.060562582	6.462214589	38.19359781			
10.05196122	1.926193387	0.046205324	1	SH3RF3-AS1		
2	109127327	109128930	-	1604		
lincRNA SH3RF3 antisense RNA 1 [Source:HGNC	Symbol;Acc:HGNC:44168]					
-	59	13	50	16	5	7
1.778479503	0.353181207	1.45516311	0.554278027			
0.191607719	0.202919925					
ENSG00000057608	5464.303544	5714.720935	5574.978762			
6498.90181	6642.376589	6195.417444	5584.667747			
6445.565281	-0.206713229	0.046338437	0.259520159	GDI2		
10	5765223	5842132	-	4033	protein_coding	GDP
dissociation inhibitor 2 [Source:HGNC	Symbol;Acc:HGNC:4227]					
5681	6568	5992	5897	5480	6711	68.10794612
70.96815583	69.35689122	81.24842472	83.52177141			
77.37310667						

ENSG00000144713	18773.50406	20998.64115	24174.67843			
21932.27826	26084.66135	28235.26189	21315.60788			
25417.4005	-0.253928301	0.046363079	0.259520159	RPL32		
3	12834485	12841588	-	3720		
protein_coding ribosomal protein L32 [Source:HGNC						
Symbol;Acc:HGNC:10336]	-	19518	24134	25983	19901	21520
30585	253.6842999	282.7124708	326.0561448			
297.2651541	355.587665	382.2931912				
ENSG00000178502	443.4155842	359.345272	279.1210996			
179.6372723	216.9681404	310.1863003	360.6273186			
235.5972377	0.612100234	0.04641409	1	KLHL11	17	
41853545	41865431	-	2383	protein_coding		
kelch like family member 11 [Source:HGNC						
Symbol;Acc:HGNC:19008]	-	461	413	300	163	179
336	9.35358505	7.552393452	5.876831627			
3.800805149	4.617175142	6.556110325				
ENSG00000183340	616.5496517	929.2512117	566.6158321			
546.6263011	478.7844439	508.6686055	704.1388985			
511.3597835	0.461790072	0.046432262	1	JRKL	11	
96389989	96507574	+	3511	protein_coding		
JRK like [Source:HGNC Symbol;Acc:HGNC:6200]						
1068	609	496	395	551	8.827310773	
13.25558873	8.09715586	7.849877702	6.915341415			
7.297125029						
ENSG00000023909	811.8064057	1062.374279	982.5062704			
895.9822234	1344.232781	1590.627962	952.2289849			
1276.947655	-0.423582572	0.046481448	1	GCLM	1	
93885205	93909456	-	5420	protein_coding		
glutamate-cysteine ligase modifier subunit [Source:HGNC						
Symbol;Acc:HGNC:4312]	-	844	1221	1056	813	1109
1723	7.529122731	9.816913745	9.095166786			
8.33495583	12.5770741	14.78144899				
ENSG00000160813	319.3361691	446.3538124	374.0222734			
296.4566028	206.0591278	277.8752273	379.904085			
260.1303193	0.545597372	0.046546151	1	PPP1R35	7	
100435282	100436565	-	1187	protein_coding		
protein phosphatase 1 regulatory subunit 35 [Source:HGNC						
Symbol;Acc:HGNC:28320]	-	332	513	402	269	170
301	13.52348368	18.83324881	15.80961777			
12.5925477	8.803301228	11.79089562				
ENSG00000277067	32.70310165	0.870085404	8.373632987			
2.204138311	0	0.923173513	13.98227335	1.042437275		
3.731309192	0.046596667	1	CU634019.1	21		
7048891	7087229	+	3058	lincRNA uncharacterized		
LOC102724843 [Source:NCBI gene;Acc:102724843]						
9	2	0	1	0.537579442	0.014250205	
0.137388716	0.036341643	0	0.015205249			
ENSG00000130714	148.1258134	180.1076787	195.3847697			
275.5172889	220.604478	301.8777387	174.5394206			
265.9998352	-0.608762395	0.046601347	1	POMT1	9	

131502902	131523806	+	6067	protein_coding
protein 0-mannosyltransferase 1 [Source:HGNC				
Symbol;Acc:HGNC:9202]	-	154	207	210 250 182
327	1.22729211	1.486808202	1.615813884	
2.289697223	1.843931372	2.506136812		
ENSG00000271967	0	21.75213511	4.652018326	0 0
0	8.801384477	0	5.481020114	0.046657363
1	AL583856.2	6	70596438	70596980
+	543	lincRNA novel transcript	-	0
25	5	0	0	0
0.429849287	0	0	0	2.006313414
ENSG00000206739	18.27526269	7.830768638	0	0 0
0	8.702010442	0	5.462688545	0.046660974
1	RF00019	22	19045256	19045367
112	misc_RNA	-	19	9 0
0	0	0	8.202321628	3.501733448
0	0	0		0
ENSG00000269343	626.168211	503.7794491	578.7110797	
477.1959443	270.3010911	451.4318477	569.5529133	
399.6429611	0.509460897	0.04666275	1	ZNF587B 19
57819741	57846238	+	4380	protein_coding
zinc finger protein 587B [Source:HGNC Symbol;Acc:HGNC:37142]				
zf-C2H2	651	579	622	433 223 489
7.186345525	5.760538068	6.629218139	5.493205288	
3.129522748	5.191176161			
ENSG00000136932	200.0660336	198.3794722	227.0184943	
301.9669486	356.3610798	263.1044511	208.488	307.1441598
-0.557811726	0.046720827	1	TRM0	9
97904489	97922570	-	4203	protein_coding tRNA
methyltransferase 0 [Source:HGNC Symbol;Acc:HGNC:30967]				
228	244	274	294	285 2.392793176
2.363926966	2.710044812	3.622456813	4.299671741	
3.152945676				
ENSG00000164897	885.8693124	1044.97257	930.4036652	
1010.597416	1271.50603	1361.680931	953.748516	
1214.594792	-0.348910103	0.046748799	1	TMUB1 7
151081080	151083546	-	2005	protein_coding
transmembrane and ubiquitin like domain containing 1				
[Source:HGNC Symbol;Acc:HGNC:21709]				
917	1049	1475	22.20989318	26.10280796
23.28260975	25.41364754	32.15943954	34.20650173	
ENSG00000149716	582.8846942	346.2939909	495.9051535	
283.2317729	231.5134906	430.1988569	475.0279462	
314.9813735	0.590119002	0.046833959	1	LT01 11
69653076	69675416	-	7872	protein_coding
"LT01, ABCE1 maturation factor [Source:HGNC				
Symbol;Acc:HGNC:17589]"				
466	3.722106156	2.203213502	3.160735538	533 257 191
1.814095231	1.491405162	2.752528658		
ENSG00000264349	6.732991517	12.18119566	2.791210996	0

0	0	7.235132724	0	5.197589723		
0.046923071	1	MIR4258	1	154975693	154975783	
+	91	miRNA	microRNA	4258	[Source:HGNC	
Symbol;Acc:HGNC:38281]	-	7	14	3	0	0
0	3.719271346	6.704173439	1.538954919	0		
0	0					
ENSG00000118655	1176.349804	983.1965068	1201.151132			
1416.158865	1326.051093	1421.68721	1120.232481			
1387.965722	-0.309576948	0.04694123	1	DCLRE1B	1	
113905141	113914086	+	3940	protein_coding		
DNA cross-link repair 1B	[Source:HGNC	Symbol;Acc:HGNC:17641]				
-	1223	1130	1291	1285	1094	1540
15.00829825	12.49800861	15.29593595	18.1225351			
17.06744297	18.17420896					
ENSG00000197757	11.54227117	11.31111026	3.721614661	0		
0	0.923173513	8.858332029	0.307724504			
4.527239922	0.046994292	1	H0XC6	12	53990624	
54030823	+	3540	protein_coding	homeobox C6		
[Source:HGNC	Symbol;Acc:HGNC:5128]	Homeobox	12	13		
4	0	0	1	0.163900093	0.160028999	
0.052747607	0	0	0.01313493			
ENSG00000183458	180.828915	140.0837501	321.9196682			
168.6165808	81.21153859	108.011301	214.2774444			
119.2798068	0.844309243	0.047004846	1	AC138932.1		
16	14911551	14935708	+	6830		
transcribed_unprocessed_pseudogene	polycystic kidney disease 1					
(autosomal dominant) (PKD1) pseudogene	-	188	161	346		
153	67	117	1.330878356	1.027220718		
2.364838194	1.244751822	0.602977989	0.796519067			
ENSG00000137492	1864.076794	2591.114334	1919.422761			
2578.841824	2610.89036	2673.510493	2124.871296			
2621.080892	-0.30259947	0.047058897	0.262074246	THAP12		
11	76349956	76380971	-	7727		
protein_coding	THAP domain containing 12	[Source:HGNC				
Symbol;Acc:HGNC:9440]	THAP	1938	2978	2063	2340	2154
2896	12.1267403	16.79470496	12.46333738			
16.82739886	17.1349226	17.42684078				
ENSG00000102710	1787.12832	1506.117835	1209.524765			
1319.176779	1136.96154	1059.803193	1500.92364			
1171.980504	0.357065674	0.047078576	1	SUPT20H	13	
37009312	37059713	-	10933	protein_coding		
"SPT20 homolog, SAGA complex component	[Source:HGNC					
Symbol;Acc:HGNC:20596]"	-	1858	1731	1300	1197	938
1148	8.216891986	6.899479324	5.550729198			
6.083686776	5.273644501	4.882402261				
ENSG00000105671	4445.698113	3415.955297	3841.636734			
3921.162055	4899.358791	5587.969273	3901.096714			
4802.830039	-0.300258595	0.047104848	0.262074246	DDX49		
19	18919675	18928633	+	2780		
protein_coding	DEAD-box helicase 49	[Source:HGNC				

Symbol;Acc:HGNC:18684]	-	4622	3926	4129	3558	4042
6053	80.38710002	61.54093597	69.33397871			
71.11696126	89.37146426	101.2411095				
ENSG00000260051	10.58041524	3.480341617	7.443229322	0		
0	0	7.167995393	0	5.182640239		
0.047107282	1	AL031600.1	16	1451760	1452653	+
570	antisense	"novel transcript, antisense to CLCN7"				
-	11	4	8	0	0	
0.933080355	0.305804402	0.655180808	0	0	0	
ENSG00000256588	16.35155083	9.570939447	0	0	0	
0	8.640830091	0	5.452743137	0.047111522		
1	AC027544.2	11	18507608	18508820		
-	630	sense_intronic	novel transcript	-		
17	11	0	0	0	1.304696774	
0.760870478	0	0	0	0		
ENSG00000279901	0	0	0	12.12276071	12.12112516	
0	0	8.081295291	-5.57460031	0.047196555		
1	AC092117.2	16	2683106	2684764	+	1659
TEC	tec	-	0	0	11	10
0	0	0	0	0.368432848	0.370510887	
0						
ENSG00000135269	8.656703379	5.220512425	21.3992843			
2.204138311	0	0	11.75883337	0.73471277		
4.015272945	0.04722506	1	TES	7	116210493	
116258783	+	4280	protein_coding	testin LIM		
domain protein [Source:HGNC Symbol;Acc:HGNC:14620]	-	9				
6	23	2	0	0	0.10167167	
0.061089431	0.25085924	0.025965594	0	0		
ENSG00000174715	8.656703379	6.09059783	6.512825656	0		
0	0	7.086708955	0	5.166698837		
0.047288958	1	PPIAP72 3	138643874	138644694		
-	504	processed_pseudogene	peptidylprolyl			
isomerase A pseudogene 72 [Source:HGNC Symbol;Acc:HGNC:53696]	-					
9	7	7	0	0	0.863402277	
0.60523788	0.648356008	0	0	0		
ENSG00000198805	1311.009634	1416.499038	1363.04137			
1315.870572	1847.259475	2046.675678	1363.51668			
1736.601908	-0.349189877	0.047305245	1	PNP	14	
20468954	20477094	+	4139	protein_coding		
purine nucleoside phosphorylase [Source:HGNC						
Symbol;Acc:HGNC:7892]	-	1363	1628	1465	1194	1524
2217	15.92214761	17.14026657	16.52297456			
16.02953574	22.63272783	24.90584522				
ENSG00000122490	764.6754651	867.475148	767.5830238			
869.5325636	1019.386626	1197.356046	799.9112123			
1028.758412	-0.363421094	0.04738455	1	PQLC1	18	
79902420	79951664	-	5225	protein_coding		
PQ loop repeat containing 1 [Source:HGNC						
Symbol;Acc:HGNC:26188]	-	795	997	825	789	841
1297	7.35668313	8.315099708	7.370784088			

8.39078807	9.893661815	11.54209646				
ENSG00000250571	527.0970502	522.0512425	673.6122536			
244.6593525	545.4506323	376.6547932	574.2535154			
388.9215927	0.563212362	0.047385441	1	GLI4	8	
143267433	143276931	+	3057	protein_coding		
GLI family zinc finger 4 [Source:HGNC Symbol;Acc:HGNC:4320]						
zf-C2H2	548	600	724	222	450	408
8.667350038	8.552919991	11.05577428	4.035241946			
9.048246745	6.205770956					
ENSG00000135624	9266.520039	7641.09002	8657.406105			
8717.367019	10902.95208	10745.73969	8521.672054			
10122.0196	-0.248344359	0.047518076	0.263418741	CCT7		
2	73233420	73253021	+	3591		
protein_coding chaperonin containing TCP1 subunit 7 [Source:HGNC						
Symbol;Acc:HGNC:1622]						
	-	9634	8782	9305	7910	8995
11640	129.715673	106.5704072	120.9614567			
122.397662	153.968941	150.7192045				
ENSG00000158164	27.893822	28.71281834	12.09524765			
71.6344951	81.21153859	30.46472592	22.90062933			
61.10358654	-1.412589117	0.047567023	1	TMSB15A X		
102513676	102516784	-	685	protein_coding		
thymosin beta 15a [Source:HGNC Symbol;Acc:HGNC:30744]						
29	33	13	65	67	33	2.046956638
2.099336062	0.885928793	5.27272145	6.012174696			
2.240032846						
ENSG00000162813	899.3352954	1083.256328	1066.2426			
1358.851269	1168.476466	1281.364836	1016.278075			
1269.56419	-0.321056677	0.047573815	1	BPNT1	1	
220057482	220090462	-	3113	protein_coding		
"3'(2'), 5'-bisphosphate nucleotidase 1 [Source:HGNC						
Symbol;Acc:HGNC:1096]"						
	-	935	1245	1146	1233	964
1388	14.52224324	17.42805125	17.18507899			
22.00878154	19.03466656	20.7320078				
ENSG00000284954	12.5041271	13.05128106	14.88645864			
3.306207466	0	0	13.48062227	1.102069155		
3.625191655	0.04757785	1	AL662884.3	6		
32152802	32154365	-	1060			
bidirectional_promoter_lncRNA uncharacterized LOC100507547						
[Source:NCBI gene;Acc:100507547]						
	-		13	15		16
3	0	0	0.592978167	0.616657463		
0.704628416	0.157263318	0	0			
ENSG00000105755	153.896949	275.8170731	235.3921273			
330.6207466	368.482205	305.5704327	221.7020498			
334.8911281	-0.593664274	0.047665185	1	ETHE1	19	
43506719	43527244	-	1604	protein_coding		
"ETHE1, persulfide dioxygenase [Source:HGNC						
Symbol;Acc:HGNC:23287]"						
	-	160	317	253	300	304
331	4.822995261	8.612187887	7.363125334			
10.39271301	11.64974931	9.59521362				
ENSG00000175334	2845.169844	2789.493806	3053.584829			

3343.677818	3381.79392	3462.823846	2896.082826			
3396.098528	-0.229862258	0.047720835	0.263418741	BANF1		
11	66002079	66004149	+	1645		
protein_coding	barrier to autointegration factor 1 [Source:HGNC					
Symbol;Acc:HGNC:17397]	-	2958	3206	3282	3034	2790
3751	86.94277223	84.92903969	93.13624197			
102.4853333	104.2523039	106.0259518				
ENSG00000229927	0	0.870085404	8.373632987	28.65379804		
	24.24225033	12.00125567	3.081239464	21.63243468		
	-2.81128813	0.047759377	1	RHEBP1	10	
46634911	46635466	-	556	processed_pseudogene		
	RHEB pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:10010]					
	0	1	9	26	20	13
						0
0.078376128	0.755637937	2.598427477	2.211070368			
1.087175305						
ENSG00000235636	138.5072541	123.5521274	106.0660178			
70.53242595	75.15097601	57.23675779	122.7084664			
67.64005325	0.861198931	0.04776987	1	NUS1P1	X	
	47512602	47513483	-	882		
processed_pseudogene	NUS1 pseudogene 1 [Source:HGNC					
Symbol;Acc:HGNC:38472]	-	144	142	114	64	62
62	7.893963672	7.01581869	6.033680398			
4.032027008	4.320862682	3.268542396				
ENSG00000130449	494.3939485	573.3862814	577.7806761			
450.7462846	346.6641797	418.1976013	548.520302			
405.2026885	0.436330742	0.047787225	1	ZSWIM6	5	
	61332273	61546170	+	5501	protein_coding	
	zinc finger SWIM-type containing 6 [Source:HGNC					
Symbol;Acc:HGNC:29316]	-	514	659	621	409	286
453	4.517755159	5.220383008	5.269822544			
4.131366339	3.195742279	3.829019475				
ENSG00000235527	14.42783896	11.31111026	0	0	0	
	0	8.57964974	0	5.442731682	0.047794009	
	1	HIPK1-AS1	1	113924000	113929492	
	-	3087	antisense	HIPK1 antisense RNA 1		
[Source:HGNC Symbol;Acc:HGNC:50576]	-		15	13	0	
	0	0	0.234939395	0.18351236	0	
	0	0				
ENSG00000175315	0	0	0	0	29.54155241	
	0	9.847184136	-5.866885458	0.047803152	1	
	CST6	11	66011841	66013505	+	759
protein_coding	cystatin E/M [Source:HGNC					
Symbol;Acc:HGNC:2478]	-	0	0	0	0	0
32	0	0	0	0	1.960375294	
ENSG00000236088	799.3022786	662.1349926	762.0006018			
592.9132056	579.3897828	543.749199	741.1459577			
572.0173958	0.373804324	0.047810625	1	COX10-AS1		
	17	13756478	14069495	-	6456	
processed_transcript	COX10 antisense RNA 1 [Source:HGNC					
Symbol;Acc:HGNC:38873]	-	831	761	819	538	478

589	6.223557674	5.136647137	5.921972903		
4.630531017	4.551051343	4.242118453			
ENSG00000172725	2515.253259	2411.876741	2323.217952		
2432.266626	3169.67423	3213.566998	2416.782651		
2938.502618	-0.282103892	0.047884836	0.263418741	COR01B	
11	67435510	67443821	-	5327	
protein_coding	coronin 1B [Source:HGNC Symbol;Acc:HGNC:2253]				-
2615	2772	2497	2207	2615	3481
22.67613986	21.88174141	23.02139731	30.17424113		
30.38451753					
ENSG00000164733	66022.75296	82078.63652	72980.8635		
68300.73591	59731.69269	61807.38985	73694.08433		
63279.93948	0.219806215	0.047920403	0.263418741	CTSB	
8	11842524	11869448	-	7428	
protein_coding	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]				-
68641	94334	78440	61975	49279	66951
553.4201308	492.9600508	463.6141515	407.7907322		
419.0985818					
ENSG00000231584	12.5041271	25.23247672	9.304036652		
4.408276622	0	0	15.68021349	1.469425541	
3.426908362	0.047936896	1	FAHD2CP 2	96010551	
96023380	+	2140			
transcribed_unprocessed_pseudogene	"fumarylacetoacetate hydrolase domain containing 2C, pseudogene [Source:HGNC Symbol;Acc:HGNC:44135]"				
-	13	29	10	4	0
0.293718158	0.590531165	0.21813847	0.103862378	0	
0					
ENSG00000078124	706.9641092	743.0529352	653.143373		
933.4525746	972.1142381	788.3901799	701.0534725		
897.9856642	-0.356358562	0.047982221	1	ACER3	11
76860867	77026797	+	8442	protein_coding	
alkaline ceramidase 3 [Source:HGNC Symbol;Acc:HGNC:16066]					
-	735	854	702	847	802
4.20962304	4.408299782	3.881841513	5.575067194		
5.839509653	4.703742523				
ENSG00000172175	721.3919482	669.0956759	680.1250793		
1233.215385	865.4483366	698.8423491	690.2042344		
932.5020236	-0.433594763	0.047983314	1	MALT1	18
58671386	58754477	+	11527	protein_coding	
MALT1 paracaspase [Source:HGNC Symbol;Acc:HGNC:6819]					
750	769	731	1119	714	757
2.907158058	2.96037767	5.394185	3.807406779		
3.053589155					
ENSG00000114745	974.360058	968.4050549	1122.06682		
1118.600193	1557.564583	1227.820772	1021.610644		
1301.328516	-0.348651594	0.04803102	1	GORASP1	3
39096659	39108363	-	6256	protein_coding	
golgi reassembly stacking protein 1 [Source:HGNC Symbol;Acc:HGNC:16769]					
1330	7.829137524	7.752772178	8.999048731	1206	1015
				1285	

9.015324134	12.62565005	9.885210437				
ENSG0000070759	13.46598303	105.2803339	68.84987122			
29.7558672	9.69690013	21.23299079	62.53206272			
20.22858604	1.626220394	0.048045822	1	TESK2	1	
45343883	45491166	-	3322	protein_coding		
testis associated actin remodelling kinase 2 [Source:HGNC						
Symbol;Acc:HGNC:11732]	-	14	121	74	27	8
23	0.203765017	1.587246361	1.039867793			
0.451623133	0.148025903	0.321928352				
ENSG00000162408	2031.439726	1692.316111	1628.206414			
1369.87196	1334.53588	1614.630474	1783.987417			
1439.679438	0.308679362	0.048070372	1	NOL9	1	
6521347	6554535	-	7293	protein_coding	nucleolar	
protein 9 [Source:HGNC Symbol;Acc:HGNC:26265]						
-				2112	1945	
1750	1243	1101	1749	14.00196271	11.62176233	
11.20154353	9.470588324	9.279583107	11.1510205			
ENSG00000197283	488.6228129	304.5298915	380.5350991			
306.3752252	189.0895525	287.1069625	391.2292678			
260.8572467	0.582937513	0.048086864	1	SYNGAP1	6	
33419661	33457541	+	12129	protein_coding		
synaptic Ras GTPase activating protein 1 [Source:HGNC						
Symbol;Acc:HGNC:11497]	-	508	350	409	278	156
311	2.0250695	1.25748162	1.574143599			
1.273596461	0.790582074	1.192247474				
ENSG00000232956	621.3589314	551.6341463	494.9747499			
598.4235514	701.8131469	970.2553619	555.9892759			
756.8306867	-0.446028987	0.048099698	1	SNHG15	7	
44983023	44986961	-	3647	lincRNA	small	
nucleolar RNA host gene 15 [Source:HGNC Symbol;Acc:HGNC:27797]						
-						
646	634	532	543	579	1051	8.56442028
7.575513776	6.809604749	8.273249275	9.758659405			
13.39978934						
ENSG00000140406	699.2692618	686.4973839	735.9492992			
835.3684198	810.9032734	1102.269174	707.2386483			
916.1802891	-0.374468838	0.048159807	1	TLNRD1	15	
81000944	81005788	+	4845	protein_coding		
talin rod domain containing 1 [Source:HGNC						
Symbol;Acc:HGNC:13519]	-	727	789	791	758	669
1194	7.255073991	7.096460987	7.621294397			
8.693356064	8.487498227	11.45886396				
ENSG00000215146	6.732991517	19.14187889	0	0	0	
0	8.624956803	0	5.451344561	0.04820188		
1	BX322639.1	10	42331866	42367974		
-	7208	transcribed_unprocessed_pseudogene				zinc
finger protein 91 pseudogene [Source:NCBI gene;Acc:441666]						
-						
7	22	0	0	0	0	0.046955285
0.133004551	0	0	0	0		
ENSG00000113070	695.4218381	904.018735	662.4474096			
618.2607962	482.4207815	594.5237422	753.9626609			
565.06844	0.415690909	0.04820283	1	HBEGF	5	

140332843	140346631	-	3018	protein_coding		
heparin binding EGF like growth factor [Source:HGNC						
Symbol;Acc:HGNC:3059]	-	723	1039	712	561	398
644	11.58297925	15.00219858	11.01302928			
10.32893797	8.10608581	9.921964071				
ENSG00000167695	1283.115812	1439.121259	1583.547038			
1752.289957	1592.715846	1970.97545	1435.26137			
1771.993751	-0.30448745	0.048234478	1	FAM57A	17	
732412	742972	+	2740	protein_coding	family with	
sequence similarity 57 member A [Source:HGNC Symbol;Acc:HGNC:29646]						
-	1334	1654	1702	1590	1314	2135
23.54000134	26.30531702	28.99713088	32.24471964			
29.4776028	36.23083429					
ENSG00000112118	6366.524407	5430.203008	5895.968026			
7351.903336	6722.376015	6593.305228	5897.565147			
6889.19486	-0.224242051	0.048286153	0.264636945		MCM3	
6	52264009	52284881	-	3650		
protein_coding minichromosome maintenance complex component 3						
[Source:HGNC Symbol;Acc:HGNC:6945]						
6671	5546	7142	87.68003876	74.51091831		
81.04698781	101.55706	93.39730849	90.98252795			
ENSG00000112357	135.6216863	204.47007	145.1429718			
124.5338146	90.90843872	41.54280807	161.7449093			
85.66168712	0.920910537	0.048323962	1	PEX7	6	
136822564	136913937	+	1835	protein_coding		
peroxisomal biogenesis factor 7 [Source:HGNC						
Symbol;Acc:HGNC:8860]	-	141	235	156	113	75
45	3.715217644	5.580722032	3.968574757			
3.421798397	2.512306113	1.140269383				
ENSG00000135686	1627.460235	1330.360583	1451.429718			
1227.705039	1215.748854	1136.426594	1469.750179			
1193.293496	0.300696582	0.048486305	1	KLHL36	16	
84648525	84667686	+	9995	protein_coding		
kelch like family member 36 [Source:HGNC						
Symbol;Acc:HGNC:17844]	-	1692	1529	1560	1114	1003
1231	8.185001753	6.66627591	7.285977667			
6.193190459	6.168300099	5.726724262				
ENSG00000122986	10.58041524	6.960683234	3.721614661		0	
0	0	7.087571045	0	5.166858776		
0.048544721	1	HVCN1	12	110627841	110704950	
-	3688	protein_coding	hydrogen	voltage	gated	channel
1 [Source:HGNC Symbol;Acc:HGNC:28240]						
0	0	0	0.144212528	0.094527391		
0.050630838	0	0	0			
ENSG00000214535	21.16083048	6.09059783	0.930403665			
1.102069155	0	0	9.393943992	0.367356385		
4.610754648	0.048561503	1	RPS15AP1	20		
21166206	21166596	-	391	processed_pseudogene		
ribosomal protein S15a pseudogene 1 [Source:HGNC						
Symbol;Acc:HGNC:16598]	-	22	7	1	1	0

	0	2.720490038	0.780153175	0.119390365		
0.142113484	0	0				
ENSG00000279368	0	18.27179349	7.443229322	0	0	
	0	8.57167427	0	5.442647396	0.048568479	
	1	AL031123.3	6	6685148	6686984	+
TEC	TEC	-	0	21	8	0
0	0	0.498159866	0.203295079	0	0	
0						
ENSG00000169933	0	0	0	2.204138311	6.060562582	
	12.00125567	0	6.755318853	-5.32146049		
0.048580044	1	FRMPD4	X	12138466	12724523	
+	8478	protein_coding		FERM and PDZ domain containing		
4 [Source:HGNC	Symbol;Acc:HGNC:29007]	-	0	0	0	
	2	5	13	0	0	0.013108368
	0.036251331	0.071298593				
ENSG00000174748	30542.77323	35976.29129	35600.03544			
37649.98856	39729.41195	40284.52257	34039.69999			
39221.30769	-0.204412665	0.048606916	0.265141844			RPL15
	3	23916545	23924374	+	7222	
protein_coding	ribosomal protein L15	[Source:HGNC				
Symbol;Acc:HGNC:10306]	-	31754	41348	38263	34163	32777
	43637	212.5896774	249.4914237	247.3247447		
262.851561	278.9710116	280.949601				
ENSG00000182095	6699.326559	4604.491959	6417.924482			
4587.913894	4648.4515	5261.165849	5907.247667			
4832.510414	0.289492813	0.048667103	0.265141844			TNRC18
	7	5306790	5425414	-	12572	protein_coding
trinucleotide repeat containing	18 [Source:HGNC					
Symbol;Acc:HGNC:11962]	-	6965	5292	6898	4163	3835
	5699	26.78662297	18.34315606	25.61325973		
18.39984151	18.75030585	21.07780114				
ENSG00000237685	5.771135586	0	1.86080733	12.12276071		
	20.60591278	22.15616431	2.543980972	18.29494593		
	-2.858243887	0.048774739	1	AL139039.3	6	
	10511036	10514546	-	1475	antisense	
	"novel transcript, antisense to GCNT2"	-	6	0		
	2	11	17	24	0.196680112	0
0.063297129	0.414393284	0.708441936	0.756571957			
ENSG00000174903	3237.607064	2935.668154	2691.657803			
3008.648794	3833.911889	3914.255694	2954.977674			
3585.605459	-0.279189806	0.048815423	0.265163069			RAB1B
	11	66268533	66277492	+	2007	
protein_coding	"RAB1B, member RAS oncogene family	[Source:HGNC				
Symbol;Acc:HGNC:18370]"	-	3366	3374	2893	2730	3163
	4240	81.09012234	73.25821011	67.28946835		
75.58355561	96.87220375	98.23121194				
ENSG00000280063	62.52063551	31.32307455	66.05866023			
14.32689902	2.424225033	31.38789943	53.3007901			
16.04634116	1.717691614	0.048823457	1	AC012676.5		
	16	4346694	4348648	-	1955	TEC
						tec
						-

65	36	71	13	2	34	1.607562295
0.802443266		1.695343177		0.369495058		0.062882615
0.808654809						
ENSG00000109790	1186.930219		1379.085366		1091.363499	
953.2898194	1113.931402		772.6962302		1219.126361	
946.6391507	0.366161748		0.048891449		1	KLHL5 4
39045039		39126857		+	5144	protein_coding
	kelch like family member 5 [Source:HGNC Symbol;Acc:HGNC:6356]					
-	1234	1585	1173	865	919	837
11.59886293	13.42724472		10.64493682		9.343878685	
10.98150621	7.56581149					
ENSG00000172301	1259.069414		1408.668269		1361.180562	
1762.20858	1517.56487		1630.324423		1342.972748	
1636.699291	-0.285384161		0.048951282		1	COPRS 17
31851864		31859337		-	1432	protein_coding
	coordinator of PRMT5 and differentiation stimulator					
[Source:HGNC Symbol;Acc:HGNC:28848]					1309	1619 1463
1599	1252	1766	44.19751431		49.26771591	
47.69219862	62.04652874		53.74136228		57.34277413	
ENSG00000227071	0	0	0	0	7.272675098	
16.61712323	0	7.963266109		-5.558875474	0.048988989	
1	FOCAD-AS1		9	20683304	20684688	
-	423	lincRNA FOCAD antisense RNA 1 [Source:HGNC				
Symbol;Acc:HGNC:49789]	-	0	0	0	0	6
18	0	0	0	0	0.871883067	
1.978623468						
ENSG00000174197	3147.192606		2487.574171		2565.122905	
2583.2501	1972.107064		2097.450221		2733.296561	
2217.602462	0.301503919		0.049012574		0.265448629	MGA
15	41621224		41773081		+	17651
	protein_coding "MGA, MAX dimerization protein [Source:HGNC					
Symbol;Acc:HGNC:14010]" T-box			3272	2859	2757	2344 1627
2272	8.962830772		7.058354037		7.291443032	
7.379048011	5.665856856		5.98508097			
ENSG00000230021	1.923711862		4.350427021		8.373632987	
11.02069155	24.24225033		36.003767		4.882590623	
23.75556963	-2.283425904		0.0490204		1	AL669831.3
1	586071	827796	-	5495		
	transcribed_processed_pseudogene uncharacterized LOC101928626					
[Source:NCBI gene;Acc:101928626]					-	2 5 9
10	20	39	0.017598008		0.039651617	
0.076457633	0.101121696		0.223722498		0.330010629	
ENSG00000255670	18.27526269		0	7.443229322	0	0
0	8.57283067		0	5.440430252	0.049082173	
1	AC007619.1		12	12485353	12491581	
+	412	lincRNA novel transcript			-	19
0	8	0	0	0	2.229757336	0
0.906439467	0	0	0			
ENSG00000268564	0	0	0.930403665		5.510345777	
24.24225033	0	0.310134555		9.917532034	-4.906506707	

0.049154246	1	AC003956.1	19	15124160
15126174	+	356	antisense	"novel
transcript, antisense to ILVBL"	-	0	0	1 5
20 0 0	0	0	0.131128181	0.780426576
3.453244731	0			
ENSG00000233013	0	28.71281834	21.3992843	2.204138311
0	1.846347025	16.70403421	1.350161779	
3.608372573	0.049249885	1	FAM157B 9	138217068
138253217	+	2073		
transcribed_unprocessed_pseudogene			family with sequence	
similarity 157 member B [Source:HGNC Symbol;Acc:HGNC:34080]				-
0	33 23	2	0 2	0
0.693702461	0.517934177	0.053609621	0	0.044860252
ENSG00000273748	201.9897455	228.8324613	255.8610079	
174.1269266	143.0292769	123.7052507	228.8944049	
146.9538181	0.640500926	0.049253563	1	AL592183.1
GL000219.1	54224	83311	-	372 protein_coding
	-	210	263 275	158 118 134
27.29465262	30.80856047	34.50927138		23.60077099
19.49783665	16.74915403			
ENSG00000261499	35.58866945	8.700854042	17.67766964	
6.612414933	2.424225033	0	20.65573104	3.012213322
2.793009307	0.049312933	1	AC233699.1	17
36274191	36320547	+	1168	
unprocessed_pseudogene	aminopeptidase puromycin sensitive (NPEPPS)			
pseudogene	-	37 10	19 6	2 0
1.531651984	0.373091844	0.759375872		0.285443693
0.105253007	0			
ENSG00000258366	85.60517785	103.5401631	135.8389351	
67.22621848	42.42393807	58.1599313	108.328092	
55.93669595	0.952003884	0.049351671	1	RTEL1 20
63657810	63696253	+	6440	protein_coding
regulator of telomere elongation helicase 1 [Source:HGNC				
Symbol;Acc:HGNC:15888]	-	89 119	146 61	35
63	0.668198284	0.805229527	1.058310303	
0.526327439	0.334063892	0.45486833		
ENSG00000147394	246.2351183	233.1828883	225.157687	
147.6772668	133.3323768	178.172488	234.8585645	
153.0607105	0.615735113	0.049360718	1	ZNF185 X
152914442	152973480	+	4812	protein_coding
zinc finger protein 185 with LIM domain [Source:HGNC				
Symbol;Acc:HGNC:12976]	-	256 268	242 134	110
193	2.572264139	2.426988805	2.34766315	
1.547359492	1.405123272	1.864930744		
ENSG00000122783	483.8135333	391.5384319	584.2935017	
599.5256205	675.1466716	691.456961	486.548489	
655.3764177	-0.430212881	0.049426906	1	CYREN 7
135092363	135170795	-	5321	protein_coding
cell cycle regulator of NHEJ [Source:HGNC				
Symbol;Acc:HGNC:22432]	-	503 450	628 544	557

749	4.570628703	3.685342475	5.509502959			
5.680907062	6.434418383	6.545149591				
ENSG00000031691	358.7722622	386.3179195	331.2237048			
473.8897368	610.9047082	410.8122132	358.7712955			
498.5355527	-0.473176647	0.049427801	1	CENPQ	6	
49463378	49493107	+	1733	protein_coding		
centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]						
-	373	444	356	430	504	445
10.40666287	11.16459581	9.589533289	13.78738606			
17.87636996	11.93967393					
ENSG00000179941	621.3589314	797.8683157	746.1837395			
555.4428543	566.0565451	540.0565049	721.8036622			
553.8519681	0.382586967	0.049501482	1	BBS10	12	
76344474	76348442	-	3595	protein_coding		
Bardet-Biedl syndrome 10 [Source:HGNC Symbol;Acc:HGNC:26291]						
-	646	917	802	504	467	585
8.688300629	11.11550091	10.41409438	7.790111708			
7.984823965	7.566377226					
ENSG00000118495	760.8280414	939.6922366	950.8725458			
681.078738	707.8737095	684.0715729	883.7976079			
691.0080068	0.35533486	0.049514042	1	PLAGL1	6	
143940300	144064599	-	8733	protein_coding		
PLAG1 like zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:9046]						
zf-C2H2	791	1080	1022	618	584	741
4.379396227	5.389132892	5.463028567	3.932213217			
4.110519825	3.945352085					
ENSG00000126267	1728.455108	1769.753712	2243.203237			
1887.844463	2390.285882	3075.090971	1913.804019			
2451.073772	-0.357384657	0.04952558	1	COX6B1	19	
35648223	35658861	+	936	protein_coding		
cytochrome c oxidase subunit 6B1 [Source:HGNC						
Symbol;Acc:HGNC:2280]	-	1797	2034	2411	1713	1972
3331	92.826814	94.69644983	120.2451027			
101.693585	129.5025804	165.474014				
ENSG00000263142	209.6845929	113.981188	129.3261095			
76.04277172	103.0295639	73.85388102	150.9972968			
84.30873888	0.842058953	0.049594343	1	LRRC37A17P		
17	46978481	47054569	+	5074		
transcribed_unprocessed_pseudogene "leucine rich repeat						
containing 37 member A17, pseudogene [Source:HGNC						
Symbol;Acc:HGNC:48365]"	-	218	131	139	69	85
80	2.07733839	1.125069705	1.278822807			
0.755632574	1.029712116	0.733112361				
ENSG00000238086	10.58041524	0	14.88645864	0	0	
0	8.488957961	0	5.426580497	0.049640161		
1	PPP1R26P1	13	48316863	48320475		
-	3613	processed_pseudogene	protein	phosphatase 1		
regulatory subunit 26 pseudogene 1 [Source:HGNC						
Symbol;Acc:HGNC:42015]	-	11	0	16	0	0
0	0.147206145	0	0.206727407	0	0	

0

ENSG00000269190	1790.975743	1766.273371	1978.038192				
1469.058184	1504.231633	1613.7073	1845.095769				
1528.999039	0.270809219	0.049683939	1	FBX017	19		
38941401	38975910	-	4960	protein_coding			
F-box protein 17 [Source:HGNC Symbol;Acc:HGNC:18754] -							
1862	2030	2126	1333	1241	1748	18.15094399	
17.83499365	20.00910299	14.93346253	15.37933175				
16.38667234							
ENSG00000167680	768.5228888	791.7777179	748.9749505				
943.371197	1066.659014	899.1710014	769.7585191				
969.7337376	-0.332552463	0.049751105	1	SEMA6B	19		
4542593	4559808	-	4412	protein_coding	semaphorin 6B		
[Source:HGNC Symbol;Acc:HGNC:10739] -							
856	880	974	8.756135872	8.988029441			
8.517387626	10.780783	12.26011457	10.26489405				
ENSG00000099204	19.23711862	18.27179349	12.09524765				
41.87862791	31.51492542	65.5453194	16.53471992				
46.31295758	-1.488680128	0.04977008	1	ABLIM1	10		
114431113	114685003	-	10039	protein_coding			
actin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:78]							
-	20	21	13	38	26	71	
0.096325386	0.091156457	0.060450366	0.21033192				
0.159195304	0.328850807						
ENSG00000271367	0	0	8.816553243	0			
14.7707762	0	7.862443149	-5.541313466	0.049820494			
1	AL034374.1	6	53350158	53350705			
+	548	lincRNA novel transcript	-	0			
0	0	8	0	16	0	0	0
0.811187915	0	1.357595664					
ENSG00000119599	766.599177	701.2888358	638.2569143				
932.3505055	844.8424239	898.2478279	702.048309				
891.8135857	-0.345432505	0.0498617	1	DCAF4	14		
72926332	72959703	+	5581	protein_coding			
DDB1 and CUL4 associated factor 4 [Source:HGNC							
Symbol;Acc:HGNC:20229] -							
973	6.904742951	6.293346111	5.737968094	686	846	697	
8.423069501	7.676585932	8.106471046					
ENSG00000148834	3232.797784	4251.237285	3821.167853				
3729.402022	5061.781868	5112.534913	3768.400974				
4634.572935	-0.298442803	0.049904939	0.269486672			GST01	
10	104235356	104267459	+	1691			
protein_coding glutathione S-transferase omega 1 [Source:HGNC							
Symbol;Acc:HGNC:13312] -							
5538	96.10060491	125.9123857	113.3775665	4107	3384	4176	
111.1984645	151.7973684	152.2791212					